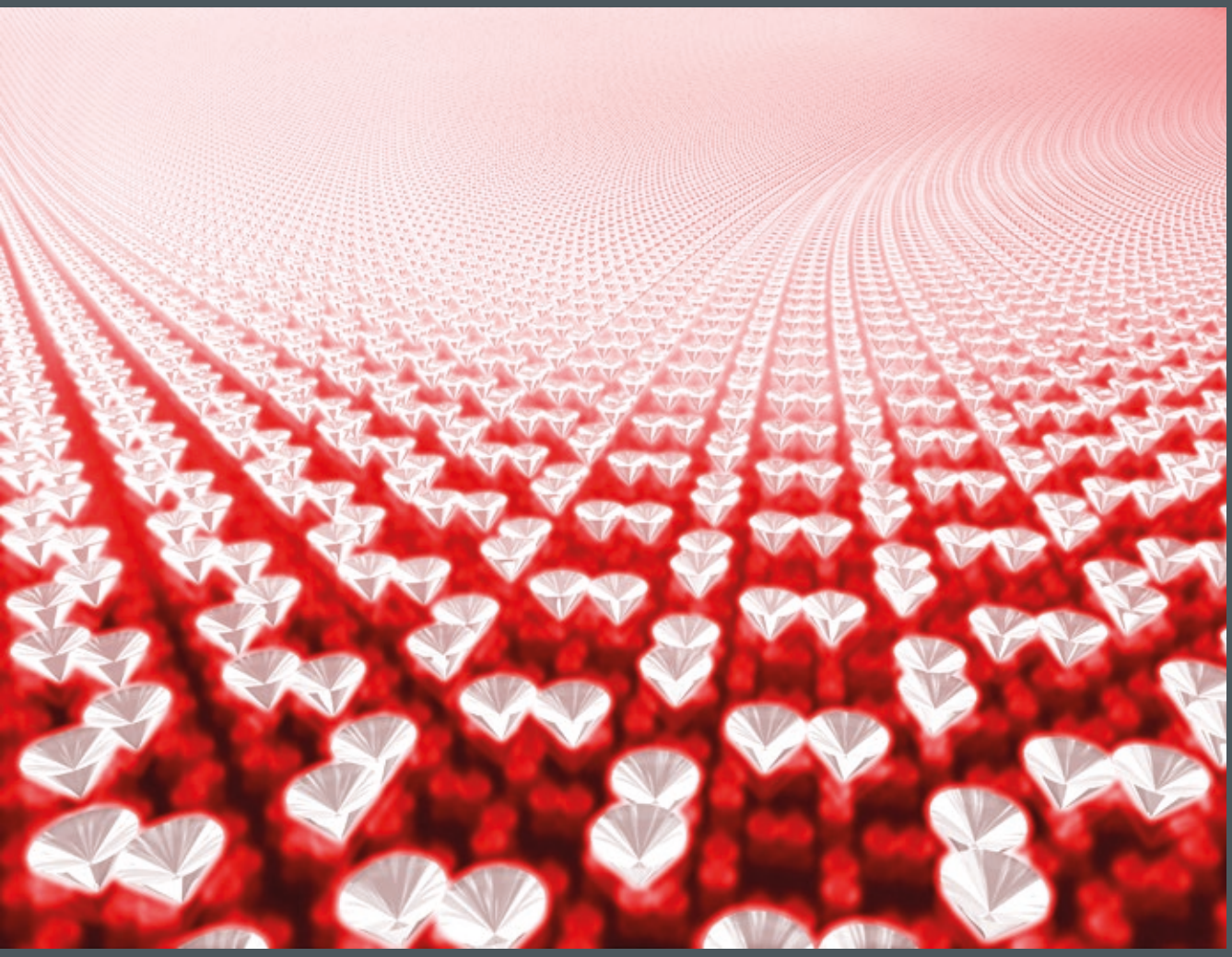
80 YEARS

SMART TECHNOLOGY
EXCELLENT DESIGN

RZB



PRODUCT SELECTION GUIDE

360° COMPETENCE IN LIGHTING

TOP QUALITY OF PRODUCTS AND SUPPORT

For a noticeable added value.

EFFICIENCY

A deliberate and considerate handling of scarce resources is the companies' task and challenge. Whether you are optimising power consumption in existing or new buildings: lighting systems by RZB are smart, digital and efficient. Further potential savings can be achieved with control modules already integrated in luminaires or by using professional light management systems.

- ✓ lower energy cost
- ✓ fewer CO_2 emission
- ✓ reduced maintenance cost

MOTIVATION

Light quality is a decisive contribution to people's well-being and provides for a stimulating and motivating environment. Biodynamic lighting by RZB focuses on the human being and allows you to individually design the ambience or simulate the natural changes in daylight during the day. Standard-compliant lighting reduces glare in the workplace and ensures efficient work.

- ✓ increased satisfaction of employees
- ✓ individual arrangement of colour temperature and light intensity
- ✓ boost of creativity and performance

FLEXIBILITY

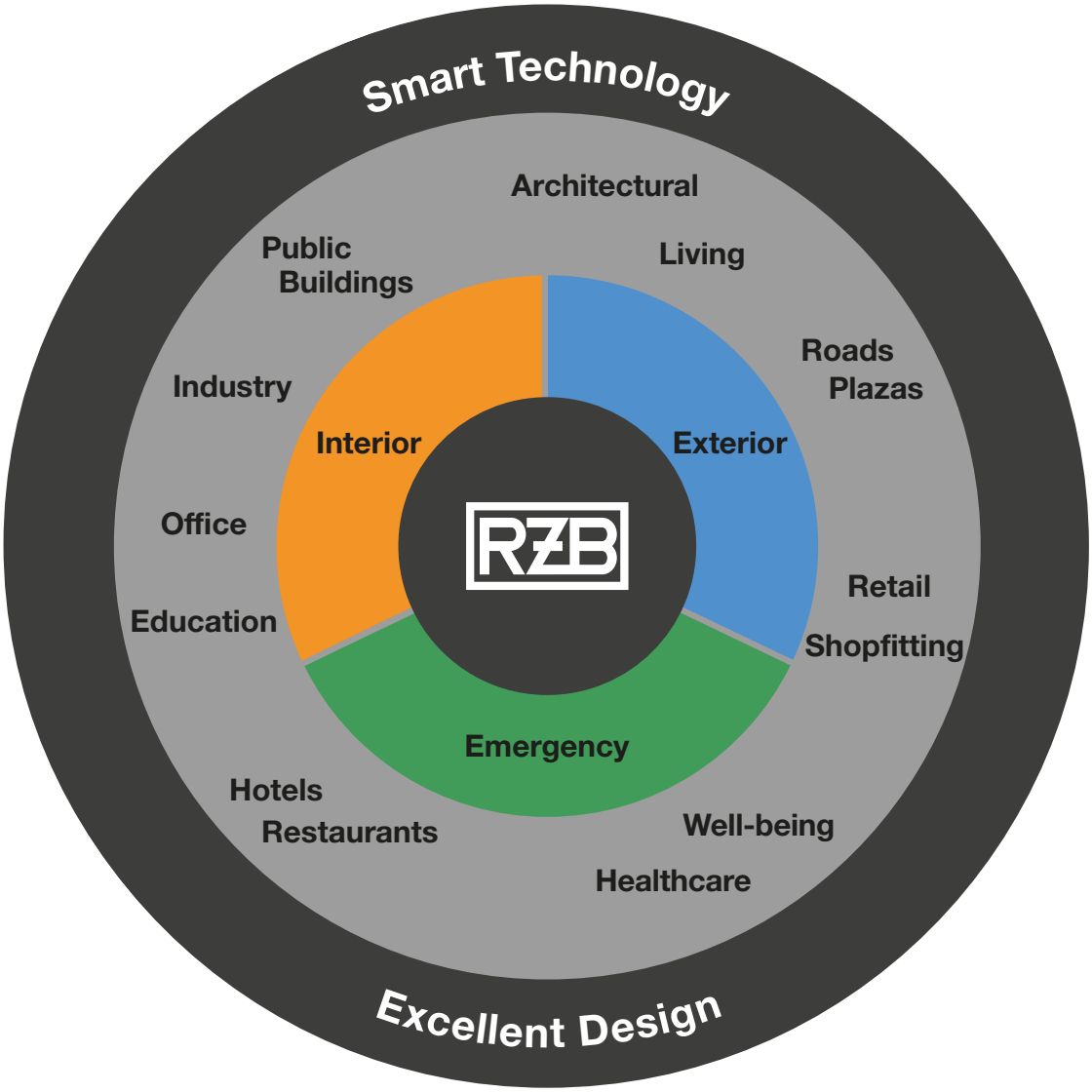
Constantly changing living spaces and working environments require modern lighting systems that can be adapted to changing and individual needs. Thanks to economical lighting design an extensive product range and the use of intelligent light management systems, RZB enable their customers to cope with these changes and thus ensures long-term flexibility.

- ✓ straightforward extension of the lighting systems
- ✓ creative freedom
- ✓ reliability in future

RELIABILITY

We are your reliable partner. We support your project from the initial idea until its implementation and far beyond. Personally, passionately and individually. Thanks to excellent professional competence, top product quality and services such as lighting design, profitability analysis and commissioning, we cope with the high expectations of all parties involved in the planning process.

- ✓ collection of BIM files
- ✓ quick and easy installation
- ✓ quality and long warranty periods



WHAT DOES THIS MEAN?

For us, quality means not making any compromises: our products are developed and manufactured with utmost care, and the quality of our support is considered above average.

We are working accurately, responsibly and in a solution oriented way, and always in accordance with our SMART TECHNOLOGY and EXCELLENT DESIGN guidelines.

Each process step is strictly controlled and continuously optimised along the entire value chain up to the after sales service.

This is the only way for us to be sure we are providing our customers and partners with the highest degree of efficiency, motivation, flexibility and reliability, and thus with a noticeable added value in every respect.

- First class product quality
- Made in Germany
- Qualified support
- Competent lighting design
- Project-specific solutions
- Extensive services
- 5-year warranty
- Financing



The application image shows:
Ralite Highbay II

© Linus Lintner

CONTENTS AND NEWS	2 - 19
INDOOR LIGHTING	20 - 505
LIGHT MANAGEMENT	506 - 527
OUTDOOR LIGHTING	528 - 711
LED CONVERSION KITS	712 - 719
EMERGENCY LIGHTING	720 - 879
RZB HOME	880 - 911
APPENDIX	912 - 952
Service	914 - 918
Terms and conditions of sale and delivery	949 - 950
Reference number index	919 - 945
Alphabetical index	946 - 948
Customer contact	952

Our Product Selection Guide A9 gives an overview of the RZB luminaire portfolio and is an useful tool to help you find the product you are looking for.

As our luminaires are technical devices, they may only be used for their intended purpose and in accordance with our specifications.

Any use of our products in a manner not authorized by us, as well as effecting any change in any of our products, will exempt us from any legal obligations in the event of loss, damage or injury – except insofar as we authorize such nonconformance in writing.

We reserve the right to effect changes in our products at any time without notice. Our standard terms an conditions of sale and delivery can be found in the appendix.

New items are marked with a red frame.

Recessed ceiling and wall luminaires






Douala
22-25

Mondana
26-29

Ceiling luminaires




Glasdownlight
32-33

Cylio
34-35

Wall luminaires







Ring of Fire
38-39

Quadraled
40

Coros Kristall
41

Colonna IP 44
42

Basic
43

Ceiling and wall luminaires - decorative










Scapha
46-47

Douala
48-49

Douala Slim
50-51

Douala Kristall
52-53

Mondana
54-55

Flat Slim
56-63

Flat Polymero Kreis
64-77

Flat Polymero
78-89







Flat Basic
90-93

Flat Kreis
94-95

Flat Quadrat
96-97

Ceiling and wall luminaires - classic










Santos
100-101

Kreis
102-103

DKN
104-105

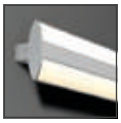
Quadrat
106-107

Rechteck
108-109




Keralux
110-111

Ceiling and wall luminaires - linear








Lavano
114-117

RT 44
118-119

Baleva
120-121

Polymero Long
122

R40
123

Strip-Light
124-125

ISO and Aluminium Striplights
126-127

Oval Bulkhead Luminaires


Areno
130-131


Aluminium bulkheads
130-131




Plastic bulkheads
132-134



Pendant luminaires


Ring of Fire
144-149




Sidelite Ellypsoid
150-151


Scapha
152-153


Douala
154-155


Douala Slim
156-157


Douala Kristall
158-159


Basic Ball
160-165


Cylio
166-169


Tholus
170


Glasdownlight
171


Deecos P
172-175


Toledo Flat
176-177


Flat Polymero Kreis
178-183


Flat Polymero
184-187


Less is more 27
188-189


Lavano
190-191

Recessed modular luminaires


Econe
194-195


Sidelite ECO
196-201




Parledo
202-203


Toledo Flat
204-205


Sonis EVO
206-209



Surface mounted modular luminaires


Triona
212-217




Econe
218-219


Sidelite
220-223




Sidelite Round
224-225




Sidelite ECO
226-229






Hemis
230-233

Sonis EVO
234-235

Sonis A
236-237

Suspended modular luminaires

TWINDOT
240-247

Triona
248-253

Econe
254-255

Sidelite
256-257

Sidelite Round
258-259

Sidelite ECO
260-263

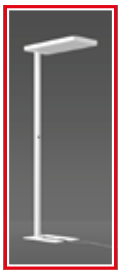
Sonis EVO
264-265

New items are marked with a red frame.

Free-standing luminaires


Less is more 27
268-271


Sidelite
272-275


Sidelite ECO
276-277

LED linear systems

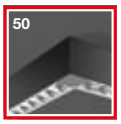

Alea Spot
280-281


Less is more 21
282-285


Less is more 27
286-293


Less is more 50
294-299





Less is more Systems
302-303
304-305


Linear System
306-307

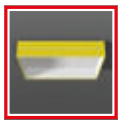

High Power
308-309


LED it Strip
310-311


Less is more Flex
312-317

Fabric lampshade luminaires


Toledo Flat
322-325




Flatliner Slim
326-331




Flatliner
332-334




Toledo Flatliner
336-341



Recessed downlights


PAR16
345


Levido
346-349




Arelo
350-351


Energo Darklight
352-353


Heledon
354-357


Pascala
358-363




Ledona
364-369




Ledona ECO
370-371




Toledo Flat
372-377




Toledo
378-379


Quardo LED
380-381

Surface mounted downlights


Heledon
384-387


Andho
388-389


Toledo Flat
390-393

Recessed projectors


PAR16
397


Vortex
398-399


Levido Swing
400-403




Deecos R
406-409


Magcardo
410-413


Rondos
414-417


Golas
418-421

Surface mounted projectors

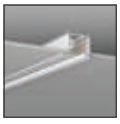

Deecos S
424-433


Calido Clickbeam
434-435

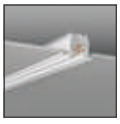

Tarek S
436-437


Triade
438-439

Tracks




3-Phasen-Stromschienen
442-449




3-Phasen-DALI-Stromschienen
450-455

Continuous line luminaire systems







Planos
458-471

Luminaires for moist/humid environments


Planox PRO
474-477


Planox ECO
478-483


Planox Tube
484-487


Planox
488-491

Highbay luminaires




Ralite Highbay II
494-497






Industrial Hall
498-505

Light management



smart+free
508-511



light control +³
516-517



518-520



522-523


Controllers
524-526

LED conversion kits


Indoor luminaires
714-717

New items are marked with a red frame.

Recessed luminaires


Mondana
530-533


Brick Steps
534-537

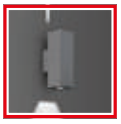

Brick EVO
538-539

Wall luminaires


Nadelspot
545


Cyl
545


Zono
546


Techno
546


Brick EVO
548-549


Rounded Midi
550-551


Alu-Design
552-553


Alu-Superior
554-555


Alu-Lux oval
556-557


Wall Head
558


Rechteck
559


Zylinder Opal
560-561


Kugel Opal
562


Slopia
563

House number luminaires


Rounded Midi
566-567

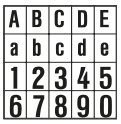

The Ultra-flat House Number Luminaire
568-569


Quadrat
570-572


Opalglasleuchte
573


575-576


Kreis
574



Adhesive lettering
577

Ceiling and wall luminaires


Flat Slim
580-585


Mondana
586-587


Flat Polymero
588-589


Rounded Midi
590-595


Rounded Maxi
596-597


Cadero
598-599


Alu-Design
600-601


Alu-Superior
602-603


Alu-Lux oval
604-605


Areno
606-607


Alu-Ovalleuchten
606-607

Bollards


Slopia
612-613


Bocaro
614-617


Mega Tower
620-621


Mega Lamelle
622-623


Mega Cone
624-625

Mega Laterne
626-627

Mega Tube
628-631

Mega Square
632-633

Mega Kugel
634-635

Mega Gürtellinse
636-637

Mega Glaspoller
638-639

In-ground luminaires










Terra Edelstahl 130
642-643

Terra Edelstahl 190
644-647

Terra Edelstahl 245
648-651

Floodlights and spotlights








Alu-Star
654-659

Lightstream LED
660-677

PAR16
680-682

Standard-Spot
683

Steel poles
678-679

Outdoor pole luminaires









Mingata
686-691

Alu-Star
692-695

Gonia
696-697

Laruta
698-699

Lupalo
700-701

Slopia Sky
704-709

Steel poles
710-711

LED conversion kits



Outdoor luminaires
718-719

New items are marked with a red frame.

Central power supply (CPS)


722


723

Low power supply (LPS)


722


723

Self-contained monitoring systems


724-725


726-731

Self-contained technology


732-733


734

Escape route identification


Tenuo
740-747


Halyxx
748-451


GSUN | Universal
752-753


756-757


758-759


774-775


776-779


780-783


Centryxx D
760-761


Centryxx D RZ
762-763


Multivariabel
764-767


Minisign
768-769


Varioplast I
770-771


Varioplast II
772-773


Rechteck
784-789


Signcube
790-793


Centryxx RZ
794-797


Turia
798-799

Escape route illumination


Powerbox Flood
804-805


Varioplast I
806-807


Centryxx
808-813


Centryxx W
814-817


Lucio
818-819


Turia
820-823


Edo
824-825


Toledo Flat
826-833




Toledo Flat
834-839




Sidelite ECO
840-847


Sonis EVO
848-849


Planos
850-853

Planox PRO
854-855

Planox
856-861

Flat Polymero
862-865

Flat Polymero Kreis
866-867

Cadero
868-869

Alu-Design
870-871

Rounded
872-875

Lightstream LED
876-877

Portable safety spotlight
878-879

RZB HOME Indoor lighting


Home 501
885


Home 502
886


Home 503
886


Home 504
887


Home 505
888


Home 506
888

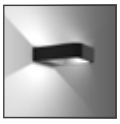

HB 601
890-891

RZB HOME Outdoor lighting


Home 101
895


Home 102
896


Home 103
896


Home 104
896

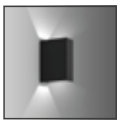

Home 105
897


Home 106
897


Home 107
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Home 108
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Home 112
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Home 113
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Home 114
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Home 110
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Home 111
900


Home 109
901


Home 207
901


Home 201
902


Home 202
903


Home 203
903


Home 204
903


Home 205
904


Home 206
904

RZB HOME Solar luminaires


Home 401-403
906-907

RZB HOME Garden luminaires


Home 301-304
909


Home 309 - 311
909

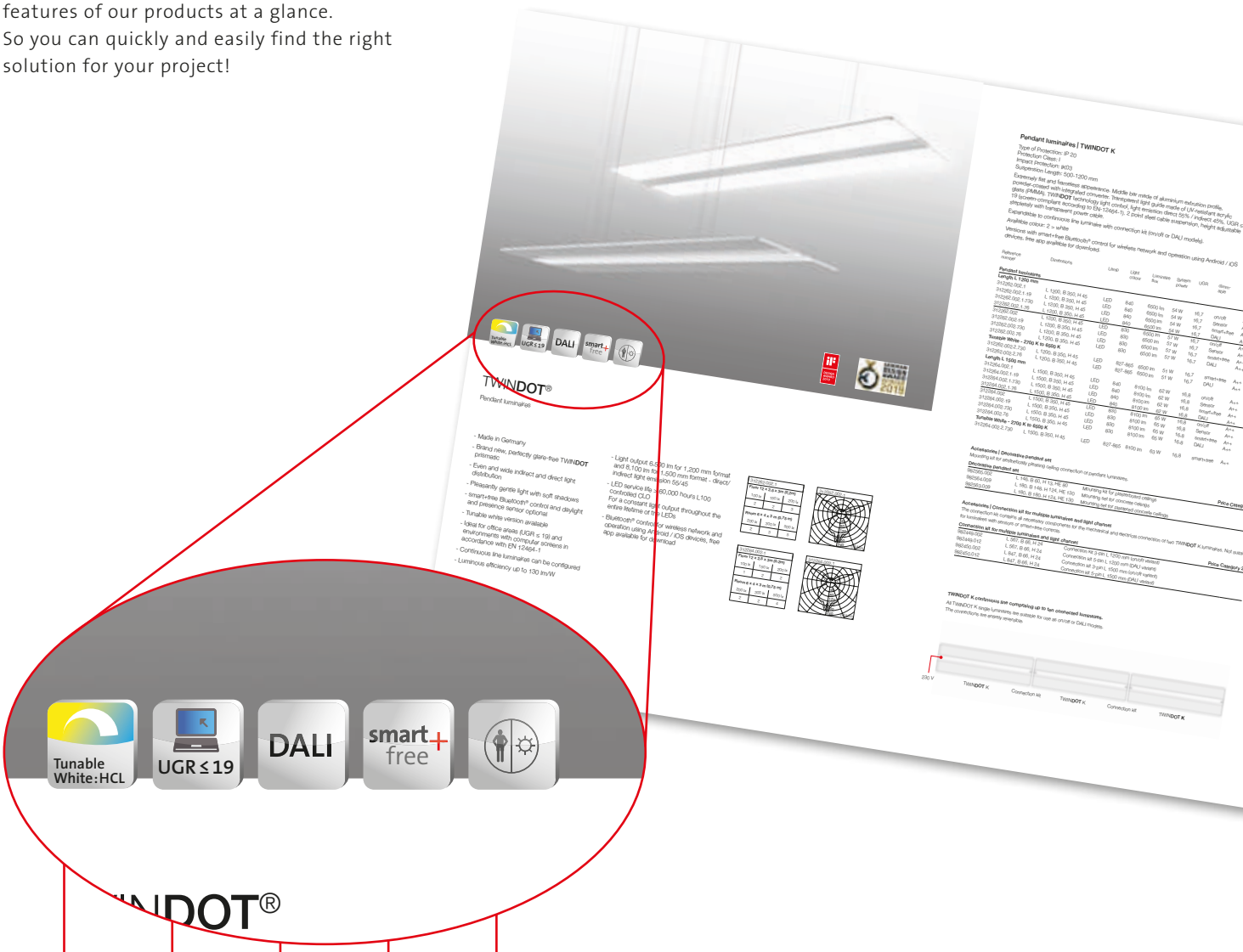

Home 305
910


Home 306-308
910


Home 350
911

THE FAST WAY TO YOUR LIGHTING SOLUTION

Our new icons help you identify the key features of our products at a glance.
So you can quickly and easily find the right solution for your project!



Luminaires with movement and daylight sensor

Light management system for wireless control of lighting by Bluetooth®

DALI is the classic light bus and ideal for the simple and central light management

Excellent for office areas (UGR ≤ 19) and computer workstations in accordance with DIN EN 12464-1

The colour temperature can be adjusted infinitely from 2700 K up to 6500 K

Ideal for Human Centric Lighting (HCL)

ICONS

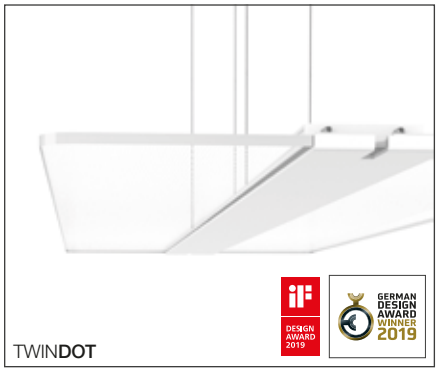
	The colour temperature can be adjusted infinitely from 2700K to 6500K. Ideal for Human Centric Lighting (HCL)		Luminaires with presence and daylight sensor
	During dimming, the colour temperature changes dynamically from about 3000 K to about 1800 K and thus provides a comfortable, cosy lighting atmosphere.		Individual, handcrafted production of the diffuser, which is made of mouth-blown three-layer glass. This means that the first layer consists of clear glass, the second of opal glass and the third again of clear glass.
	Additive colour mixing, based on three basic colours – red, green and blue as well as white – allows various light colours and colour temperatures to be set.		Luminaires made of impact resistant polycarbonate
	Additive colour mixing, based on three basic colours – red, green and blue – allows various light colours to be set. Particularly suitable for decorative lighting with dynamic colours.		Luminaires marked with the “ball impact protection” symbol are suitable for use in sports facilities. They are manufactured in accordance with the test conditions defined in DIN 18032.
	Simple control of brightness via leading edge or trailing edge dimmers		Luminaires with limited surface temperature in accordance with EN 60598-2-24
	DALI is the classic light bus and is ideal for the simple and central light management		**HACCP** | Luminaires with this symbol are suitable for use in the food and beverage industry. For precise instructions on the use of our products in this context, please see the declaration of conformity, which you can find in the download area for the corresponding product under rzb-lighting.com.
	Light management system for wireless control of lighting by Bluetooth®		Fast and easy installation
	Top modern drivers regulate the LEDs in the luminaires throughout their entire lifetime and therefore avoid the usual reduction in luminous flux. This process known as CLO (Constant Lumen Output) allows the optimised control of efficiency right from the start.		This symbol indicates that individual luminaires of a series are available as emergency luminaires and have been tested respectively
	Ideal for office areas (UGR ≤ 19) and computer workstations in accordance with EN 12464-1		Luminaire can be equipped with CityTouch components
	The beam angle can be changed by clicking on the lens		The StepDIM mode (bi-power mode) makes it possible to switch between two performance levels – „normal“ operation and „half night” operation – via an additional switched phase. The light levels can be flexibly pre-programmed.
	The Corridor function allows the luminaires to be configured to have a residual brightness of 10%. If no further movement is detected. This is recommended for applications without any ambient light, especially in corridors or stairwells without any daylight.		AstroDIM offers a multi-stage night-time reduction regulated by an internal timer that responds to the switch-on and switch-off times. No external control is required.
	TouchDim Sensor offers simple, cost-effective and efficient light control without any additional control device. TouchDim means the device can be operated via standard buttons, whilst control is taken over by the DALI board. Light and/or presence sensors can be integrated.		Luminous flux is reduced proportionally to the reduction of the mains voltage. The mains voltage is lowered via a control element in the distribution board. Mainly used with magnetic ballasts.
	TouchDim offers simple, cost-effective and efficient light control without any additional control device. TouchDim means the device can be operated via standard buttons, whilst control is taken over by the DALI converter.		Our emergency luminaires are all equipped with LEDs
	Luminaires with movement sensor		Self-contained emergency luminaires
	Luminaires with daylight sensor		Luminaires for central power supply













SUCCESSFUL YEAR 2018/2019

Record number of visitors for RZB at Light+Building 2018 in Frankfurt

The number of people visiting the RZB Group's four exhibition stands rose again by a phenomenal 13% compared to 2016. This meant that the Bamberg based luminaire manufacturer exceeded the overall growth rate for the light+building exhibition in Frankfurt Main, ended March 23.

During the six-day event, which by far is the world's largest exhibition for lighting, approximately 220,000 trade visitors (216,000 in 2016) from 177 countries gathered information on innovations from a total of 2,714 exhibitors at 55 countries.

Major German Brands 2019

Ever since the very first edition, and for the sixth time now, we have been a selected foundation member and have featured feature in the book "Die großen deutschen Marken" ("Major German Brands").
This year's title is: "Major German Brands 2019. 100 years of Bauhaus."



Winners – five RZB products honoured for their high quality of design:

The versatile moisture-proof luminaire PLANOX PRO received the attractive "Red Dot" Award 2018.

For 2019, already several of our new developments have been granted with prestigious awards for their design:

The outdoor luminaire series WALLSCAPING, the large-area luminaire TRIONA, the office luminaire TWINDOT and the smart pole luminaire MINGATA won several design awards each.

All these award winners have one thing in common: they do not stand out only by their design but also by excellent lighting technology, sophisticated details and smart functionality.



DIGITAL AND PRINTED MEDIA

Website

Contents of all communication options are integrated in our website in a way which is adequate for mass media. In addition to the complete online catalogue our webiste contains a lot of planning tools for immediate use as well as information f.ex. on realised projects and many files suitable for download.

Please visit our website at
www.rzb-lighting.com

RZB Newsletter

You can obtain updated information on our products by e-mail.

You can register here:

https://www.rzb.de/en/newsletter/newsletter-sign-up/

Social Media

You can also visit us in:

Facebook, Twitter, Linkedin, Youtube and Xing

Product Selection Guide | Catalogue

This annual compendium provides an overview on the current RZB product range.

Brochures

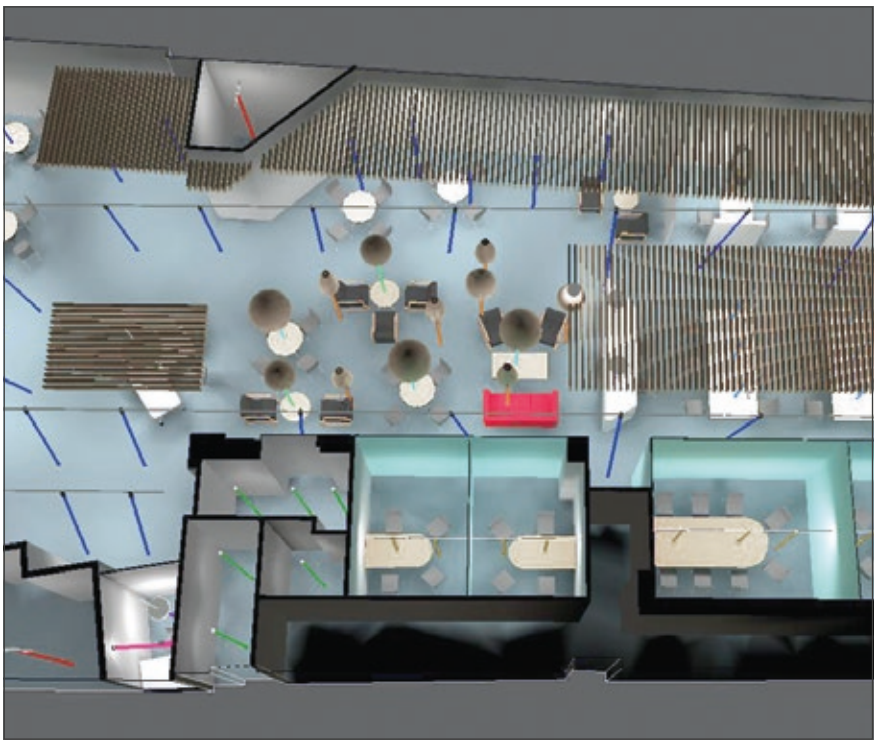
New product series are presented in separate, detailed brochures.

360°-competence brochures

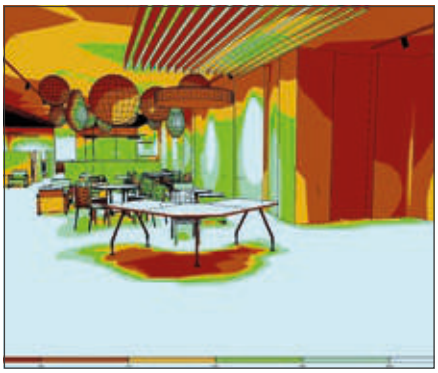
On various topics

Global Impressions

The book “Global Impressions” shows projects realised around the world, arranged according to the construction task.

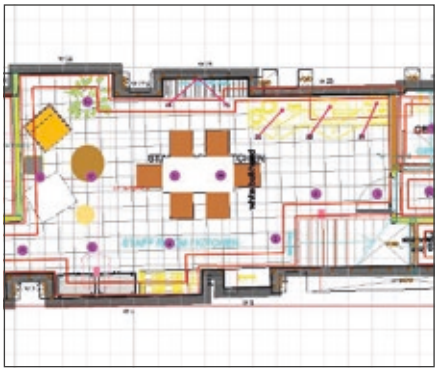






DIALux

RELUX®
light simulation tools



LIGHTING DESIGN

You decide what you would like to work with.

Technological leaps, resource management, compliance with standards, energy efficiency: your projects are becoming more and more complex, and planning them is becoming more and more challenging.
The right lighting design software can assist significantly - the two planning tools RELUX and DIALux are doubtless among the most reliable in this segment. You probably already use one of these two programs.

To make sure that you do not have to do without your preferred or familiar software when working with RZB products, we can offer you not only ldt files for the already well-established project planning program RELUX, as of now we can also offer you ldt files for DIALux.
And what about distances? Here too, the tools by RELUX and DIALux will support you: In a few steps only you can determine the distances of bollards and pole luminaires which are required to achieve the ideal lux level on path areas.
Of course, these tools are also available for emergency lighting design.
You can find ldt files and further information on our website www.rzb-lighting.com in the download area of each product.

CAD

CAD (*.DWG) files are 3D data of our luminaires, which can be processed by almost all CAD programs.

GAEB

GAEB files are suitable for standardised data exchange for specifications.
They are available in text (*.D81) or XML format (*.X81).



PLANNING

BIM - the benefits for you!

BIM stands for Building Information Modelling and is an integral method for innovative building planning using software. With BIM, building data can be digitally recorded,, processed and networked. This means that buildings can be designed, modelled, optimised and simulated with BIM, when it comes to planning, implementation, operation including potential dismantling. This all takes place in just one 3D model, on which all those involved work together.

Unlike traditional technical drawings, BIM provides the potential to develop a model right from the very start, which is then further refined during the planning stage. At the end, an image of the actual building is produced.

The BIM method is, however, much more than a simple 3D model: a wide variety of information can be linked to each building component and each element, such as maintenance cycles or information on the recycling of each element. This means that integral digital planning with BIM can be used to make precise predictions for the construction and life cycle costs of a building right from the planning stage.

Revit (*.RFA) files for our luminaires can be imported into REVIT (AUTODESK) CAD software for further processing. They include 3D data of the luminaire and additional information such as system power, luminaire flux, specification text, lamp and prospective data.

- All RZB luminaires are BIM objects! (Currently for Revit, planned for Allplan and ArchiCAD)
- Transparent data right from the start
- Improved exchange of information between those involved in the planning process
- Automatic adjustment according to modifications (e.g. bills of materials or costs)
- Automatic collision testing (e.g. for marked-out routes and channels)









HCL (HUMAN CENTRIC LIGHTING)

Feel better, be more efficient

During evolution humans have developed a complex system of internal timers, the so-called circadian system by the perception of light and dark, cold and warm, as well as by the change of seasons, with daylight being the natural timer for this rhythm.
Only a few years ago scientists discovered in the eye's retina those cells which are not required for seeing, but are setting our internal timer by suppressing or distributing the hormone melatonin. Now chronobiologists, lighting designers and architects have the chance to decisively improve our living conditions by using dynamic light.

Biologically effective light in "tunable white" versions aims to support the hormone control process by simulating the light colour and intensity of the natural course of daylight.
Changing light scenes in the dynamic rhythm of daylight can have an extremely positive influence on wellbeing.

HCL-compatible products are marked with the following icons:

Tunable White:HCL

smart+ free

DALI

Health
HCL strengthening the biological rhythm of human beings and fostering well-being and good health.

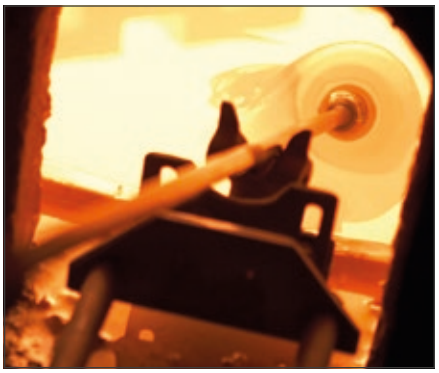
Vitality
HCL creating a stimulating light to increase vitality and quality of life.

Activity
HCL increasing in educational institutions and workplaces the performance and ability of focusing.

Well-beeing
HCL avoiding sleep disorder, stabilising patients in hospitals and nursing homes.









PASSION FOR UNIQUE MASTERPIECES IN GLASS

Making of ...

Most of the glass diffusers in our luminaires are produced by renowned glass manufacturers. A diffuser is made of mouth-blown three-layer glass (triplex glass). This means that the first layer consists of clear glass, the second of opal glass and the third again of clear glass.
The middle, sensitive opal glass layer is enclosed by the outer two clear glass layers and thus protected against breakage.
The glass blower uses his glass pipe to take the approximately 1200-degree hot glass from the respective melts, which must be kept in continuous operation 365 days a year, 24 hours a day, to prevent the glass from solidifying.

The heavy glass, known as the parison, is turned into a balloon by the glass blower by blowing and turning the pipe. This balloon is then blown into the mould specially made for the diffuser. Due to the glasses' different expansion coefficients, the blank, which has a temperature of around 330 degrees, now needs about 24 hours for tempering: with faster cooling, the glass would shatter. After tempering, the blank still contains what are known as caps, which are cut off with a fine diamond saw. The diffuser then gets its final finish in an acid solution.

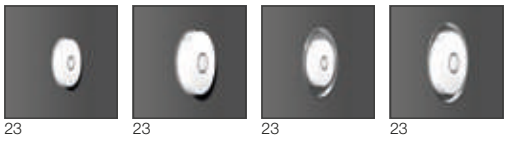
The acid solution turns the the finish of the outer glass layer from clear into milky white and frosted, further emphasising the magnificence of the luminaire's look and touch. Finally, each diffuser is tested for dimensional accuracy, quality, load-bearing capacity and stability.
A special characteristic of these mouth-blown diffusers is the occasional small, tolerated air bubbles in the glass, which are a sign of the glass's individual hand-crafted production.
This is what makes each glass diffuser truly unique.





The application image shows:
Mondana-E

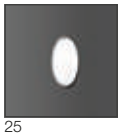
© Eibe Sönnecken

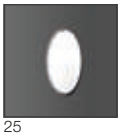

23

23

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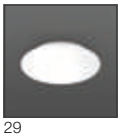

25


25


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27


29

Douala
22-23

Douala Slim
24-25

Mondana-E
26-27

Mondana-HE
28-29

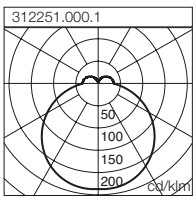


DOUALA®

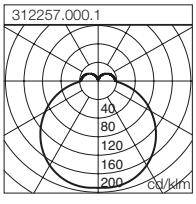
Recessed ceiling and wall luminaires

- A multi-faceted range for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- The stainless steel base and the glass create an impression of unity
- The cover made of mouth-blown, satin-finished three-layer opal glass is available in two different sizes
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312251.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	8	11
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	11	18



312257.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	12

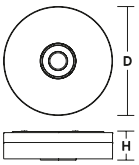





Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling and wall luminaires | Douala





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass, satin finish.
Patented spring fastening system.

Available colour: 0 = stainless steel, brushed

For recessed ceiling and recessed wall applications the recess housing must be ordered separately.

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.



Applies to versions with .76



Applies to versions with .19

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)
1 x 40 W T16-R (43 W EB)

LED 27 W ≈
4 x 18 W TC-D (104 W CB)
1 x 55 W T16-R (60 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Glass D 300 mm								
312251.000 *	D 300, H 95	LED (1)	830	1750 lm	21 W		on/off	A+
312251.000.76 **	D 300, H 95	LED (1)	830	1750 lm	21 W		DALI	A+
312251.000.1 *	D 300, H 95	LED (1)	840	1850 lm	21 W		on/off	A+
312251.000.1.76 **	D 300, H 95	LED (1)	840	1850 lm	21 W		DALI	A+
Glass D 400 mm								
312257.000 *	D 400, H 102	LED (1)	830	2300 lm	27 W		on/off	A+
312257.000.76 **	D 400, H 102	LED (1)	830	2300 lm	27 W		DALI	A+
312257.000.1 *	D 400, H 102	LED (1)	840	2400 lm	27 W		on/off	A+
312257.000.1.76 **	D 400, H 102	LED (1)	840	2400 lm	27 W		DALI	A+
Ceiling and wall luminaires with integrated movement sensor								**Price Category 21**
Glass D 300 mm								
312251.000.19	D 300, H 95	LED (1)	830	1850 lm	21 W	Master	on/off	A+
312251.000.191	D 300, H 95	LED (1)	830	1750 lm	21 W	Slave	on/off	A+
312251.000.1.19	D 300, H 95	LED (1)	840	1750 lm	21 W	Master	on/off	A+
312251.000.1.191	D 300, H 95	LED (1)	840	1850 lm	21 W	Slave	on/off	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Accessories | Installation housing for Douala range
Lacquered aluminium housing for installation in cavity walls of 15-35 mm wall thickness.

Accessories			Price Category 21
Recess housing for cavity walls			
981893.000	D 454, H 120, HE 120	for luminaires D 300, Cut out DA 440 mm	
981762.000	D 524, H 150, HE 150	for luminaires D 400, Cut out DA 510 mm	
Semi-recess housing for cavity walls			
981892.000	D 326, H 90, HE 90	for luminaires D 300, Cut out DA 312 mm	
981763.000	D 426, H 90, HE 90	for luminaires D 400, Cut out DA 410 mm	

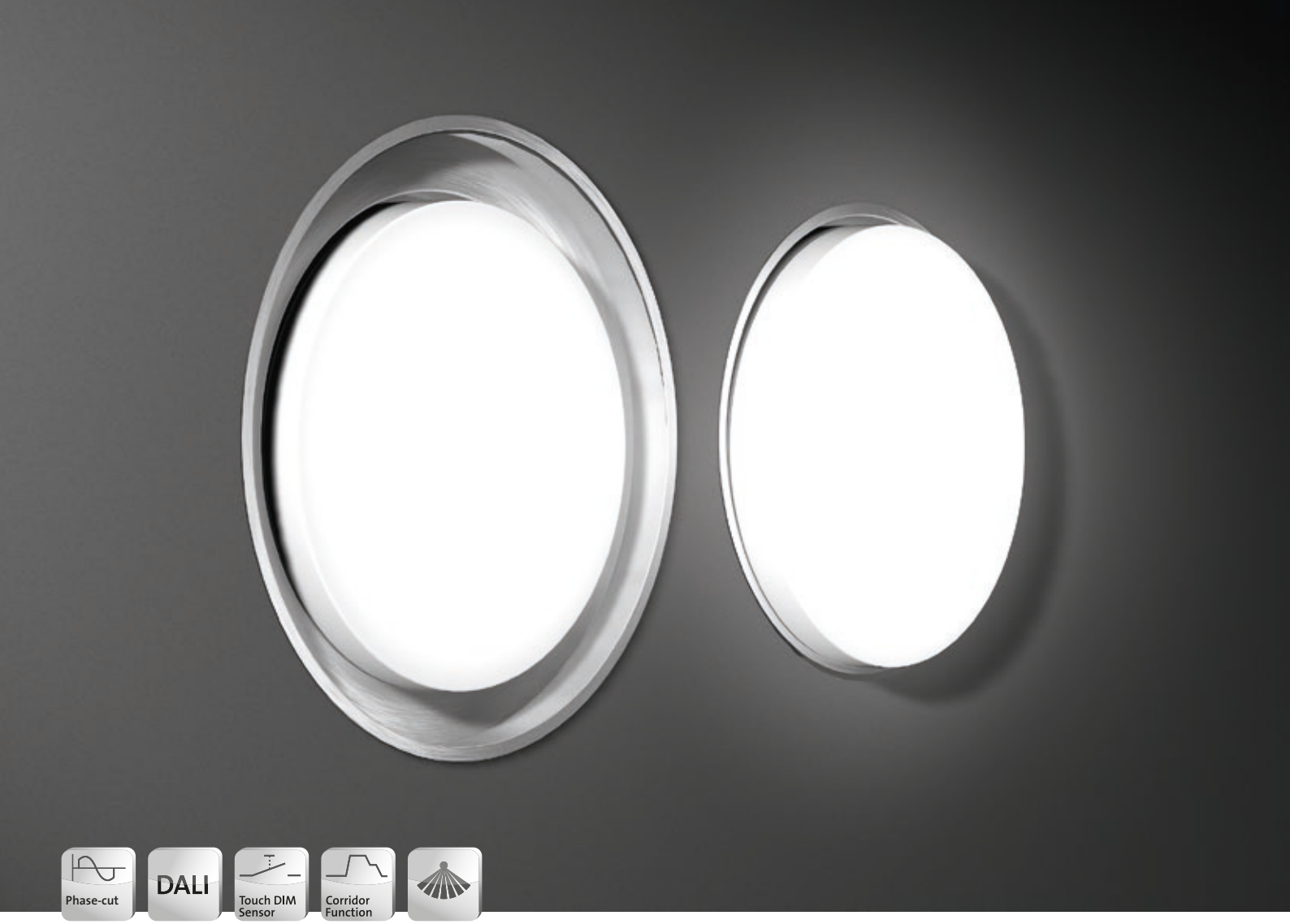
Replacement glasses		Price Category 13
05-1934.012	D 300, H 76	
05-2018.032	D 400, H 87	


Recessed housing installation D 300


Recessed housing installation D 400


Semi-recessed housing installation D 300


Semi-recessed housing installation D 400

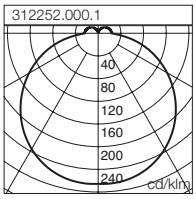


DOUALA® SLIM

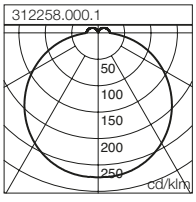
Recessed ceiling and wall luminaires

- A multi-faceted range for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- The stainless steel base and the glass create an impression of unity
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312252.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	8	11
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	12	19



312258.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	14

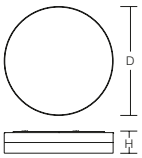





Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling and wall luminaires | Douala Slim





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass, satin finish.
Patented spring fastening system.

Available colour: 0 = stainless steel, brushed

For recessed ceiling and recessed wall applications the recess housing must be ordered separately.

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.



Applies to versions with .76



Applies to versions with .19

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)
1 x 40 W T16-R (43 W EB)

LED 27 W ≈
4 x 18 W TC-D (104 W CB)
1 x 55 W T16-R (60 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Glass D 300 mm								
312252.000 *	D 300, H 75	LED (1)	830	1500 lm	21 W		on/off	A+
312252.000.76 **	D 300, H 75	LED (1)	830	1500 lm	21 W		DALI	A+
312252.000.1 *	D 300, H 75	LED (1)	840	1600 lm	21 W		on/off	A+
312252.000.1.76 **	D 300, H 75	LED (1)	840	1600 lm	21 W		DALI	A+
Glass D 400 mm								
312258.000 *	D 400, H 75	LED (1)	830	2000 lm	27 W		on/off	A+
312258.000.76 **	D 400, H 75	LED (1)	830	2000 lm	27 W		DALI	A+
312258.000.1 *	D 400, H 75	LED (1)	840	2100 lm	27 W		on/off	A+
312258.000.1.76 **	D 400, H 75	LED (1)	840	2100 lm	27 W		DALI	A+
Ceiling and wall luminaires with integrated movement sensor								**Price Category 21**
Glass D 300 mm								
312252.000.19	D 300, H 75	LED (1)	830	1500 lm	21 W	Master	on/off	A+
312252.000.191	D 300, H 75	LED (1)	830	1500 lm	21 W	Slave	on/off	A+
312252.000.1.19	D 300, H 75	LED (1)	840	1600 lm	21 W	Master	on/off	A+
312252.000.1.191	D 300, H 75	LED (1)	840	1600 lm	21 W	Slave	on/off	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

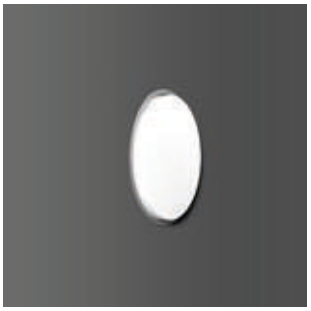
Accessories | Installation housing for Douala range
Lacquered aluminium housing for installation in cavity walls of 15-35 mm wall thickness.

Accessories			Price Category 21
Recess housing for cavity walls			
981893.000	D 454, H 120, HE 120	for luminaires D 300, Cut out DA 440 mm	
981762.000	D 524, H 150, HE 150	for luminaires D 400, Cut out DA 510 mm	
Semi-recess housing for cavity walls			
981892.000	D 326, H 90, HE 90	for luminaires D 300, Cut out DA 312 mm	
981763.000	D 426, H 90, HE 90	for luminaires D 400, Cut out DA 410 mm	

Replacement glasses		Price Category 13
05-1965.002	D 300, H 62	
05-1966.002	D 400, H 62	


Recessed housing installation D 300


Recessed housing installation D 400


Semi-recessed housing installation D 300


Semi-recessed housing installation D 400



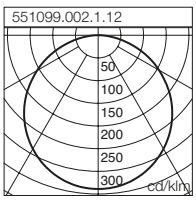
MONDANA®-E

Recessed ceiling and wall luminaires

- Comprehensive range consisting of:
  - Ceiling and wall luminaires
  - Semi-recessed ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- For indoor and outdoor lighting
- The IP 65 type of protection provides excellent protection against rain and humidity and the luminaire is kept free from dirt and insects
- Integral membrane valve allows for ventilation and avoids condensation
- With mouth-blown, 3-layer opal glass satin finish or opal plastic (PE) diffuser
- For barrier-free architecture - flush with wall and ceiling

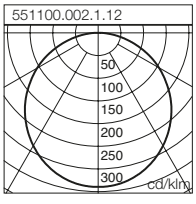
551099.002.1.12

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	9	12
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
9	13	21



551100.002.1.12

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	13

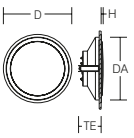




Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling and wall luminaires | Mondana-E





Type of Protection: **IP 65**
Protection Class: I
Ceiling Thickness: 10-30 mm
Impact Protection: IK03 (Glass), IK10 (Polyethylene)

Base: plastic (polycarbonate). Diffuser: mouth-blown opal glass, satin finish, or plastic (polyethylene), opal, satin finish. Diffuser fastening: screwneck. Housing for recessed installation in walls and ceilings: aluminium, powder-coated.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Recessed ceiling and wall luminaires							**Price Category 11**
Glass							
Diffuser D 280 mm, Housing D 352 mm, Ceiling cut-out DA 325 mm, TE 120 mm							
551086.002.1.12	D 352, H 2	LED [1]	830	510 lm	9 W	on/off	A+
551086.002.12	D 352, H 2	LED [1]	840	510 lm	9 W	on/off	A+
Plastic (polyethylene)							
Diffuser D 280 mm, Housing D 352 mm, Ceiling cut-out DA 325 mm, TE 120 mm							
551087.002.1.12	D 352, H 2	LED [1]	830	620 lm	9 W	on/off	A+
551087.002.12	D 352, H 2	LED [1]	840	650 lm	9 W	on/off	A+
Diffuser D 440 mm, Housing D 530 mm, Ceiling cut-out DA 505 mm, TE 120 mm							
551099.002.1.12 *	D 530, H 2	LED [1]	830	1150 lm	13 W	on/off	A+
551099.002.1.76 **	D 530, H 2	LED [1]	830	1150 lm	13 W	DALI	A+
551099.002.12 *	D 530, H 2	LED [1]	840	1150 lm	13 W	on/off	A+
551099.002.76 **	D 530, H 2	LED [1]	840	1150 lm	13 W	DALI	A+
Diffuser D 550 mm, Housing D 650 mm, Ceiling cut-out DA 625 mm, TE 140 mm							
551100.002.1.12 *	D 650, H 2	LED [1]	830	1850 lm	21 W	on/off	A+
551100.002.1.76 **	D 650, H 2	LED [1]	830	1850 lm	21 W	DALI	A+
551100.002.12 *	D 650, H 2	LED [1]	840	1850 lm	21 W	on/off	A+
551100.002.76 **	D 650, H 2	LED [1]	840	1850 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)
1 x 75 W GLS (75 W)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)
2 x 75 W GLS (150 W)

LED 21 W ≈
1 x 42 W TC-TEL (47 W EB)
2 x 100 W GLS (200 W)

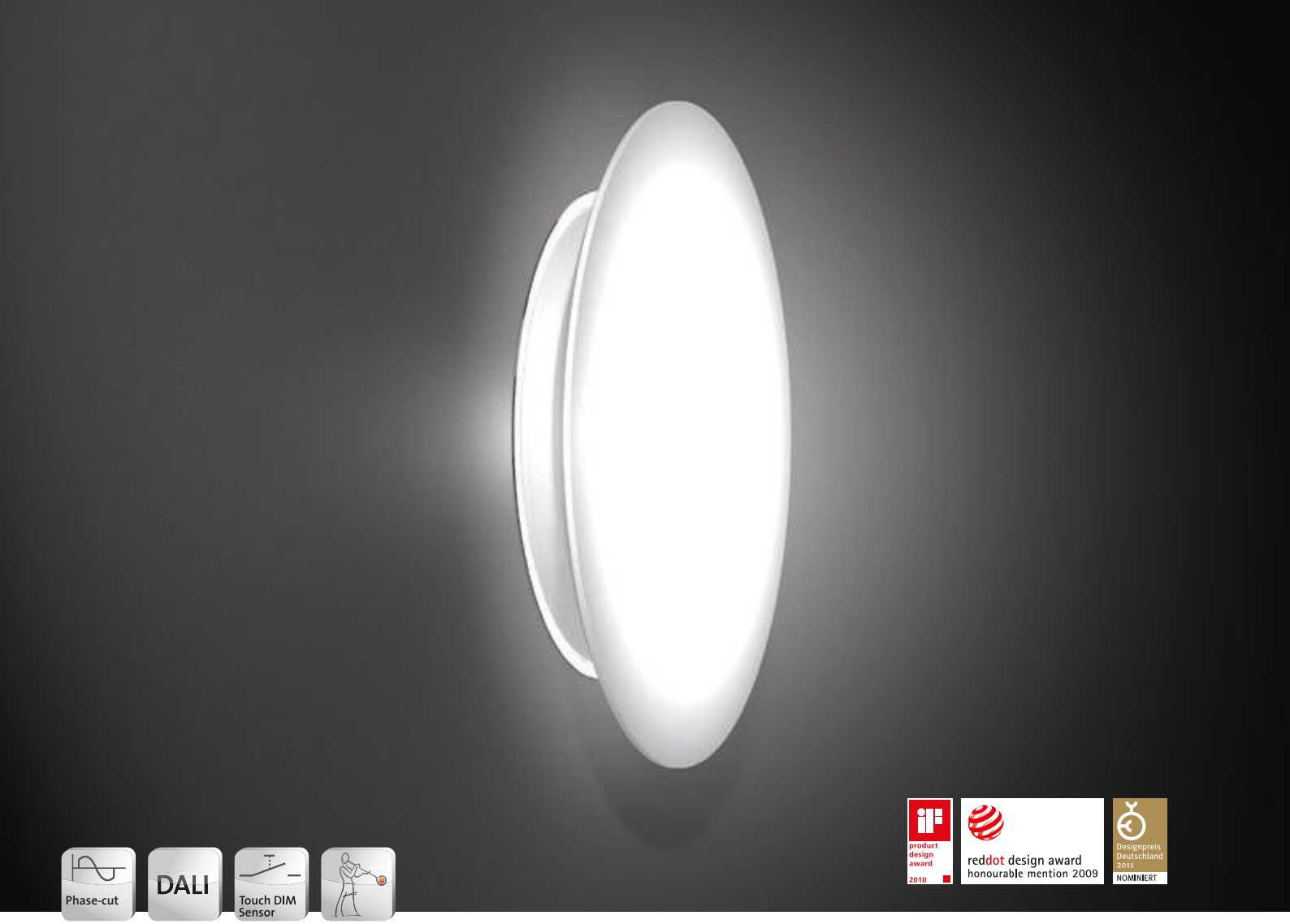
Accessories | Concrete box
Supports for installation in concrete walls, ceilings and façades are available for all recessed and semi-recessed luminaires of the MONDANA series.



Concrete box			Price Category 11
981632.002	D 330, H 125	for Mondana-E 350	
981633.002	D 510, H 125	for Mondana-E 530	
981634.002	D 630, H 150	for Mondana-E 650	

Replacement diffusers			Price Category 13
08-2036.002	D 282, H 88	Plastic (polyethylene)	
08-2037.002	D 442, H 83	Plastic (polyethylene)	
08-2038.002	D 550, H 114	Plastic (polyethylene)	

Replacement glasses		Price Category 13
05-2008.002	D 280, H 88	

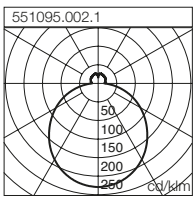


MONDANA®-HE

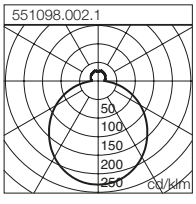
Semi-recessed ceiling and wall luminaires

- Comprehensive range consisting of:
  - Ceiling and wall luminaires
  - Semi-recessed ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- For indoor and outdoor lighting
- The IP 65 type of protection provides excellent protection against rain and humidity and the luminaire is kept free from dirt and insects
- Integral membrane valve allows for ventilation and avoids condensation
- With mouth-blown, 3-layer opal glass satin finish or opal plastic (PE) diffuser

551095.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	10	14
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
10	15	24



551098.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	9	14

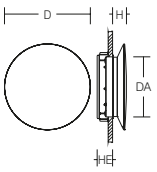




Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Semi-recessed ceiling and wall luminaires | Mondana-HE





Type of Protection: **IP 65**
Protection Class: I
Ceiling Thickness: 10-30 mm
Impact Protection: IK03 (Glass), IK10 (Polyethylene)

Base: plastic (polycarbonate). Diffuser: mouth-blown opal glass, satin finish, or plastic (polyethylene), opal, satin finish. Diffuser fastening: screwneck. Housing for semi-recessed installation in walls and ceilings: powder-coated aluminium.

Standard Gore™ Protective Vents diaphragm valve for reduction of condensation

Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Semi-recessed ceiling and wall luminaires							**Price Category 11**
Glass							
Diffuser D 280 mm, cut out DA 185 mm, TE 90 mm							
551088.002.1	D 280, H 68	LED (1)	830	570 lm	9 W	on/off	A+
551088.002	D 280, H 68	LED (1)	840	570 lm	9 W	on/off	A+
Diffuser D 390 mm, cut out DA 310 mm, TE 96 mm							
551095.002.1 *	D 390, H 57	LED (1)	830	1050 lm	13 W	on/off	A+
551095.002.1.76 **	D 390, H 57	LED (1)	830	1050 lm	13 W	DALI	A+
551095.002 *	D 390, H 57	LED (1)	840	1000 lm	13 W	on/off	A+
551095.002.76 **	D 390, H 57	LED (1)	840	1000 lm	13 W	DALI	A+
Diffuser D 500 mm, cut out DA 390 mm, TE 100 mm							
551098.002.1 *	D 500, H 78	LED (1)	830	1750 lm	21 W	on/off	A+
551098.002.1.76 **	D 500, H 78	LED (1)	830	1750 lm	21 W	DALI	A+
551098.002 *	D 500, H 78	LED (1)	840	1900 lm	21 W	on/off	A+
551098.002.76 **	D 500, H 78	LED (1)	840	1900 lm	21 W	DALI	A+
Plastic (polyethylene)							
Diffuser D 280 mm, cut out DA 185 mm, TE 90 mm							
551089.002.1	D 280, H 70	LED (1)	830	650 lm	9 W	on/off	A+
551089.002	D 280, H 70	LED (1)	840	690 lm	9 W	on/off	A+
Diffuser D 440 mm, cut out DA 310 mm, TE 96 mm							
551096.002.1 *	D 440, H 65	LED (1)	830	1200 lm	13 W	on/off	A+
551096.002.1.76 **	D 440, H 65	LED (1)	830	1200 lm	13 W	DALI	A+
551096.002 *	D 440, H 65	LED (1)	840	1200 lm	13 W	on/off	A+
551096.002.76 **	D 440, H 65	LED (1)	840	1200 lm	13 W	DALI	A+
Diffuser D 550 mm, cut out DA 390 mm, TE 100 mm							
551097.002.1 *	D 550, H 85	LED (1)	830	2200 lm	21 W	on/off	A+
551097.002.1.76 **	D 550, H 85	LED (1)	830	2200 lm	21 W	DALI	A+
551097.002 *	D 550, H 85	LED (1)	840	2100 lm	21 W	on/off	A+
551097.002.76 **	D 550, H 85	LED (1)	840	2100 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)
1 x 75 W GLS (75 W)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)
2 x 75 W GLS (150 W)

LED 21 W ≈
1 x 42 W TC-TEL (47 W EB)
2 x 100 W GLS (200 W)

Accessories | Concrete box

Supports for installation in concrete walls, ceilings and façades are available for all recessed and semi-recessed luminaires of the MONDANA series.



Concrete box			Price Category 11
981629.002	D 190, H 65	for Mondana-HE 280	
981630.002	D 320, H 70	for Mondana-HE 390/440	
981631.002	D 395, H 75	for Mondana-HE 500/550	

Replacement diffusers			Price Category 13
08-2036.002	D 282, H 88	Plastic (polyethylene)	
08-2037.002	D 442, H 83	Plastic (polyethylene)	
08-2038.002	D 550, H 114	Plastic (polyethylene)	

Replacement glasses		Price Category 13
05-2008.002	D 280, H 88	
05-2009.002	D 390, H 83	
05-2010.002	D 500, H 109	



The application image shows:
Cylio
Flat Polymero Kreis

© Daniel Vieser · Architekturfotografie, Karlsruhe, www.dv-a.de


33

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Glasdownlight
32-33

Cylio
34-35



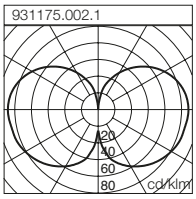
GLASDOWNLIGHT

Ceiling luminaires

- A sleekly designed surface mount ceiling luminaire for interiors
- Mouth blown 3-layer opal glass (Triplex glass) with satin finish
- Triplex glass produces particularly homogeneous, soft and glare free lighting
- LED rated life 50,000 h (L80, B10)

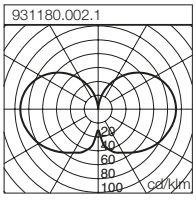
931175.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	11	14
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
10	15	24

931175.002.1



931180.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11

931180.002.1

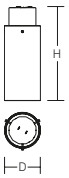




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Glasdownlight



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Base: aluminium, powder-coated. Diffuser: mouth-blown opal glass, satin finish.
Glass fastening: retaining screws.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling luminaires							**Price Category 11**
Glass D 120 mm							
931175.002	D 120, H 300	LED	830	1350 lm	14 W	on/off	A++
931175.002.1	D 120, H 300	LED	840	1400 lm	14 W	on/off	A++
931176.002	D 120, H 470	LED	830	2750 lm	27 W	on/off	A++
931176.002.1	D 120, H 470	LED	840	2800 lm	27 W	on/off	A++
Glass D 150 mm							
931178.002	D 150, H 300	LED	830	2850 lm	32 W	on/off	A++
931178.002.1	D 150, H 300	LED	840	2850 lm	32 W	on/off	A++
931180.002	D 150, H 470	LED	830	3200 lm	30 W	on/off	A++
931180.002.1	D 150, H 470	LED	840	3250 lm	30 W	on/off	A++

Replacement glasses		Price Category 13
05-931174.012	D 120, H 250	
05-931176.012	D 120, H 420	
05-931177.012	D 150, H 250	
05-931179.012	D 150, H 420	

Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 32 W TC-TEL (36 W EB)
1 x 150 W GLS (150 W)

LED 27 / 30 / 32 W ≈
1 x 57 W TC-TEL (59 W EB)



© Fotostudio Lippmann

The application image shows:
Glasdownlight



CYLIO®

Ceiling luminaires

- Comprehensive range featuring a number of glass designs, consisting of:
  - Surface mounted ceiling luminaires
  - Pendant luminaires
- A sleekly designed surface or pendant mount ceiling luminaire for interiors
- Made of top-notch components:
  - Base and canopy made of anodised aluminium with brushed stainless steel finish
  - Handmade glass elements

- Each glass fixture is a unique element. The following versions are available:
  - White opal glass
  - White opal glass with transparent glass bottom
  - Opal glass sphere



Short white opal glass



Opal glass white



Opal glass white with transparent glass bottom



Opal glass "white in white" with transparent glass bottom



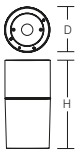
Opal glass sphere



Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Cylio



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02, IK03, IK05

Base: anodised aluminium with brushed stainless steel finish. Glass fastening: bayonet fixing.

Available colour: stainless steel, brushed



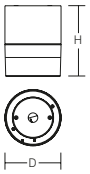
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
Short white opal glass								
311963.002	D 100, H 127	LED [1]	830	690 lm	14 W	158°	on/off	A
311963.002.1	D 100, H 127	LED [1]	840	750 lm	14 W	159°	on/off	A
Opal glass white								
311721.002	D 100, H 230	LED [1]	830	560 lm	14 W	180°	on/off	A
311721.002.1	D 100, H 230	LED [1]	840	580 lm	14 W	180°	on/off	A
311862.002	D 100, H 230	1 x QA60 (clear) 46 W				180°	on/off	A+ - E
Opal glass white with transparent glass bottom								
311850.002	D 100, H 220	LED [1]	830	590 lm	14 W	45°	on/off	A
311850.002.1	D 100, H 220	LED [1]	840	620 lm	14 W	45°	on/off	A
311865.002	D 100, H 220	1 x QA60 (clear) 46 W				108°	on/off	A+ - E
Opal glass "white in white" with transparent glass bottom								
311722.002	D 100, H 220	LED [1]	830	540 lm	14 W	40°	on/off	A
311722.002.1	D 100, H 220	LED [1]	840	560 lm	14 W	40°	on/off	A
311863.002	D 100, H 220	1 x QA60 (clear) 46 W				36°	on/off	A+ - E
Opal glass sphere								
311965.002	D 180, H 252	LED [1]	830	900 lm	14 W	180°	on/off	A
311965.002.1	D 180, H 252	LED [1]	840	920 lm	14 W	180°	on/off	A

Replacement glasses		**Price Category 13**
05-1953.002	D 100, H 57	Short white opal glass
05-1952.032	D 100, H 150	Opal glass "white in white" with transparent glass bottom
05-1952.062	D 100, H 150	Opal glass white with transparent glass bottom
05-1952.002	D 100, H 160	White opal glass
05-1954.002	D 180, H 182	Opal glass sphere

Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 50 W QT12 (60 W e-transf.)

Ceiling luminaires | Cylio



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02, IK03

Base: anodised aluminium with brushed stainless steel finish. Glass fastening: bayonet fixing.

Available colour: stainless steel, brushed



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
Short white opal glass								
311969.002	D 150, H 155	LED [1]	830	1150 lm	18 W	151°	on/off	A+
311969.002.1	D 150, H 155	LED [1]	840	1150 lm	18 W	151°	on/off	A+
Opal glass white								
311701.002	D 150, H 262	LED [1]	830	650 lm	18 W	180°	on/off	A+
311701.002.1	D 150, H 262	LED [1]	840	680 lm	18 W	180°	on/off	A+
311866.002	D 150, H 262	1 x QA60 (clear) 46 W				180°	on/off	A+ - E
Opal glass white with transparent glass bottom								
311853.002	D 150, H 257	LED [1]	830	790 lm	18 W	54°	on/off	A+
311853.002.1	D 150, H 257	LED [1]	840	830 lm	18 W	54°	on/off	A+
311869.002	D 150, H 257	1 x QA60 (clear) 46 W				109°	on/off	A+ - E
Opal glass "white in white" with transparent glass bottom								
311702.002	D 150, H 257	LED [1]	830	770 lm	18 W	53°	on/off	A+
311702.002.1	D 150, H 257	LED [1]	840	810 lm	18 W	53°	on/off	A+
311867.002	D 150, H 257	1 x QA60 (clear) 46 W				45°	on/off	A+ - E

Replacement glasses		**Price Category 13**
05-1955.002	D 150, H 67	Short white opal glass
05-1939.022	D 150, H 167	Opal glass "white in white" with transparent glass bottom
05-1940.022	D 150, H 167	Opal glass white with transparent glass bottom
05-1940.002	D 150, H 172	Opal glass white

Comparison
LED vs. conventional lamps

LED 18 W ≈
1 x 50 W QT12 (60 W e-transf.)
1 x 75 W QT12 (105 W e-transf.)



The application image shows:
Ring of Fire
Less is more

© Linus Lintner


39

39

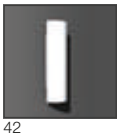
Ring of Fire
38-39

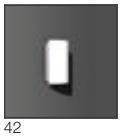

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Quadraled
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41

Coros Kristall
41


42


42

Colonna IP 44
42


43

Basic
43

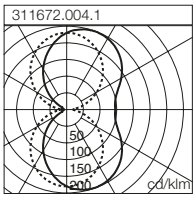


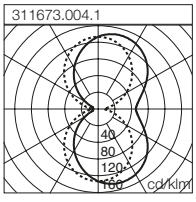
DALI

RING OF FIRE®

Wall luminaires

- An interior luminaire that is in a class of its own
- A glass and aluminium luminaire
- Lighting technology and form lend themselves to long service life as a design element for interior decoration
- A masterpiece of craftsmanship with outstanding design and durability attributes:
  - Surface or pendant mount ring-shaped ceiling luminaire
  - Luminaire with opal or Murano glass insert
  - Surface mount half-ring-shaped wall luminaire
- Energy efficient LED technology ensures that the generously proportioned opal glass is evenly lit across its entire surface
- Available in multiple sizes as ceiling, wall or pendant mounted luminaire
- Can be installed horizontally and vertically
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)



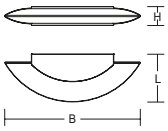




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Ring of Fire



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Base: lacquered die-cast aluminium. Mouth-blown opal glass, satin finish, with transparent glass end caps. Luminaire body fixing with countersunk bolts.

Available colour: 4 = aluminium, anodised

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 21**
Width B 421 mm							
311672.004	L 144, B 421, H 60	LED	830	800 lm	10 W	on/off	A++
311672.004.1	L 144, B 421, H 60	LED	840	850 lm	10 W	on/off	A++
Width B 597 mm							
311673.004	L 210, B 597, H 83	LED	830	2000 lm	28 W	on/off	A++
311673.004.76	L 210, B 597, H 83	LED	830	2000 lm	28 W	DALI	A++
311673.004.1	L 210, B 597, H 83	LED	840	2150 lm	28 W	on/off	A++
311673.004.1.76	L 210, B 597, H 83	LED	840	2150 lm	28 W	DALI	A++

Light colour 827 on request.

Replacement glasses		Price Category 13
05-1941.022	L 423, B 119, H 48	
05-1936.022	L 595, B 175, H 75	



Comparison
LED vs. conventional lamps

LED 10 W ≈
2 x 13 W TC-DEL (29 W EB)

LED 28 W ≈
2 x 26 W TC-DEL (56 W EB)



© Linus Lintner

The application image shows:
Ring of Fire



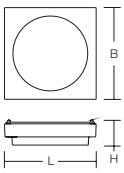


Wall luminaires | Quadraled

Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Base: anodised aluminium, brushed, stainless steel colour. Transparent crystal diffuser, with partially white-coated inner surface to prevent glare. Diffuser fastening: screwneck.

Available colour: 0 = transparent



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 21**
331154.000.1	L 280, B 280, H 76	LED	840	750 lm	13 W	on/off	A+

Replacement glasses		**Price Category 13**
05-1929.012	L 280, B 280, H 65	

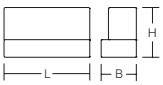
Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 18 W TC-D (26 W CB)
1 x 100 W GLS (100 W)

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Wall luminaires | Coros Kristall



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Base: anodised aluminium with brushed stainless steel finish.
Cubic crystal glass: transparent, frosted inside. Diffuser fastening: spring system.

Available colour: 0 = stainless steel, brushed

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 21**
621081.000	L 200, B 82, H 115	LED [1]	840	540 lm	18 W	on/off	A+
Replacement glasses							**Price Category 13**
05-2022.000	L 200, B 65, H 95						



Comparison
LED vs. conventional lamps

LED 18 W ≈
1 x 10 W TC-D (16 W CB)
1 x 60 W GLS (60 W)

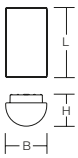




Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-DEL (20 W EB)

Wall luminaires | Colonna IP 44



Type of Protection: **IP 44**
Protection Class: I, II = E14/E27
Impact Protection: IK02

Base: plastic. Diffuser: mouth-blown opal glass, satin finish. Diffuser fastening: spring system.

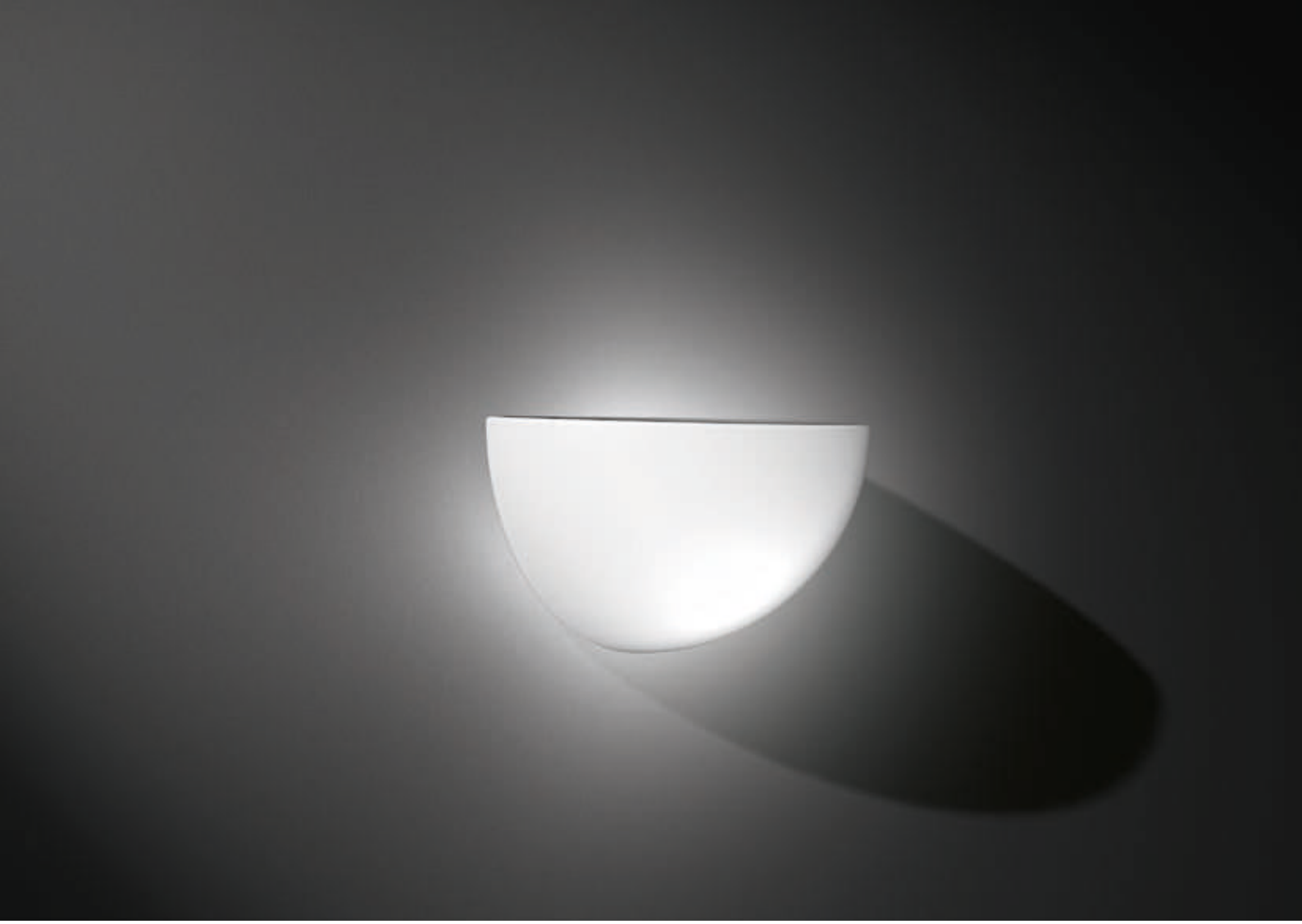
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 11**
L 245 mm							
211423.002	L 245, B 145, H 110	LED	830	900 lm	9 W	on/off	A++
211423.002.1	L 245, B 145, H 110	LED	840	900 lm	9 W	on/off	A++
211324.002	L 245, B 145, H 110	1 x E27® 60 W				on/off	A++ - E
L 340 mm							
211424.002	L 340, B 110, H 102	LED	830	900 lm	9 W	on/off	A++
211424.002.1	L 340, B 110, H 102	LED	840	900 lm	9 W	on/off	A++
211289.002	L 340, B 110, H 102	2 x E14® 40 W				on/off	A+ - E

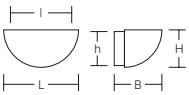
Replacement glasses		Price Category 13
05-211324.002	L 245, B 145, H 96	
05-211289.002	L 340, B 110, H 88	

LED conversion kit			Price Category 11
982175.002	L 164, B 87, H 44	1 x LED 9 W 3000 K - 1200 lm	
982175.002.1	L 164, B 87, H 44	1 x LED 9 W 4000 K - 1200 lm	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Wall luminaires | Basic



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: metal, powder-coated. Diffuser: mouth-blown opal glass, satin finish.
Glass fastening: retaining screws.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 11**
Glass 140 x 115 mm							
231016.002.1	L 220, B 140, H 115	LED [1]	830	360 lm	9 W	on/off	A+
231016.002	L 220, B 140, H 115	LED [1]	840	370 lm	9 W	on/off	A+
23643.002	L 220, B 140, H 115	1 x E27®	60 W			on/off	A++ - E
Glass 200 x 180 mm							
231018.002.1	L 360, B 200, H 180	LED [1]	830	860 lm	18 W	on/off	A+
231018.002	L 360, B 200, H 180	LED [1]	840	880 lm	18 W	on/off	A+
231011.002	L 360, B 200, H 180	1 x E27®	100 W			on/off	A++ - E

Replacement glasses		Price Category 13
05-23643.002	L 220, B 114, H 131	
05-231011.002	L 360, B 180, H 210	



Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 10 W TC-DEL (14 W EB)
1 x 60 W GLS (60 W)

LED 18 W ≈
1 x 18 W TC-DEL (20 W EB)
1 x 100 W GLS (100 W)



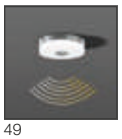
The application image shows:
Flat Slim

© Linus Lintner


47

Scapha
46-47


49


49

Douala
48-49


51


51

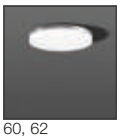
Douala Slim
50-51


53

Douala Kristall
52-53

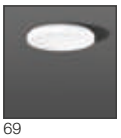

55

Mondana-A
54-55


60, 62


61, 63

Flat Slim
56-63


69


70

Flat Polymero Kreis Slim
64-71


73


74-75


76-77

Flat Polymero Kreis
64-67, 72-77


81


82-83


84-85

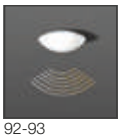
Flat Polymero
64-65, 78-85


87


88-89

Flat Polymero IP44
64-65, 86-89


91


92-93

Flat Basic
90-93


95


95

Flat Kreis
94-95


97


97

Flat Quadrat
96-97

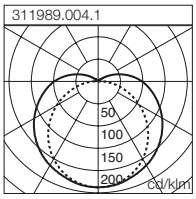


SCAPHA®

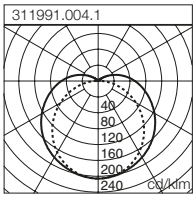
Ceiling and wall luminaires

- A range of luminaires for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- Handmade glass using the countersinking process, matt on the outside, painted white on the inside
- Uniform and glare-free illumination of the small boat shaped corpus by specially adapted LED panel boards
- The luminaire is timelessly elegant and fully integrates in architectural surroundings
- The luminaire is available in two different sizes
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L80, B10)

311989.004.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



311991.004.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8

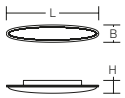




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Scapha



Type of Protection: IP 20
Protection Class: I

Base: aluminium, powder-coated. Ceiling/wall canopy and glass fixture steel powder-coated. Handmade concave glass, matt finish on the outside, painted white on the inside.

Available colour: 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Length L 714 mm							
311989.004	L 714, B 134, H 100	LED	830	2350 lm	35 W	on/off	A++
311989.004.1	L 714, B 134, H 100	LED	840	2500 lm	35 W	on/off	A++
Length L 1264 mm							
311991.004	L 1264, B 174, H 104	LED	830	3400 lm	51 W	on/off	A++
311991.004.730	L 1264, B 174, H 104	LED	830	3550 lm	51 W	smart+free	A++
311991.004.76	L 1264, B 174, H 104	LED	830	3400 lm	51 W	DALI	A++
311991.004.1	L 1264, B 174, H 104	LED	840	3550 lm	51 W	on/off	A++
311991.004.1.730	L 1264, B 174, H 104	LED	840	3550 lm	51 W	smart+free	A++
311991.004.1.76	L 1264, B 174, H 104	LED	840	3550 lm	51 W	DALI	A++

Replacement glasses		Price Category 13
05-1956.002	L 696, B 116, H 56	
05-1957.002	L 1246, B 156, H 60	

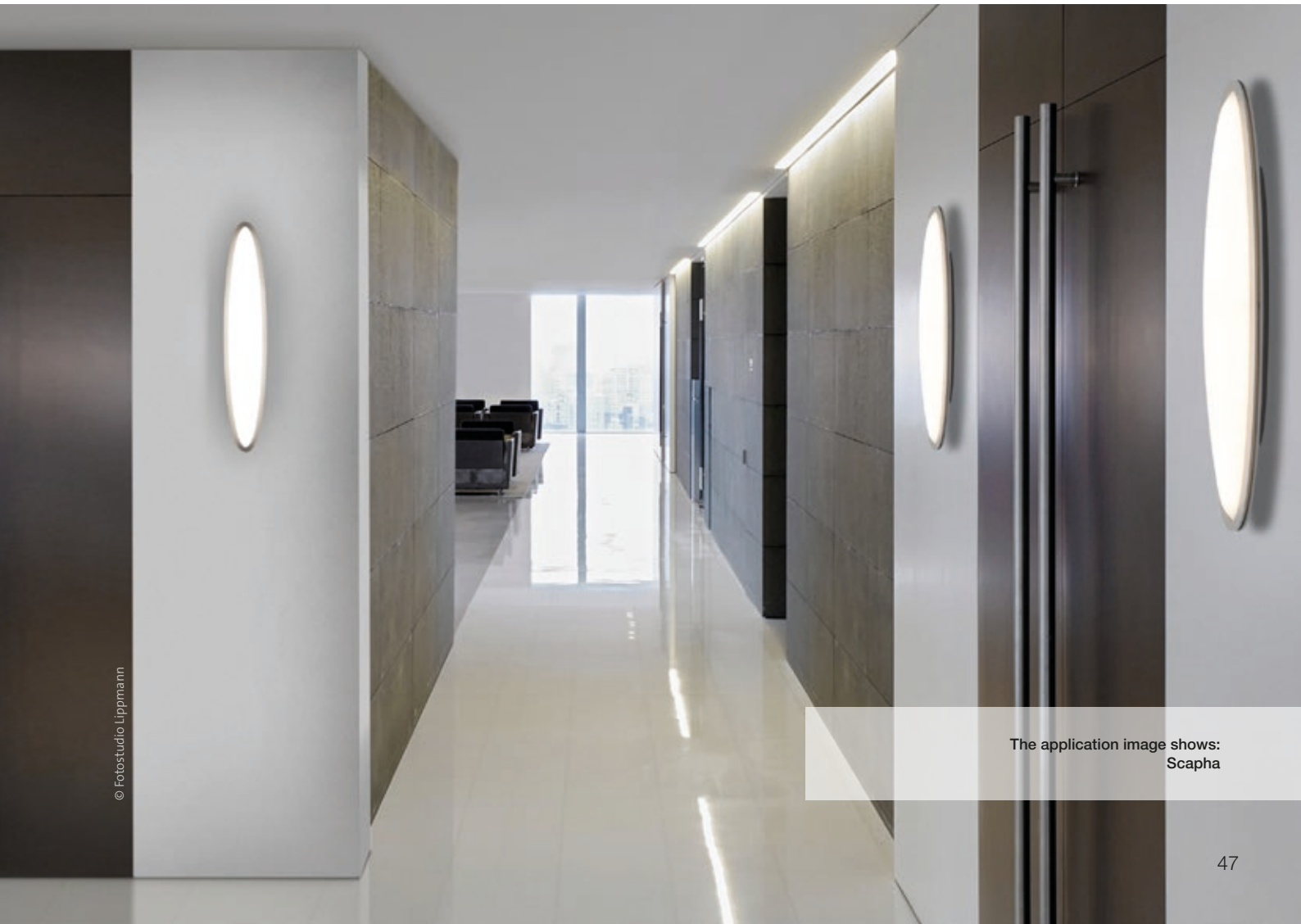


Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 35 W ≈
1 x 58 W T26 (67 W CB)

LED 51 W ≈
2 x 36 W T26 (86 W CB)



© Fotostudio Lippmann

The application image shows:
Scapha

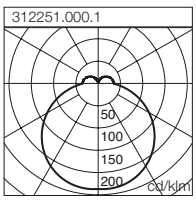


DOUALA®

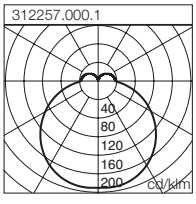
Ceiling and wall luminaires

- A multi-faceted range for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- The stainless steel base and the glass create an impression of unity
- The cover made of mouth-blown, satin-finished three-layer opal glass is available in two different sizes
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312251.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	8	11
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	11	18



312257.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	12



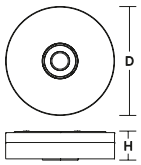




Further luminaires of this series, see:
Indoor lighting | Recessed ceiling and wall luminaires
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Douala





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass, satin finish.
Patented spring fastening system.

Available colour: 0 = stainless steel, brushed

For recessed ceiling and recessed wall applications the recess housing must be ordered separately.

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.



Applies to versions with .76



Applies to versions with .19

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)
1 x 40 W T16-R (43 W EB)

LED 27 W ≈
4 x 18 W TC-D (104 W CB)
1 x 55 W T16-R (60 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Glass D 300 mm								
312251.000 *	D 300, H 95	LED [1]	830	1750 lm	21 W		on/off	A+
312251.000.76 **	D 300, H 95	LED [1]	830	1750 lm	21 W		DALI	A+
312251.000.1 *	D 300, H 95	LED [1]	840	1850 lm	21 W		on/off	A+
312251.000.1.76 **	D 300, H 95	LED [1]	840	1850 lm	21 W		DALI	A+
Glass D 400 mm								
312257.000 *	D 400, H 102	LED [1]	830	2300 lm	27 W		on/off	A+
312257.000.76 **	D 400, H 102	LED [1]	830	2300 lm	27 W		DALI	A+
312257.000.1 *	D 400, H 102	LED [1]	840	2400 lm	27 W		on/off	A+
312257.000.1.76 **	D 400, H 102	LED [1]	840	2400 lm	27 W		DALI	A+
Ceiling and wall luminaires with integrated movement sensor								**Price Category 21**
Glass D 300 mm								
312251.000.19	D 300, H 95	LED [1]	830	1850 lm	21 W	Master	on/off	A+
312251.000.191	D 300, H 95	LED [1]	830	1750 lm	21 W	Slave	on/off	A+
312251.000.1.19	D 300, H 95	LED [1]	840	1750 lm	21 W	Master	on/off	A+
312251.000.1.191	D 300, H 95	LED [1]	840	1850 lm	21 W	Slave	on/off	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Accessories | Installation housing for Douala range
Lacquered aluminium housing for installation in cavity walls of 15-35 mm wall thickness.

Accessories			Price Category 21
Recess housing for cavity walls			
981893.000	D 454, H 120, HE 120	for luminaires D 300, Cut out DA 440 mm	
981762.000	D 524, H 150, HE 150	for luminaires D 400, Cut out DA 510 mm	
Semi-recess housing for cavity walls			
981892.000	D 326, H 90, HE 90	for luminaires D 300, Cut out DA 312 mm	
981763.000	D 426, H 90, HE 90	for luminaires D 400, Cut out DA 410 mm	

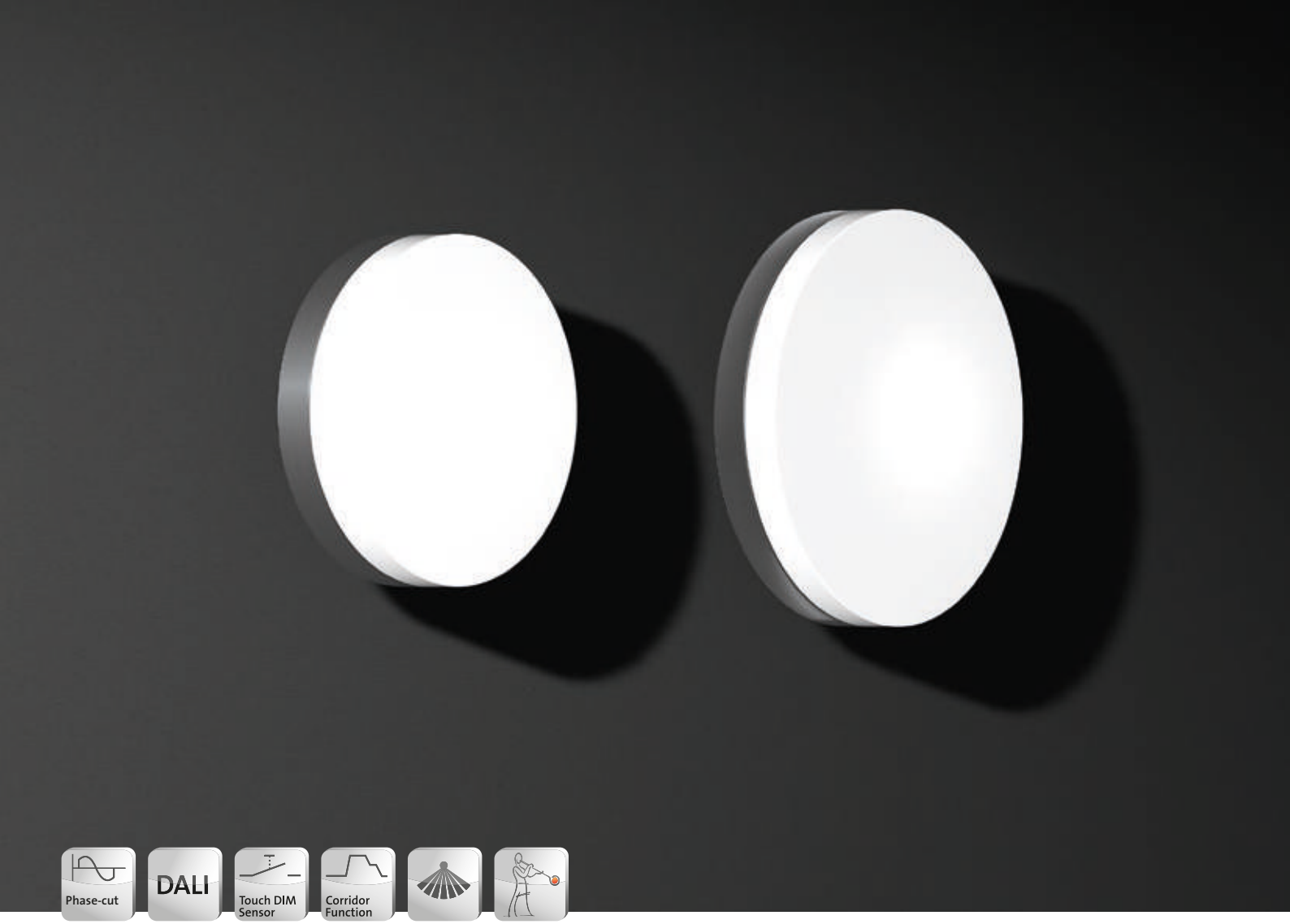
Replacement glasses		Price Category 13
05-1934.012	D 300, H 76	
05-2018.032	D 400, H 87	


Recessed housing installation D 300


Recessed housing installation D 400


Semi-recessed housing installation D 300


Semi-recessed housing installation D 400

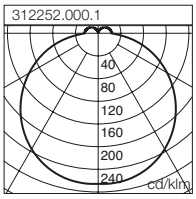


DOUALA® SLIM

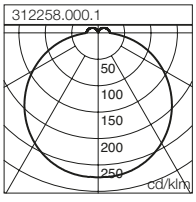
Ceiling and wall luminaires

- A multi-faceted range for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- The stainless steel base and the glass create an impression of unity
- The cover made of mouth-blown, satin-finished three-layer opal glass is available in two different sizes
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312252.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	8	11
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	12	19



312258.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	14

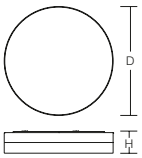





Further luminaires of this series, see:
Indoor lighting | Recessed ceiling and wall luminaires
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Douala Slim





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass, satin finish.
Patented spring fastening system.

Available colour: 0 = stainless steel, brushed

For recessed ceiling and recessed wall applications the recess housing must be ordered separately.

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.



Applies to versions with .76



Applies to versions with .19

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)
1 x 40 W T16-R (43 W EB)

LED 27 W ≈
4 x 18 W TC-D (104 W CB)
1 x 55 W T16-R (60 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Glass D 300 mm								
312252.000 *	D 300, H 75	LED [1]	830	1500 lm	21 W		on/off	A+
312252.000.76 **	D 300, H 75	LED [1]	830	1500 lm	21 W		DALI	A+
312252.000.1 *	D 300, H 75	LED [1]	840	1600 lm	21 W		on/off	A+
312252.000.1.76 **	D 300, H 75	LED [1]	840	1600 lm	21 W		DALI	A+
Glass D 400 mm								
312258.000 *	D 400, H 75	LED [1]	830	2000 lm	27 W		on/off	A+
312258.000.76 **	D 400, H 75	LED [1]	830	2000 lm	27 W		DALI	A+
312258.000.1 *	D 400, H 75	LED [1]	840	2100 lm	27 W		on/off	A+
312258.000.1.76 **	D 400, H 75	LED [1]	840	2100 lm	27 W		DALI	A+
Ceiling and wall luminaires with integrated movement sensor								**Price Category 21**
Glass D 300 mm								
312252.000.19	D 300, H 75	LED [1]	830	1500 lm	21 W	Master	on/off	A+
312252.000.191	D 300, H 75	LED [1]	830	1500 lm	21 W	Slave	on/off	A+
312252.000.1.19	D 300, H 75	LED [1]	840	1600 lm	21 W	Master	on/off	A+
312252.000.1.191	D 300, H 75	LED [1]	840	1600 lm	21 W	Slave	on/off	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

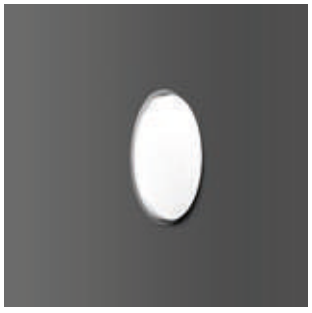
Accessories | Installation housing for Douala range
Lacquered aluminium housing for installation in cavity walls of 15-35 mm wall thickness.

Accessories			Price Category 21
Recess housing for cavity walls			
981893.000	D 454, H 120, HE 120	for luminaires D 300, Cut out DA 440 mm	
981762.000	D 524, H 150, HE 150	for luminaires D 400, Cut out DA 510 mm	
Semi-recess housing for cavity walls			
981892.000	D 326, H 90, HE 90	for luminaires D 300, Cut out DA 312 mm	
981763.000	D 426, H 90, HE 90	for luminaires D 400, Cut out DA 410 mm	

Replacement glasses		Price Category 13
05-1965.002	D 300, H 62	
05-1966.002	D 400, H 62	


Recessed housing installation D 300


Recessed housing installation D 400


Semi-recessed housing installation D 300


Semi-recessed housing installation D 400

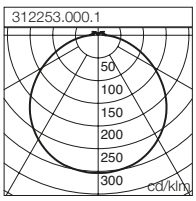


DOUALA® KRISTALL

Ceiling and wall luminaires

- Series of pendant luminaires, ceiling and wall luminaires
- The mouth blown opal glass with the transparent, icy edge of 20 mm gives the luminaire a brilliant look
- The stainless steel base and the stainless steel ring attached to the glass form an optical unit
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312253.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
9	14	18
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
13	19	32

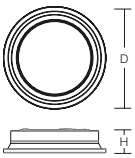




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Douala Kristall





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass with a 20 mm clear glass edge. Patented spring fastening system.

Available colour: 0 = stainless steel, brushed

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Glass D 340 mm							
312253.000 *	D 340, H 86	LED [1]	830	1050 lm	21 W	on/off	A+
312253.000.76 **	D 340, H 86	LED [1]	830	1050 lm	21 W	DALI	A+
312253.000.1 *	D 340, H 86	LED [1]	840	1100 lm	21 W	on/off	A+
312253.000.1.76 **	D 340, H 86	LED [1]	840	1100 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement glasses		Price Category 13
05-2037.012	D 340, H 71	



Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 21 W ≈
1 x 26 W TC-D (34 W CB)



© Fotostudio Lippmann

The application image shows:
Douala Kristall



MONDANA®-A

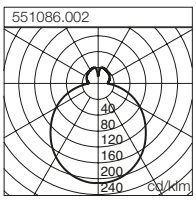
Ceiling and wall luminaires

- Comprehensive range consisting of:
  - Ceiling and wall luminaires
  - Semi-recessed ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- For indoor and outdoor lighting
- The IP 65 type of protection provides excellent protection against rain and humidity and the luminaire is kept free from dirt and insects
- Integral membrane valve for pressure compensation and prevention of condensation
- With mouth-blown, 3-layer opal glass satin finish or opal plastic (PE) diffuser

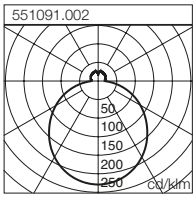


Further luminaires of this series, see:
Indoor lighting | Recessed ceiling and wall luminaires

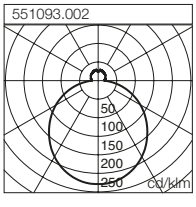
551086.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
13	19	26
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
18	27	45



551091.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	10	14
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
10	15	24

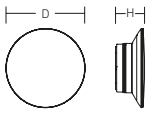


551093.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	13



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Mondana-A





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03 (Glass), IK10 (Polyethylene)

Base: plastic (polycarbonate). Diffuser: Opal glass, mouth-blown, satin finish, or opal plastic (polyethylene), satin finish. Diffuser fastening: screwneck.
Standard Gore™ Protective Vents diaphragm valve to avoid condensation.

Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Opal glass, satin finish							
D 280 mm							
551086.002.1	D 280, H 105	LED [1]	830	570 lm	9 W	on/off	A+
551086.002	D 280, H 105	LED [1]	840	600 lm	9 W	on/off	A+
D 390 mm							
551091.002.1 *	D 390, H 101	LED [1]	830	1050 lm	13 W	on/off	A+
551091.002.1.76 **	D 390, H 101	LED [1]	830	1050 lm	13 W	DALI	A+
551091.002 *	D 390, H 101	LED [1]	840	1000 lm	13 W	on/off	A+
551091.002.76 **	D 390, H 101	LED [1]	840	1000 lm	13 W	DALI	A+
D 500 mm							
551093.002.1 *	D 500, H 128	LED [1]	830	1750 lm	21 W	on/off	A+
551093.002.1.76 **	D 500, H 128	LED [1]	830	1750 lm	21 W	DALI	A+
551093.002 *	D 500, H 128	LED [1]	840	1900 lm	21 W	on/off	A+
551093.002.76 **	D 500, H 128	LED [1]	840	1900 lm	21 W	DALI	A+
Diffuser: plastic (polyethylene)							
D 280 mm							
551087.002.1	D 280, H 105	LED [1]	830	650 lm	9 W	on/off	A+
551087.002	D 280, H 105	LED [1]	840	690 lm	9 W	on/off	A+
D 440 mm							
551092.002.1 *	D 440, H 109	LED [1]	830	1200 lm	13 W	on/off	A+
551092.002.1.76 **	D 440, H 109	LED [1]	830	1200 lm	13 W	DALI	A+
551092.002 *	D 440, H 109	LED [1]	840	1200 lm	13 W	on/off	A+
551092.002.76 **	D 440, H 109	LED [1]	840	1200 lm	13 W	DALI	A+
D 550 mm							
551094.002.1 *	D 550, H 135	LED [1]	830	2200 lm	21 W	on/off	A+
551094.002.1.76 **	D 550, H 135	LED [1]	830	2200 lm	21 W	DALI	A+
551094.002 *	D 550, H 135	LED [1]	840	2100 lm	21 W	on/off	A+
551094.002.76 **	D 550, H 135	LED [1]	840	2100 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)
1 x 75 W GLS (75 W)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
1 x 42 W TC-TEL (47 W EB)
2 x 100 W GLS (200 W)

Accessories | Insert modules for grid ceilings
Metal, white textured, RAL 9003



Accessories			Price Category 11
Insert module 600			
981761.0024/497	L 590, B 590, H 15	Mondana-A 440	
Insert module 625			
981712.0024/497	L 615, B 615, H 15	Mondana-A 440	
Semi-recessed module 600			
981761.0024/301	L 590, B 590, H 15	Mondana-A 390/440	
981761.0024/381	L 590, B 590, H 15	Mondana-A 500/550	
Semi-recessed module 625			
981712.0024/301	L 615, B 615, H 15	Mondana-A 390/440	
981712.0024/381	L 615, B 615, H 15	Mondana-A 500/550	

Replacement glasses		Price Category 13
05-2008.002	D 280, H 88	
05-2009.002	D 390, H 83	
05-2010.002	D 500, H 109	

Replacement diffusers			Price Category 13
08-2036.002	D 282, H 88	Plastic (polyethylene)	
08-2037.002	D 442, H 83	Plastic (polyethylene)	
08-2038.002	D 550, H 114	Plastic (polyethylene)	

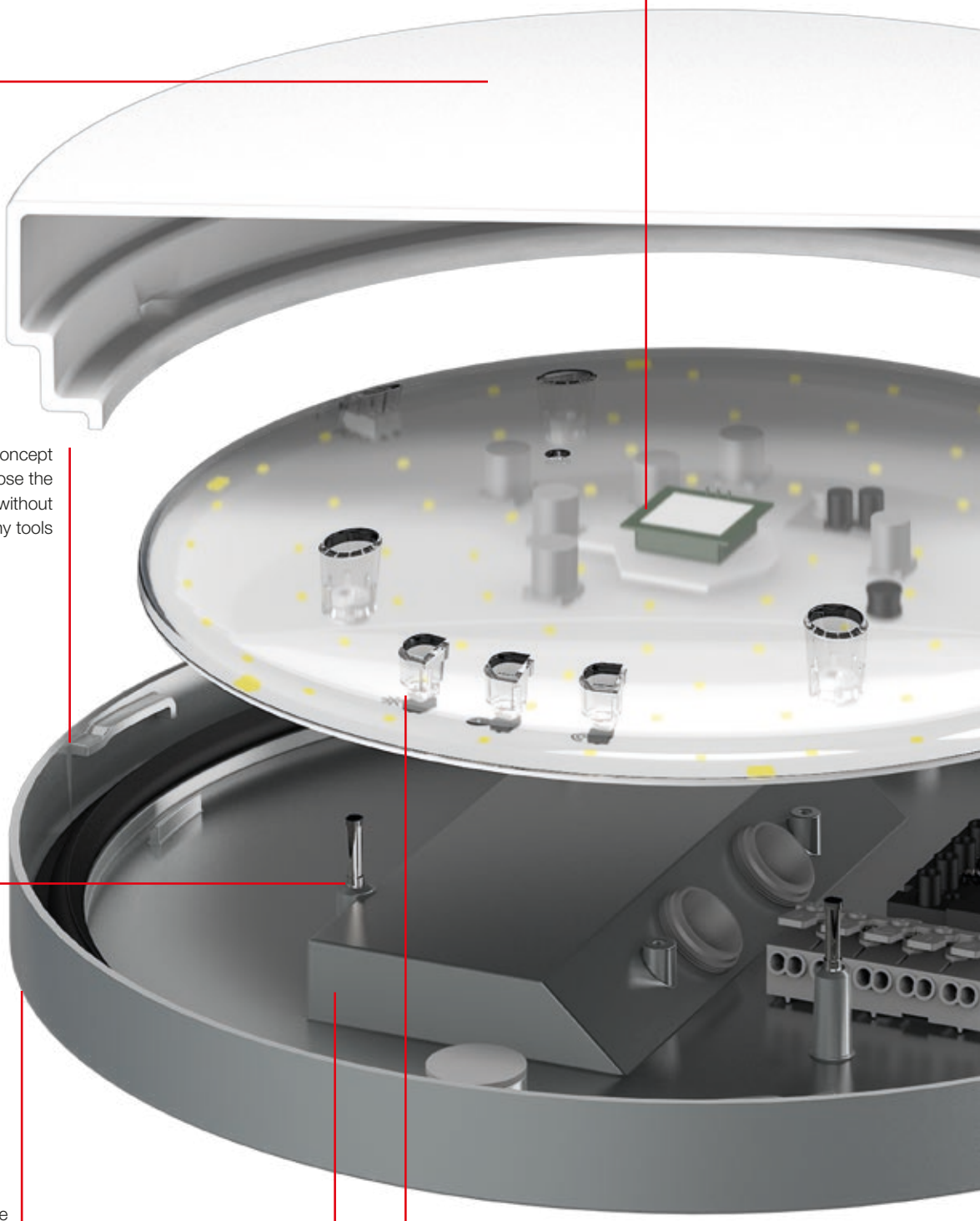
FLAT SLIM

Everything at a glance

The movement sensor with daylight sensor integrated on the board regulates the lighting according to individual settings. Thanks to Corridor function, light is switched on only when it is really needed.

Corridor Function

Mouth-blown opal glass or **diffusers** made of **non-yellowing PMMA** plastic or shockproof PC



The intelligent fastening concept allows to open and close the luminaire at any time without any tools

The LED unit is attached to the luminaire housing using a snap-in mechanism so that it can be replaced at any time without any tools

Very flat housing made of die cast aluminium

The large connection compartment on the back for convenient connections is also ideal for through wiring

Easy adjustment of the following functions via three push button switches:

- **A** Detection range 0.5 - 5 m radial (10 to 100% adjustable)
- **H** Hold time 1s up to 15 min (in 8 different levels)
- **L** Daylight detection with 5 brightness levels and learning mode

TouchDim

TouchDim offers the simple option of cost-effective and efficient light control without any additional control device. TouchDim means the device can be operated via standard push button, whilst control is taken over by the DALI board.

Corridor function

The Corridor function allows the luminaires to be configured so that they maintain a residual brightness of 10% if no movement is detected. This is recommended for applications without any ambient light, especially in corridors or stairwells without any daylight.

You can choose the following operation scenarios:

Option 0 (factory setting):
100% (hold time) -> 10% (10s) residual brightness -> 0%

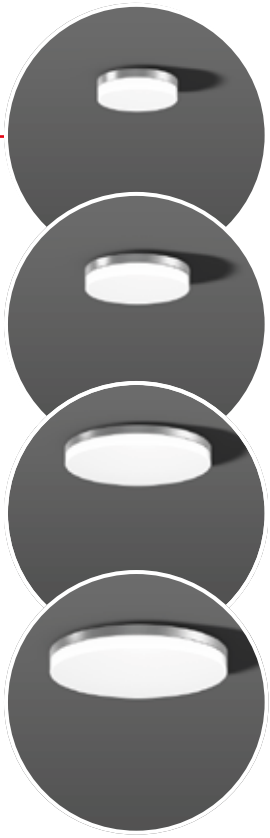
Option 1:
100% (hold time) -> 10% residual brightness (permanently until further movement detection)

Option 2:
100% (hold time) -> 10% (Xs*) residual brightness -> 0%
*Xs = 1s, 10s, 30s, 60s, 3min, 5min, 10min, 15min



The touch protection (cover) forms a single unit with the LED board. This ensures the required safety during installation and at the same time protects the LED board against dirt and damage

Due to the high IP rate of 65, the luminaire is protected against water and dust from the outside



D 230 mm
H 63 mm

D 300 mm
H 63 mm

D 400 mm
H 70 mm

D 480 mm
H 70 mm

PLUG&PLAY

The electrical connection of LED boards to the mains supply is very quick thanks to the Quick-Connector



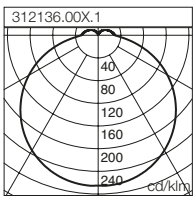
FLAT SLIM

Ceiling and wall luminaires

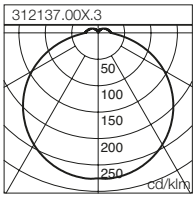
- Base made of die-cast aluminium
- Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish
- Diffuser mounting without use of tools, thanks to bayonet fixing
- Particularly homogeneous, soft and glare-free light thanks to the use of AC boards
- High ingress protection rating: IP 65
- Standard Gore™ Protective Vents diaphragm valve to avoid condensation
- Very easy installation thanks to plug & play connection

- LED module can be replaced without use of tools
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)
- DALI and master boards suitable for DC voltage from 176-276 V; luminaire flux in DC mode 25%

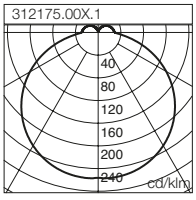
312136.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	14



312137.00X.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8



312175.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	10



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



© Linus Lintner

The application image shows:
Flat Slim



Applies to versions with .76

Comparison LED vs. conventional lamps

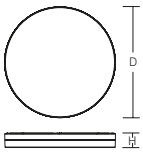
LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 18 W TC-D (52 W CB)

LED 27 W ≈
2 x 26 W TC-D (68 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

Ceiling and wall luminaires | Flat Slim



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Base: pressure die-cast aluminium, powder-coated. Opal glass: mouth-blown, satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass							
D 230 mm							
312132.00X *	D 230, H 63	LED (1)	830	1000 lm	13 W	on/off	A+
312132.00X.76 **	D 230, H 63	LED (1)	830	1000 lm	13 W	DALI	A+
312132.00X.1 *	D 230, H 63	LED (1)	840	1000 lm	13 W	on/off	A+
312132.00X.1.76 **	D 230, H 63	LED (1)	840	1000 lm	13 W	DALI	A+
D 300 mm							
312133.00X *	D 300, H 63	LED (1)	830	1500 lm	21 W	on/off	A+
312133.00X.730 **	D 300, H 63	LED (1)	830	1500 lm	21 W	smart+free	A+
312133.00X.76 **	D 300, H 63	LED (1)	830	1500 lm	21 W	DALI	A+
312133.00X.1 *	D 300, H 63	LED (1)	840	1600 lm	21 W	on/off	A+
312133.00X.1.730	D 300, H 63	LED (1)	840	1600 lm	21 W	smart+free	A+
312133.00X.1.76 **	D 300, H 63	LED (1)	840	1600 lm	21 W	DALI	A+
D 400 mm							
312174.00X *	D 400, H 70	LED (1)	830	2200 lm	27 W	on/off	A+
312174.00X.730	D 400, H 70	LED (1)	830	2200 lm	27 W	smart+free	A+
312174.00X.76 **	D 400, H 70	LED (1)	830	2200 lm	27 W	DALI	A+
312174.00X.1 *	D 400, H 70	LED (1)	840	2300 lm	27 W	on/off	A+
312174.00X.1.730	D 400, H 70	LED (1)	840	2300 lm	27 W	smart+free	A+
312174.00X.1.76 **	D 400, H 70	LED (1)	840	2300 lm	27 W	DALI	A+
D 480 mm							
312134.00X	D 480, H 70	LED (1)	830	2600 lm	33 W	on/off	A+
312134.00X.76 **	D 480, H 70	LED (1)	830	2600 lm	33 W	DALI	A+
312134.00X.1	D 480, H 70	LED (1)	840	2700 lm	33 W	on/off	A+
312134.00X.1.76 **	D 480, H 70	LED (1)	840	2700 lm	33 W	DALI	A+

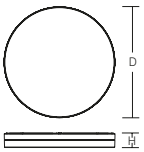
* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement glasses		**Price Category 13**
05-1969.002	D 230, H 51	
05-1970.002	D 300, H 51	
05-312174.002	D 400, H 58	
05-1971.002	D 480, H 59	

Replacement LED module for Flat Slim		**Price Category 11**
E90-6706.000	D 170, H 22	1 x LED 13 W 3000 K
E90-6706.010	D 170, H 22	1 x LED 13 W 4000 K
E90-6843.020	D 170, H 22	1 x LED 13 W 3000 K, DALI
E90-6843.020.1	D 170, H 22	1 x LED 13 W 4000 K, DALI
E90-6707.000	D 240, H 22	1 x LED 21 W 3000 K
E90-6707.010	D 240, H 22	1 x LED 21 W 4000 K
E90-6844.020	D 240, H 22	1 x LED 21 W 3000 K, DALI
E90-6844.020.1	D 240, H 22	1 x LED 21 W 4000 K, DALI
E90-6823.000	D 335, H 25	1 x LED 27 W 3000 K
E90-6823.000.76	D 335, H 25	1 x LED 27 W 3000 K, DALI
E90-6823.010	D 335, H 25	1 x LED 27 W 4000 K
E90-6823.010.76	D 335, H 25	1 x LED 27 W 4000 K, DALI
E90-6708.000	D 420, H 22	1 x LED 33 W 3000 K
E90-6708.000.76	D 420, H 22	1 x LED 33 W 3000 K, DALI
E90-6708.010	D 420, H 22	1 x LED 33 W 4000 K
E90-6708.010.76	D 420, H 22	1 x LED 33 W 4000 K, DALI

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED (1)** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Flat Slim with movement sensor





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Base: pressure die-cast aluminium, powder-coated. Opal glass: mouth-blown, satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Applies to versions with .19

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 18 W TC-D (52 W CB)

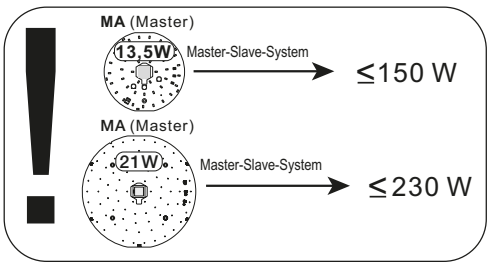
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Glass								
D 230 mm								
312132.00X.19	D 230, H 63	LED (1)	830	1000 lm	13 W	Master	on/off	A+
312132.00X.191	D 230, H 63	LED (1)	830	1000 lm	13 W	Slave	on/off	A+
312132.00X.1.19	D 230, H 63	LED (1)	840	1000 lm	13 W	Master	on/off	A+
312132.00X.1.191	D 230, H 63	LED (1)	840	1000 lm	13 W	Slave	on/off	A+
D 300 mm								
312133.00X.19	D 300, H 63	LED (1)	830	1500 lm	21 W	Master	on/off	A+
312133.00X.191	D 300, H 63	LED (1)	830	1500 lm	21 W	Slave	on/off	A+
312133.00X.1.19	D 300, H 63	LED (1)	840	1600 lm	21 W	Master	on/off	A+
312133.00X.1.191	D 300, H 63	LED (1)	840	1600 lm	21 W	Slave	on/off	A+

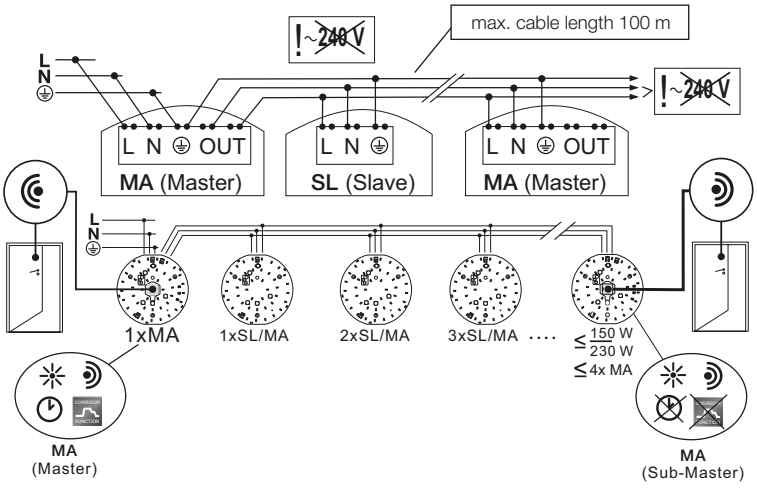
Replacement glasses		**Price Category 13**
05-1969.002	D 230, H 51	
05-1970.002	D 300, H 51	

Replacement LED module for Flat Slim			**Price Category 11**
E90-6843.000	D 170, H 22	1 x LED 13 W 3000 K, Slave	
E90-6843.000.1	D 170, H 22	1 x LED 13 W 4000 K, Slave	
E90-6843.010	D 170, H 22	1 x LED 13 W 3000 K, Master	
E90-6843.010.1	D 170, H 22	1 x LED 13 W 4000 K, Master	
E90-6844.000	D 240, H 22	1 x LED 21 W 3000 K, Slave	
E90-6844.000.1	D 240, H 22	1 x LED 21 W 4000 K, Slave	
E90-6844.010	D 240, H 22	1 x LED 21 W 3000 K, Master	
E90-6844.010.1	D 240, H 22	1 x LED 21 W 4000 K, Master	

Installation example

Radial movement sensors in the master luminaires







Touch DIM Sensor Applies to versions with .76

Comparison LED vs. conventional lamps

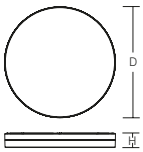
LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

Ceiling and wall luminaires | Flat Slim



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

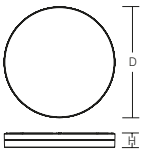
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
D 230 mm							
312135.00X *	D 230, H 63	LED (1)	830	1150 lm	13 W	on/off	A+
312135.00X.76 **	D 230, H 63	LED (1)	830	1150 lm	13 W	DALI	A+
312135.00X.1 *	D 230, H 63	LED (1)	840	1100 lm	13 W	on/off	A+
312135.00X.1.76 **	D 230, H 63	LED (1)	840	1100 lm	13 W	DALI	A+
D 300 mm							
312136.00X *	D 300, H 63	LED (1)	830	1800 lm	21 W	on/off	A+
312136.00X.730	D 300, H 63	LED (1)	830	1800 lm	21 W	smart+free	A+
312136.00X.76 **	D 300, H 63	LED (1)	830	1800 lm	21 W	DALI	A+
312136.00X.1 *	D 300, H 63	LED (1)	840	1900 lm	21 W	on/off	A+
312136.00X.1.730	D 300, H 63	LED (1)	840	1900 lm	21 W	smart+free	A+
312136.00X.1.76 **	D 300, H 63	LED (1)	840	1900 lm	21 W	DALI	A+
D 400 mm							
312175.00X *	D 400, H 70	LED (1)	830	2350 lm	27 W	on/off	A+
312175.00X.730	D 400, H 70	LED (1)	830	2350 lm	27 W	smart+free	A+
312175.00X.76 **	D 400, H 70	LED (1)	830	2350 lm	27 W	DALI	A+
312175.00X.1 *	D 400, H 70	LED (1)	840	2500 lm	27 W	on/off	A+
312175.00X.1.730	D 400, H 70	LED (1)	840	2500 lm	27 W	smart+free	A+
312175.00X.1.76 **	D 400, H 70	LED (1)	840	2500 lm	27 W	DALI	A+
D 480 mm							
312137.00X	D 480, H 70	LED (1)	830	3000 lm	33 W	on/off	A+
312137.00X.76 **	D 480, H 70	LED (1)	830	3000 lm	33 W	DALI	A+
312137.00X.1	D 480, H 70	LED (1)	840	3100 lm	33 W	on/off	A+
312137.00X.1.76 **	D 480, H 70	LED (1)	840	3100 lm	33 W	DALI	A+
Diffuser: plastic (polycarbonate)							
D 230 mm							
312135.00X.2 *	D 230, H 63	LED (1)	830	1300 lm	13 W	on/off	A+
312135.00X.2.76 **	D 230, H 63	LED (1)	830	1300 lm	13 W	DALI	A+
312135.00X.3 *	D 230, H 63	LED (1)	840	1300 lm	13 W	on/off	A+
312135.00X.3.76 **	D 230, H 63	LED (1)	840	1300 lm	13 W	DALI	A+
D 300 mm							
312136.00X.2 *	D 300, H 63	LED (1)	830	1900 lm	21 W	on/off	A+
312136.00X.2.730	D 300, H 63	LED (1)	830	1900 lm	21 W	smart+free	A+
312136.00X.2.76 **	D 300, H 63	LED (1)	830	1900 lm	21 W	DALI	A+
312136.00X.3 *	D 300, H 63	LED (1)	840	2000 lm	21 W	on/off	A+
312136.00X.3.730	D 300, H 63	LED (1)	840	2000 lm	21 W	smart+free	A+
312136.00X.3.76 **	D 300, H 63	LED (1)	840	2000 lm	21 W	DALI	A+
D 400 mm							
312175.00X.2 *	D 400, H 70	LED (1)	830	2650 lm	27 W	on/off	A+
312175.00X.2.730	D 400, H 70	LED (1)	830	2650 lm	27 W	smart+free	A+
312175.00X.2.76 **	D 400, H 70	LED (1)	830	2650 lm	27 W	DALI	A+
312175.00X.3 *	D 400, H 70	LED (1)	840	2800 lm	27 W	on/off	A+
312175.00X.3.730	D 400, H 70	LED (1)	840	2800 lm	27 W	smart+free	A+
312175.00X.3.76 **	D 400, H 70	LED (1)	840	2800 lm	27 W	DALI	A+
D 480 mm							
312137.00X.2	D 480, H 70	LED (1)	830	3300 lm	33 W	on/off	A+
312137.00X.2.76 **	D 480, H 70	LED (1)	830	3300 lm	33 W	DALI	A+
312137.00X.3	D 480, H 70	LED (1)	840	3400 lm	33 W	on/off	A+
312137.00X.3.76 **	D 480, H 70	LED (1)	840	3400 lm	33 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			Price Category 13
08-2118.002	D 230, H 55	Plastic (PMMA)	
08-2118.012	D 230, H 55	Plastic (polycarbonate)	
08-2119.002	D 300, H 55	Plastic (PMMA)	
08-2119.012	D 300, H 55	Plastic (polycarbonate)	
08-312175.002	D 400, H 62	Plastic (PMMA)	
08-312175.012	D 400, H 62	Plastic (polycarbonate)	
08-2120.002	D 480, H 62	Plastic (PMMA)	
08-2120.012	D 480, H 62	Plastic (polycarbonate)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED (1)** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Flat Slim with movement sensor





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Applies to versions with .19

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

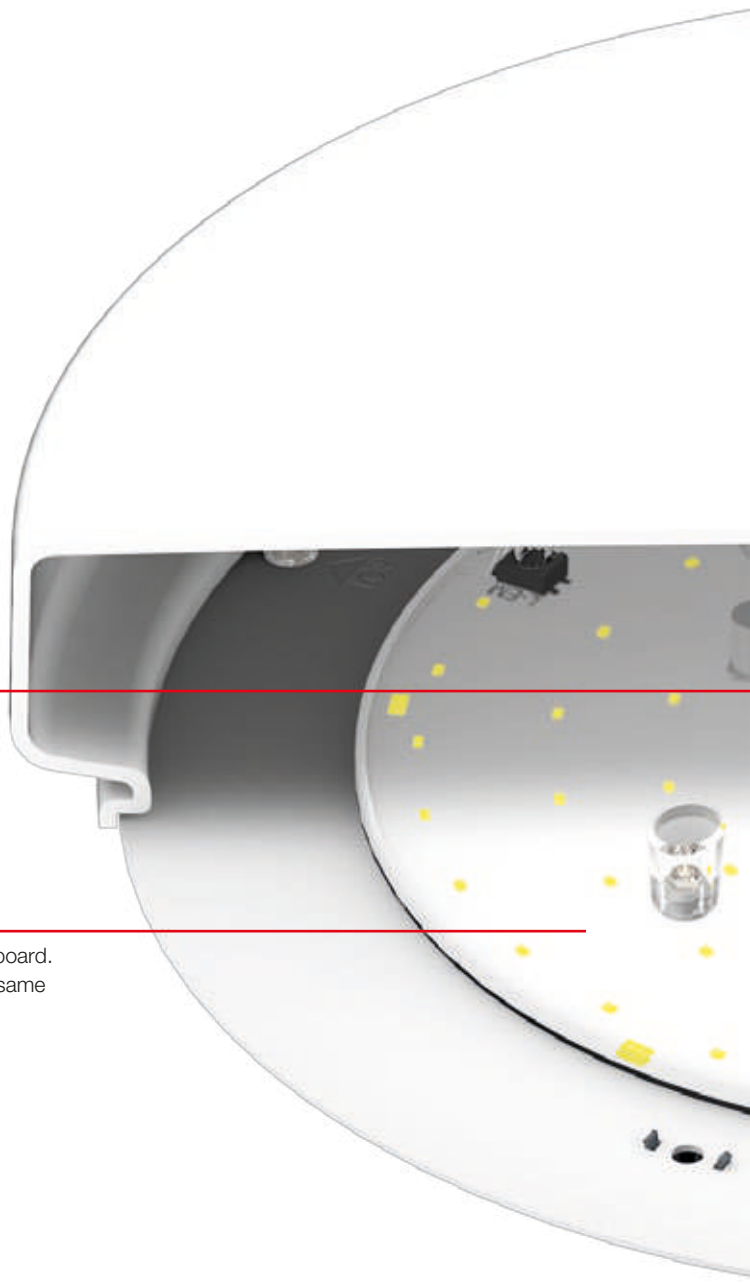
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
D 230 mm								
312135.00X.19	D 230, H 63	LED (1)	830	1150 lm	13 W	Master	on/off	A+
312135.00X.191	D 230, H 63	LED (1)	830	1150 lm	13 W	Slave	on/off	A+
312135.00X.1.19	D 230, H 63	LED (1)	840	1100 lm	13 W	Master	on/off	A+
312135.00X.1.191	D 230, H 63	LED (1)	840	1100 lm	13 W	Slave	on/off	A+
D 300 mm								
312136.00X.19	D 300, H 63	LED (1)	830	1800 lm	21 W	Master	on/off	A+
312136.00X.191	D 300, H 63	LED (1)	830	1800 lm	21 W	Slave	on/off	A+
312136.00X.1.19	D 300, H 63	LED (1)	840	1900 lm	21 W	Master	on/off	A+
312136.00X.1.191	D 300, H 63	LED (1)	840	1900 lm	21 W	Slave	on/off	A+
Diffuser: plastic (polycarbonate)								
D 230 mm								
312135.00X.2.19	D 230, H 63	LED (1)	830	1300 lm	13 W	Master	on/off	A+
312135.00X.2.191	D 230, H 63	LED (1)	830	1300 lm	13 W	Slave	on/off	A+
312135.00X.3.19	D 230, H 63	LED (1)	840	1300 lm	13 W	Master	on/off	A+
312135.00X.3.191	D 230, H 63	LED (1)	840	1300 lm	13 W	Slave	on/off	A+
D 300 mm								
312136.00X.2.19	D 300, H 63	LED (1)	830	1900 lm	21 W	Master	on/off	A+
312136.00X.2.191	D 300, H 63	LED (1)	830	1900 lm	21 W	Slave	on/off	A+
312136.00X.3.19	D 300, H 63	LED (1)	840	2000 lm	21 W	Master	on/off	A+
312136.00X.3.191	D 300, H 63	LED (1)	840	2000 lm	21 W	Slave	on/off	A+

Replacement LED module for Flat Slim			Price Category 11
E90-6843.000	D 170, H 22	1 x LED 13 W 3000 K, Slave	
E90-6843.000.1	D 170, H 22	1 x LED 13 W 4000 K, Slave	
E90-6843.010	D 170, H 22	1 x LED 13 W 3000 K, Master	
E90-6843.010.1	D 170, H 22	1 x LED 13 W 4000 K, Master	
E90-6844.000	D 240, H 22	1 x LED 21 W 3000 K, Slave	
E90-6844.000.1	D 240, H 22	1 x LED 21 W 4000 K, Slave	
E90-6844.010	D 240, H 22	1 x LED 21 W 3000 K, Master	
E90-6844.010.1	D 240, H 22	1 x LED 21 W 4000 K, Master	

Replacement LED module for Flat Slim			Price Category 11
E90-6706.000	D 170, H 22	1 x LED 13 W 3000 K	
E90-6706.010	D 170, H 22	1 x LED 13 W 4000 K	
E90-6843.020	D 170, H 22	1 x LED 13 W 3000 K, DALI	
E90-6843.020.1	D 170, H 22	1 x LED 13 W 4000 K, DALI	
E90-6707.000	D 240, H 22	1 x LED 21 W 3000 K	
E90-6707.010	D 240, H 22	1 x LED 21 W 4000 K	
E90-6844.020	D 240, H 22	1 x LED 21 W 3000 K, DALI	
E90-6844.020.1	D 240, H 22	1 x LED 21 W 4000 K, DALI	
E90-6823.000	D 335, H 25	1 x LED 27 W 3000 K	
E90-6823.000.76	D 335, H 25	1 x LED 27 W 3000 K, DALI	
E90-6823.010	D 335, H 25	1 x LED 27 W 4000 K	
E90-6823.010.76	D 335, H 25	1 x LED 27 W 4000 K, DALI	
E90-6708.000	D 420, H 22	1 x LED 33 W 3000 K	
E90-6708.000.76	D 420, H 22	1 x LED 33 W 3000 K, DALI	
E90-6708.010	D 420, H 22	1 x LED 33 W 4000 K	
E90-6708.010.76	D 420, H 22	1 x LED 33 W 4000 K, DALI	

FLAT POLYMERO® KREIS | FLAT POLYMERO® | FLAT POLYMERO® IP 44

Everything at a glance



Corridor Function

The movement sensor with daylight sensor integrated on the board regulates the lighting according to individual settings. Thanks to the Corridor function, light is switched on only when it is really needed.

The touch protection (cover) forms a single unit with the LED board. This ensures the required safety during installation and at the same time protects the LED board against dirt and damage.

Corridor Function

Corridor Function

The Corridor function allows the luminaires to be configured so that they maintain a residual brightness of 10% if no movement is detected. This is recommended for applications without any ambient light, especially in corridors or stairwells without any daylight.

You can choose from the following operation scenarios:

Option 0 (factory setting):
100% (hold time) -> 10% (10s) residual brightness -> 0%

Option 1:
100% (hold time) -> 10% residual brightness (permanently until further movement detection)

Option 2:
100% (hold time) -> 10% (Xs*) residual brightness -> 0%

*Xs = 1s, 10s, 30s, 60s, 3min, 5min, 10min, 15min

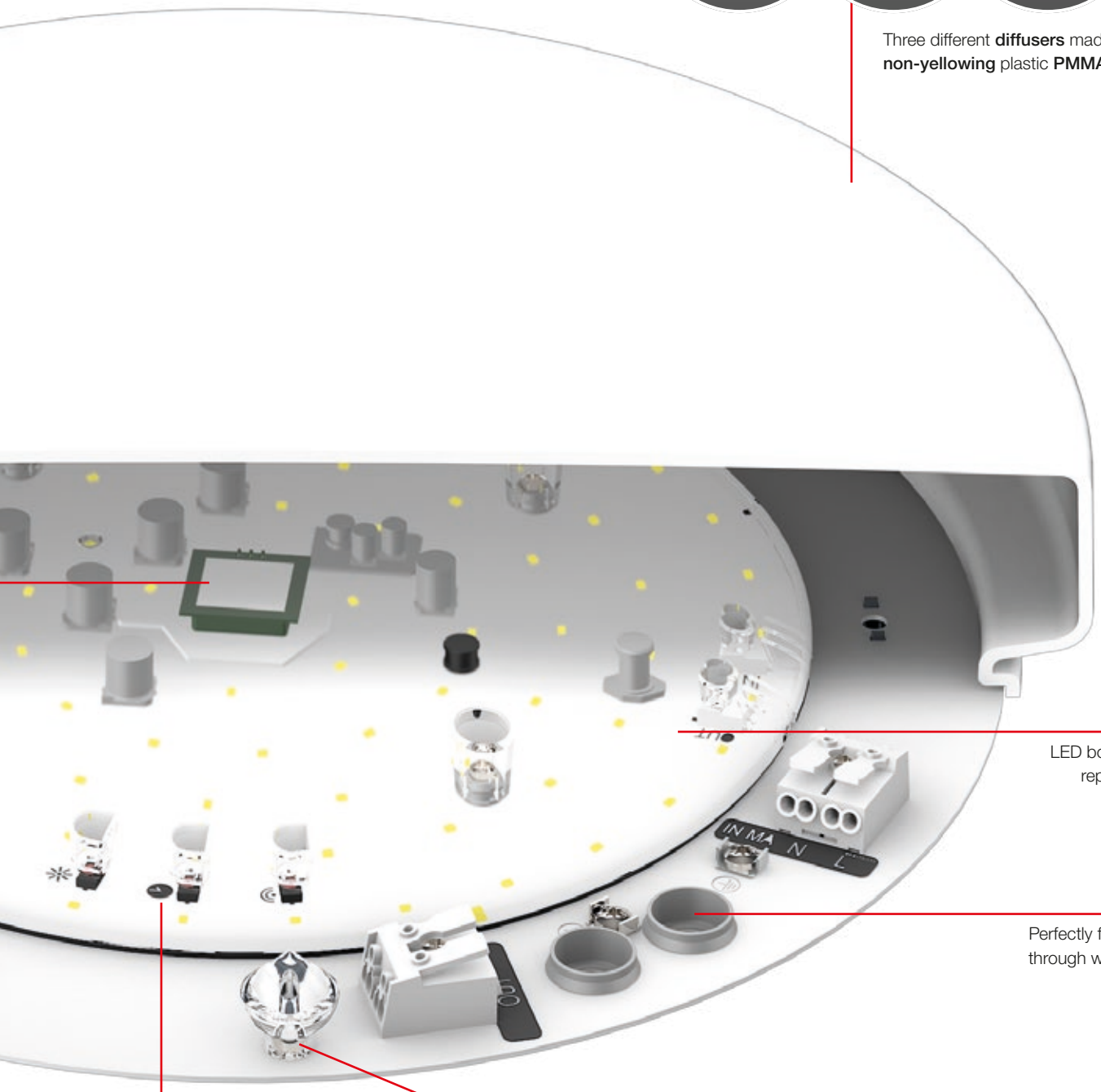
Touch DIM Sensor

TouchDim

TouchDim offers the simple option of cost-effective and efficient light control without any additional control device. TouchDim means the device can be operated via standard push button, whilst control is taken over by the DALI board.



Three different **diffusers** made of **non-yellowing** plastic **PMMA** or PC



LED board can be easily replaced at any time

Perfectly fit for through wiring

Easy adjustment of the following functions via three push button switches:

A Detection range 0.5 - 5 m radial (10 to 100% adjustable)

H Hold time 1s up to 15 min (in 8 different levels)

L Daylight detection with 5 brightness levels and learning mode

Thanks to the patented fastening technology the fitting can be opened and closed without any tools at any time

FLAT POLYMERO® KREIS

Everything at a glance



Diffusers made of **non-yellowing**
PMMA plastic or shockproof PC

Flat Polymero® Kreis Slim

Type of Protection: IP 40



D 300 mm
H 65 mm

Corridor Function | Touch DIM Sensor

D 360 mm
H 65 mm

Corridor Function | Touch DIM Sensor

D 460 mm
H 70 mm

Touch DIM Sensor

D 515 mm
H 70 mm

Touch DIM Sensor

Flat Polymero® Kreis

Type of Protection: IP 40



D 300 mm
H 80 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 360 mm
H 87 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 460 mm
H 93 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 515 mm
H 98 mm

Corridor Function | Touch DIM Sensor

Flat Polymero® Kreis XXL

Type of Protection: IP 40



D 1040 mm
H 150 mm

Flat Polymero® Kreis Sensation

Type of Protection: IP 44



D 1040 mm
H 150 mm

PMMA diffuser

RZB offers more than standard PMMA

PMMA also known as Plexiglas®:

- Robust and scratch-resistant - substitute for glass
- Transparency and shade similar to opal glass
- UV resistant (colour-true; no yellowing)
- Completely weathering resistant
- For 0-90 °C operating temperatures
- 92 percent light transmission (for 1 mm-thick Plexiglas®)
- Can be cleaned with tap water, soft soap or a pH neutral cleaning agent
- Can be disposed of without residual waste

PC diffuser

RZB offers more than standard polycarbonate high quality UV stabilized plastic - PC:

- Hard, stiff, shockproof, extremely high impact strength
- Transparency and shade similar to opal glass
- UV stabilized
- Largely weathering resistant
- Can be used at ambient temperatures ranging from -40° to +135°C
- 88 percent light transmission (for 1 mm-thick material)
- Can be cleaned with tap water



FLAT POLYMERO® KREIS SLIM

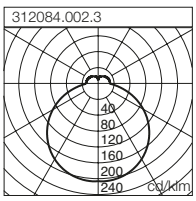
Ceiling and wall luminaires

- Featuring the new superflat diffuser, this luminaire rounds out our Flat Polymero® Kreis family
- Uniform lighting achieved by the use of LED panel boards
- Comprehensive range consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffusers
- PMMA diffuser:
  - sturdy, scratch resistant (substitute for glass)
  - UV-resistant (non-fade - no yellowing)
  - totally weatherproof
- PC diffuser:
  - hard, stiff, shatterproof, extremely shockproof
  - UV-stabilised
- With patented fastening technology
- Luminaire can be opened without tools
- LED exchangeable
- LED rated life 50,000 h (L70, B10)

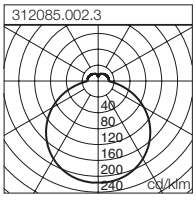


Further luminaires of this series, see:
Indoor lighting | Pendant luminaires
Indoor lighting | Fabric lampshade luminaires

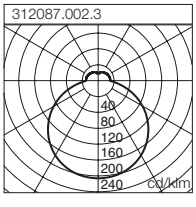
312084.002.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	9	12
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
9	13	21



312085.002.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	13

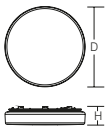


312087.002.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Polymero Kreis Slim





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
312084.002.1 *	D 300, H 65	LED (1)	830	1200 lm	13 W	on/off	A+
312084.002.1.76 **	D 300, H 65	LED (1)	830	1200 lm	13 W	DALI	A+
312084.002.3 *	D 300, H 65	LED (1)	840	1200 lm	13 W	on/off	A+
312084.002.3.76 **	D 300, H 65	LED (1)	840	1200 lm	13 W	DALI	A+
Diameter D 360 mm							
312085.002.1 .Q*	D 360, H 65	LED (1)	830	1900 lm	21 W	on/off	A+
312085.002.1.76 **	D 360, H 65	LED (1)	830	1900 lm	21 W	DALI	A+
312085.002.3 *	D 360, H 65	LED (1)	840	2000 lm	21 W	on/off	A+
312085.002.3.76 **	D 360, H 65	LED (1)	840	2000 lm	21 W	DALI	A+
Diameter D 460 mm							
312086.002.1 *	D 460, H 70	LED (1)	830	1900 lm	21 W	on/off	A+
312086.002.1.76 **	D 460, H 70	LED (1)	830	1900 lm	21 W	DALI	A+
312086.002.3 *	D 460, H 70	LED (1)	840	2000 lm	21 W	on/off	A+
312086.002.3.76 **	D 460, H 70	LED (1)	840	2000 lm	21 W	DALI	A+
312240.002.1 *	D 460, H 70	LED (1)	830	2600 lm	27 W	on/off	A+
312240.002.1.76 **	D 460, H 70	LED (1)	830	2600 lm	27 W	DALI	A+
312240.002.3 *	D 460, H 70	LED (1)	840	2750 lm	27 W	on/off	A+
312240.002.3.76 **	D 460, H 70	LED (1)	840	2750 lm	27 W	DALI	A+
Diameter D 515 mm							
312087.002.1	D 515, H 70	LED (1)	830	3100 lm	33 W	on/off	A+
312087.002.1.76 **	D 515, H 70	LED (1)	830	3100 lm	33 W	DALI	A+
312087.002.3	D 515, H 70	LED (1)	840	3200 lm	33 W	on/off	A+
312087.002.3.76 **	D 515, H 70	LED (1)	840	3100 lm	33 W	DALI	A+
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
312084.002.2 *	D 300, H 65	LED (1)	830	1300 lm	13 W	on/off	A+
312084.002.2.76 **	D 300, H 65	LED (1)	830	1300 lm	13 W	DALI	A+
312084.002.4 *	D 300, H 65	LED (1)	840	1300 lm	13 W	on/off	A+
312084.002.4.76 **	D 300, H 65	LED (1)	840	1300 lm	13 W	DALI	A+
Diameter D 360 mm							
312085.002.2 *	D 360, H 65	LED (1)	830	2000 lm	21 W	on/off	A+
312085.002.2.76 **	D 360, H 65	LED (1)	830	2000 lm	21 W	DALI	A+
312085.002.4 *	D 360, H 65	LED (1)	840	2050 lm	21 W	on/off	A+
312085.002.4.76 **	D 360, H 65	LED (1)	840	2050 lm	21 W	DALI	A+
Diameter D 460 mm							
312086.002.2 *	D 460, H 70	LED (1)	830	2000 lm	21 W	on/off	A+
312086.002.2.76 **	D 460, H 70	LED (1)	830	2000 lm	21 W	DALI	A+
312086.002.4 *	D 460, H 70	LED (1)	840	2100 lm	21 W	on/off	A+
312086.002.4.76 **	D 460, H 70	LED (1)	840	2100 lm	21 W	DALI	A+
312240.002.2 *	D 460, H 70	LED (1)	830	2850 lm	27 W	on/off	A+
312240.002.2.76 **	D 460, H 70	LED (1)	830	2850 lm	27 W	DALI	A+
312240.002.4 *	D 460, H 70	LED (1)	840	3000 lm	27 W	on/off	A+
312240.002.4.76 **	D 460, H 70	LED (1)	840	3000 lm	27 W	DALI	A+
Diameter D 515 mm							
312087.002.2	D 515, H 70	LED (1)	830	3400 lm	33 W	on/off	A+
312087.002.2.76 **	D 515, H 70	LED (1)	830	3400 lm	33 W	DALI	A+
312087.002.4	D 515, H 70	LED (1)	840	3500 lm	33 W	on/off	A+
312087.002.4.76 **	D 515, H 70	LED (1)	840	3500 lm	33 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			Price Category 13
08-312084.002	D 300, H 60	Plastic (PMMA)	
08-312084.012	D 300, H 60	Plastic (polycarbonate)	
08-312085.002	D 360, H 61	Plastic (PMMA)	
08-312085.012	D 360, H 61	Plastic (polycarbonate)	
08-312086.002	D 460, H 68	Plastic (PMMA)	
08-312086.012	D 460, H 68	Plastic (polycarbonate)	
08-312087.002	D 515, H 69	Plastic (PMMA)	
08-312087.012	D 515, H 69	Plastic (polycarbonate)	



Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)





Applies to versions with .19

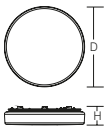
Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)



Ceiling and wall luminaires | Flat Polymero Kreis Slim with movement sensor



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

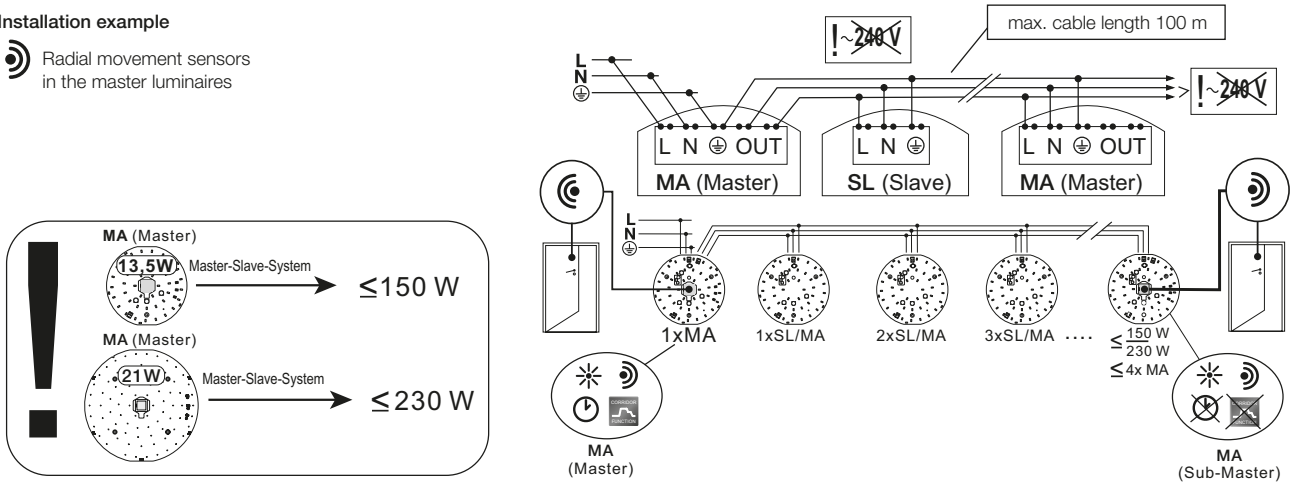
AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
Diameter D 300 mm								
312084.002.1.19	D 300, H 65	LED [1]	830	1200 lm	13 W	Master	on/off	A+
312084.002.1.191	D 300, H 65	LED [1]	830	1200 lm	13 W	Slave	on/off	A+
312084.002.3.19	D 300, H 65	LED [1]	840	1200 lm	13 W	Master	on/off	A+
312084.002.3.191	D 300, H 65	LED [1]	840	1200 lm	13 W	Slave	on/off	A+
Diameter D 360 mm								
312085.002.1.19	D 360, H 65	LED [1]	830	1900 lm	21 W	Master	on/off	A+
312085.002.1.191	D 360, H 65	LED [1]	830	1900 lm	21 W	Slave	on/off	A+
312085.002.3.19	D 360, H 65	LED [1]	840	2000 lm	21 W	Master	on/off	A+
312085.002.3.191	D 360, H 65	LED [1]	840	2000 lm	21 W	Slave	on/off	A+
Diffuser: plastic (polycarbonate)								
Diameter D 300 mm								
312084.002.2.19	D 300, H 65	LED [1]	830	1300 lm	13 W	Master	on/off	A+
312084.002.2.191	D 300, H 65	LED [1]	830	1300 lm	13 W	Slave	on/off	A+
312084.002.4.19	D 300, H 65	LED [1]	840	1300 lm	13 W	Master	on/off	A+
312084.002.4.191	D 300, H 65	LED [1]	840	1300 lm	13 W	Slave	on/off	A+
Diameter D 360 mm								
312085.002.2.19	D 360, H 65	LED [1]	830	2000 lm	21 W	Master	on/off	A+
312085.002.2.191	D 360, H 65	LED [1]	830	2000 lm	21 W	Slave	on/off	A+
312085.002.4.19	D 360, H 65	LED [1]	840	2050 lm	21 W	Master	on/off	A+
312085.002.4.191	D 360, H 65	LED [1]	840	2050 lm	21 W	Slave	on/off	A+

Replacement diffusers		**Price Category 13**
08-312084.002	D 300, H 60	Plastic (PMMA)
08-312084.012	D 300, H 60	Plastic (polycarbonate)
08-312085.002	D 360, H 61	Plastic (PMMA)
08-312085.012	D 360, H 61	Plastic (polycarbonate)

Installation example

Radial movement sensors in the master luminaires



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Fotostudio Lippmann

The application image shows:
Flat Polymero Kreis Slim

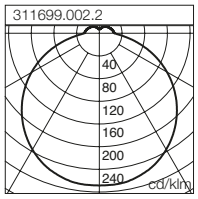


FLAT POLYMERO® KREIS

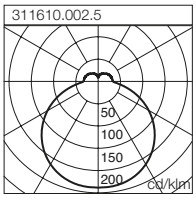
Ceiling and wall luminaires

- Comprehensive range consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- Can be used indoors or outdoors, depending on the type of protection
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffusers
- Individual design possible with foil print

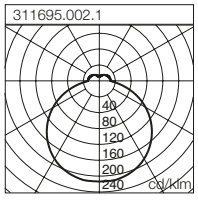
311699.002.2		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	1	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	3



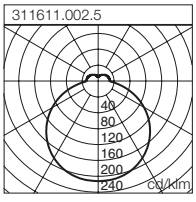
311610.002.5		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	7	10
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
7	10	17



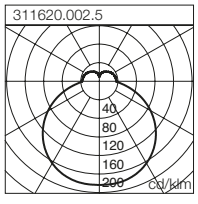
311695.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	1	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	3



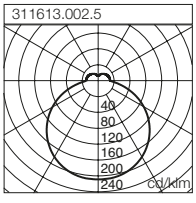
311611.002.5		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	13



311620.002.5		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	8	10
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
7	11	18



311613.002.5		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	10

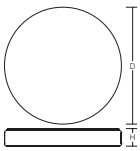




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Polymero Kreis XXL





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK07 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal or plastic (polycarbonate, ball impact proof in accordance with DIN 18032-3), opal. Diffuser fastening: sash lock.

Available colour: 2 = white

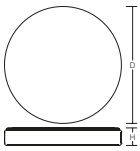
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm							
311695.002	D 1040, H 150	LED	830	9600 lm	100 W	on/off	A++
311695.002.76	D 1040, H 150	LED	830	9600 lm	100 W	DALI	A++
311695.002.1	D 1040, H 150	LED	840	10400 lm	100 W	on/off	A++
311695.002.1.76	D 1040, H 150	LED	840	10400 lm	100 W	DALI	A++
Diffuser: plastic (polycarbonate) D 1040 mm, ball impact proof in accordance with DIN 18032-03							
311695.002.2	D 1040, H 150	LED	830	10400 lm	100 W	on/off	A++
311695.002.2.76	D 1040, H 150	LED	830	10400 lm	100 W	DALI	A++
311695.002.3	D 1040, H 150	LED	840	11300 lm	100 W	on/off	A++
311695.002.3.76	D 1040, H 150	LED	840	11300 lm	100 W	DALI	A++

Replacement diffusers			Price Category 13
08-311292.002	D 1040, H 150	Plastic (PMMA)	
08-311292.012	D 1040, H 150	Plastic (polycarbonate)	

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)

Ceiling and wall luminaires | Flat Polymero Sensation Kreis





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK07 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal or plastic (polycarbonate, ball impact proof in accordance with DIN 18032-3), opal. Diffuser fastening: sash lock.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm							
311699.002	D 1040, H 150	LED	830	9600 lm	100 W	on/off	A++
311699.002.76	D 1040, H 150	LED	830	9600 lm	100 W	DALI	A++
311699.002.1	D 1040, H 150	LED	840	10400 lm	100 W	on/off	A++
311699.002.1.76	D 1040, H 150	LED	840	10400 lm	100 W	DALI	A++
Diffuser: plastic (polycarbonate) D 1040 mm, ball impact proof in accordance with DIN 18032-03							
311699.002.2	D 1040, H 150	LED	830	10400 lm	100 W	on/off	A++
311699.002.2.76	D 1040, H 150	LED	830	10400 lm	100 W	DALI	A++
311699.002.3	D 1040, H 150	LED	840	11300 lm	100 W	on/off	A++
311699.002.3.76	D 1040, H 150	LED	840	11300 lm	100 W	DALI	A++

Replacement diffusers			Price Category 13
08-311292.002	D 1040, H 150	Plastic (PMMA)	
08-311292.012	D 1040, H 150	Plastic (polycarbonate)	

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 10 / 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

LED 19 / 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 24 / 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)



With individual LEDs and separate converter - ideal for use in emergency lighting modules

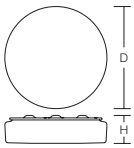
LED rated life 50,000 hrs (L80, B10)



LED [1] = with mains voltage boards also available for DALI control and with movement sensor (master and slave)

LED rated life 50,000 hrs (L70, B10)

Ceiling and wall luminaires | Flat Polymero Kreis



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 11**
Diffuser: plastic (PMMA)								
Diameter D 300 mm								
311619.002.7	D 300, H 80	LED	830	1050 lm	10 W	on/off		A++
311619.002.7.76	D 300, H 80	LED	830	1050 lm	10 W	DALI		A++
311619.002.5	D 300, H 80	LED	840	1050 lm	10 W	on/off		A++
311619.002.5.76	D 300, H 80	LED	840	1050 lm	10 W	DALI		A++
311949.002.1 *	D 300, H 80	LED [1]	830	1200 lm	13 W	on/off		A+
311949.002.1.76 **	D 300, H 80	LED [1]	830	1200 lm	13 W	DALI		A+
311949.002.3 *	D 300, H 80	LED [1]	840	1250 lm	13 W	on/off		A+
311949.002.3.76 **	D 300, H 80	LED [1]	840	1250 lm	13 W	DALI		A+
311620.002.7	D 300, H 80	LED	830	1500 lm	14 W	on/off		A++
311620.002.7.76	D 300, H 80	LED	830	1500 lm	14 W	DALI		A++
311620.002.5	D 300, H 80	LED	840	1500 lm	14 W	on/off		A++
311620.002.5.76	D 300, H 80	LED	840	1500 lm	14 W	DALI		A++
Diameter D 360 mm								
311950.002.1 *	D 360, H 87	LED [1]	830	1200 lm	13 W	on/off	✓	A+
311950.002.1.76 **	D 360, H 87	LED [1]	830	1200 lm	13 W	DALI		A+
311950.002.3 *	D 360, H 87	LED [1]	840	1250 lm	13 W	on/off	✓	A+
311950.002.3.76 **	D 360, H 87	LED [1]	840	1250 lm	13 W	DALI		A+
311610.002.7	D 360, H 87	LED	830	1600 lm	14 W	on/off	✓	A++
311610.002.7.76	D 360, H 87	LED	830	1600 lm	14 W	DALI		A++
311610.002.5	D 360, H 87	LED	840	1600 lm	14 W	on/off	✓	A++
311610.002.5.76	D 360, H 87	LED	840	1600 lm	14 W	DALI		A++
311951.002.1 *	D 360, H 87	LED [1]	830	1950 lm	21 W	on/off		A+
311951.002.1.76 **	D 360, H 87	LED [1]	830	1950 lm	21 W	DALI		A+
311951.002.3 *	D 360, H 87	LED [1]	840	2000 lm	21 W	on/off		A+
311951.002.3.76 **	D 360, H 87	LED [1]	840	2000 lm	21 W	DALI		A+
Diameter D 460 mm								
311611.002.7	D 460, H 93	LED	830	2050 lm	19 W	on/off	✓	A++
311611.002.7.76	D 460, H 93	LED	830	2050 lm	19 W	DALI		A++
311611.002.5	D 460, H 93	LED	840	2050 lm	19 W	on/off	✓	A++
311611.002.5.76	D 460, H 93	LED	840	2050 lm	19 W	DALI		A++
311952.002.1 *	D 460, H 93	LED [1]	830	1850 lm	21 W	on/off		A+
311952.002.1.76 **	D 460, H 93	LED [1]	830	1850 lm	21 W	DALI		A+
311952.002.3 *	D 460, H 93	LED [1]	840	1950 lm	21 W	on/off		A+
311952.002.3.76 **	D 460, H 93	LED [1]	840	1950 lm	21 W	DALI		A+
312242.002.1 *	D 460, H 93	LED [1]	830	2750 lm	27 W	on/off		A+
312242.002.1.76 **	D 460, H 93	LED [1]	830	2750 lm	27 W	DALI		A+
312242.002.3 *	D 460, H 93	LED [1]	840	2900 lm	27 W	on/off		A+
312242.002.3.76 **	D 460, H 93	LED [1]	840	2900 lm	27 W	DALI		A+
Diameter D 515 mm								
311613.002.7	D 515, H 98	LED	830	2550 lm	24 W	on/off		A++
311613.002.7.76	D 515, H 98	LED	830	2550 lm	24 W	DALI		A++
311613.002.5	D 515, H 98	LED	840	2550 lm	24 W	on/off		A++
311613.002.5.76	D 515, H 98	LED	840	2550 lm	24 W	DALI		A++
312088.002.1 *	D 515, H 98	LED [1]	830	3200 lm	33 W	on/off		A+
312088.002.1.76 **	D 515, H 98	LED [1]	830	3200 lm	33 W	DALI		A+
312088.002.3 *	D 515, H 98	LED [1]	840	3200 lm	33 W	on/off		A+
312088.002.3.76 **	D 515, H 98	LED [1]	840	3200 lm	33 W	DALI		A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			**Price Category 13**
08-311616.002	D 300, H 75	Plastic (PMMA)	
08-311595.002	D 360, H 81	Plastic (PMMA)	
08-311600.002	D 460, H 88	Plastic (PMMA)	
08-311604.002	D 515, H 93	Plastic (PMMA)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311619.002.8	D 300, H 80	LED	830	1100 lm	10 W	on/off	A++
311619.002.8.76	D 300, H 80	LED	830	1100 lm	10 W	DALI	A++
311619.002.6	D 300, H 80	LED	840	1100 lm	10 W	on/off	A++
311619.002.6.76	D 300, H 80	LED	840	1100 lm	10 W	DALI	A++
311949.002.2 *	D 300, H 80	LED (1)	830	1200 lm	13 W	on/off	A+
311949.002.2.76 **	D 300, H 80	LED (1)	830	1200 lm	13 W	DALI	A+
311949.002.4 *	D 300, H 80	LED (1)	840	1300 lm	13 W	on/off	A+
311949.002.4.76 **	D 300, H 80	LED (1)	840	1300 lm	13 W	DALI	A+
311620.002.8	D 300, H 80	LED	830	1550 lm	14 W	on/off	A++
311620.002.8.76	D 300, H 80	LED	830	1550 lm	14 W	DALI	A++
311620.002.6	D 300, H 80	LED	840	1550 lm	14 W	on/off	A++
311620.002.6.76	D 300, H 80	LED	840	1550 lm	14 W	DALI	A++
Diameter D 360 mm							
311950.002.2 *	D 360, H 87	LED (1)	830	1200 lm	13 W	on/off	A+
311950.002.2.76 **	D 360, H 87	LED (1)	830	1200 lm	13 W	DALI	A+
311950.002.4 *	D 360, H 87	LED (1)	840	1300 lm	13 W	on/off	A+
311950.002.4.76 **	D 360, H 87	LED (1)	840	1300 lm	13 W	DALI	A+
311610.002.8	D 360, H 87	LED	830	1650 lm	14 W	on/off	A++
311610.002.8.76	D 360, H 87	LED	830	1650 lm	14 W	DALI	A++
311610.002.6	D 360, H 87	LED	840	1650 lm	14 W	on/off	A++
311610.002.6.76	D 360, H 87	LED	840	1650 lm	14 W	DALI	A++
311951.002.2 *	D 360, H 87	LED (1)	830	2000 lm	21 W	on/off	A+
311951.002.2.76 **	D 360, H 87	LED (1)	830	2000 lm	21 W	DALI	A+
311951.002.4 *	D 360, H 87	LED (1)	840	2150 lm	21 W	on/off	A+
311951.002.4.76 **	D 360, H 87	LED (1)	840	2150 lm	21 W	DALI	A+
Diameter D 460 mm							
311611.002.8	D 460, H 93	LED	830	2100 lm	19 W	on/off	A++
311611.002.8.76	D 460, H 93	LED	830	2100 lm	19 W	DALI	A++
311611.002.6	D 460, H 93	LED	840	2100 lm	19 W	on/off	A++
311611.002.6.76	D 460, H 93	LED	840	2100 lm	19 W	DALI	A++
311952.002.2 *	D 460, H 93	LED (1)	830	2000 lm	21 W	on/off	A+
311952.002.2.76 **	D 460, H 93	LED (1)	830	2000 lm	21 W	DALI	A+
311952.002.4 *	D 460, H 93	LED (1)	840	2050 lm	21 W	on/off	A+
311952.002.4.76 **	D 460, H 93	LED (1)	840	2050 lm	21 W	DALI	A+
312242.002.2 *	D 460, H 93	LED (1)	830	3000 lm	27 W	on/off	A+
312242.002.2.76 **	D 460, H 93	LED (1)	830	3000 lm	27 W	DALI	A+
312242.002.4 *	D 460, H 93	LED (1)	840	3050 lm	27 W	on/off	A+
312242.002.4.76 **	D 460, H 93	LED (1)	840	3050 lm	27 W	DALI	A+
Diameter D 515 mm							
311613.002.8	D 515, H 98	LED	830	2650 lm	24 W	on/off	A++
311613.002.8.76	D 515, H 98	LED	830	2650 lm	24 W	DALI	A++
311613.002.6	D 515, H 98	LED	840	2650 lm	24 W	on/off	A++
311613.002.6.76	D 515, H 98	LED	840	2650 lm	24 W	DALI	A++
312088.002.2	D 515, H 98	LED (1)	830	3400 lm	33 W	on/off	A+
312088.002.2.76 **	D 515, H 98	LED (1)	830	3400 lm	33 W	DALI	A+
312088.002.4	D 515, H 98	LED (1)	840	3400 lm	33 W	on/off	A+
312088.002.4.76 **	D 515, H 98	LED (1)	840	3400 lm	33 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			Price Category 13
08-311616.012	D 300, H 75	Plastic (polycarbonate)	
08-311595.012	D 360, H 81	Plastic (polycarbonate)	
08-311600.012	D 460, H 88	Plastic (polycarbonate)	
08-311604.012	D 515, H 93	Plastic (polycarbonate)	



Comparison
LED vs. conventional lamps

LED 10 / 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

LED 19 / 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 24 / 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)



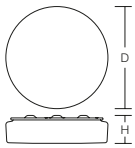
Comparison
LED vs. conventional lamps

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

LED 19 W ≈
2 x 26 W TC-D (68 W CB)



Ceiling and wall luminaires | Flat Polymero Kreis with movement sensor



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of approx. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter (20-100%), adjustable
- Time control between 10 seconds and 30 minutes, adjustable
- Detection angle: 120°
- Can be used as master luminaire up to 800 W (ohmic load) 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

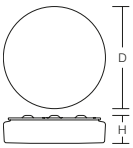
Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
Diameter D 300 mm								
311620.002.7.19	D 300, H 80	LED	830	1500 lm	14 W	on/off		A++
311620.002.5.19	D 300, H 80	LED	840	1500 lm	14 W	on/off		A++
Diameter D 360 mm								
311610.002.7.19	D 360, H 87	LED	830	1600 lm	14 W	on/off	✓	A++
311610.002.5.19	D 360, H 87	LED	840	1600 lm	14 W	on/off		A++
Diameter D 460 mm								
311611.002.7.19	D 460, H 93	LED	830	2050 lm	19 W	on/off		A++
311611.002.5.19	D 460, H 93	LED	840	2050 lm	19 W	on/off		A++
Diameter D 515 mm								
311612.002.7.19	D 515, H 98	LED	830	2100 lm	19 W	on/off		A++
311612.002.5.19	D 515, H 98	LED	840	2100 lm	19 W	on/off		A++
Diffuser: plastic (polycarbonate)								
Diameter D 300 mm								
311620.002.8.19	D 300, H 80	LED	830	1550 lm	14 W	on/off		A++
311620.002.6.19	D 300, H 80	LED	840	1550 lm	14 W	on/off		A++
Diameter D 360 mm								
311610.002.8.19	D 360, H 87	LED	830	1650 lm	14 W	on/off		A++
311610.002.6.19	D 360, H 87	LED	840	1650 lm	14 W	on/off		A++
Diameter D 460 mm								
311611.002.8.19	D 460, H 93	LED	830	2100 lm	19 W	on/off		A++
311611.002.6.19	D 460, H 93	LED	840	2100 lm	19 W	on/off		A++
Diameter D 515 mm								
311612.002.8.19	D 515, H 98	LED	830	2150 lm	19 W	on/off		A++
311612.002.6.19	D 515, H 98	LED	840	2150 lm	19 W	on/off		A++

Replacement diffusers			**Price Category 13**
08-311616.002	D 300, H 75	Plastic (PMMA)	
08-311616.012	D 300, H 75	Plastic (polycarbonate)	
08-311595.002	D 360, H 81	Plastic (PMMA)	
08-311595.012	D 360, H 81	Plastic (polycarbonate)	
08-311600.002	D 460, H 88	Plastic (PMMA)	
08-311600.012	D 460, H 88	Plastic (polycarbonate)	
08-311604.002	D 515, H 93	Plastic (PMMA)	
08-311604.012	D 515, H 93	Plastic (polycarbonate)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Flat Polymero Kreis with movement sensor





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Applies to versions with .19

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

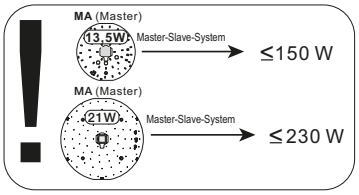
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
Diameter D 300 mm								
311949.002.1.19	D 300, H 80	LED (1)	830	1200 lm	13 W	Master	on/off	A+
311949.002.1.191	D 300, H 80	LED (1)	830	1200 lm	13 W	Slave	on/off	A+
311949.002.3.19	D 300, H 80	LED (1)	840	1250 lm	13 W	Master	on/off	A+
311949.002.3.191	D 300, H 80	LED (1)	840	1250 lm	13 W	Slave	on/off	A+
Diameter D 360 mm								
311950.002.1.19	D 360, H 87	LED (1)	830	1200 lm	13 W	Master	on/off	A+
311950.002.1.191	D 360, H 87	LED (1)	830	1200 lm	13 W	Slave	on/off	A+
311950.002.3.19	D 360, H 87	LED (1)	840	1250 lm	13 W	Master	on/off	A+
311950.002.3.191	D 360, H 87	LED (1)	840	1250 lm	13 W	Slave	on/off	A+
311951.002.1.19	D 360, H 87	LED (1)	830	1950 lm	21 W	Master	on/off	A+
311951.002.1.191	D 360, H 87	LED (1)	830	1950 lm	21 W	Slave	on/off	A+
311951.002.3.19	D 360, H 87	LED (1)	840	2000 lm	21 W	Master	on/off	A+
311951.002.3.191	D 360, H 87	LED (1)	840	2000 lm	21 W	Slave	on/off	A+
Diffuser: plastic (polycarbonate)								
Diameter D 300 mm								
311949.002.2.19	D 300, H 80	LED (1)	830	1200 lm	13 W	Master	on/off	A+
311949.002.2.191	D 300, H 80	LED (1)	830	1200 lm	13 W	Slave	on/off	A+
311949.002.4.19	D 300, H 80	LED (1)	840	1300 lm	13 W	Master	on/off	A+
311949.002.4.191	D 300, H 80	LED (1)	840	1300 lm	13 W	Slave	on/off	A+
Diameter D 360 mm								
311950.002.2.19	D 360, H 87	LED (1)	830	1200 lm	13 W	Master	on/off	A+
311950.002.2.191	D 360, H 87	LED (1)	830	1200 lm	13 W	Slave	on/off	A+
311950.002.4.19	D 360, H 87	LED (1)	840	1300 lm	13 W	Master	on/off	A+
311950.002.4.191	D 360, H 87	LED (1)	840	1300 lm	13 W	Slave	on/off	A+
311951.002.2.19	D 360, H 87	LED (1)	830	2000 lm	21 W	Master	on/off	A+
311951.002.2.191	D 360, H 87	LED (1)	830	2000 lm	21 W	Slave	on/off	A+
311951.002.4.19	D 360, H 87	LED (1)	840	2150 lm	21 W	Master	on/off	A+
311951.002.4.191	D 360, H 87	LED (1)	840	2150 lm	21 W	Slave	on/off	A+

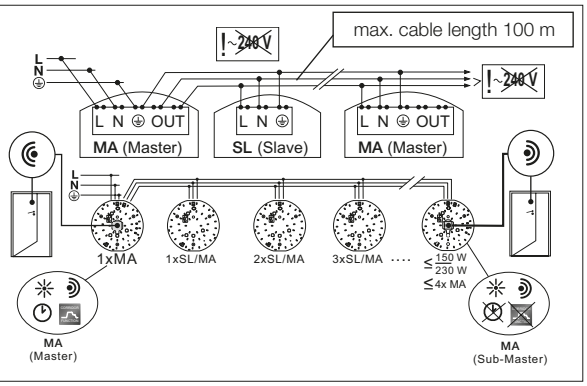


Replacement diffusers			**Price Category 13**
08-311616.002	D 300, H 75	Plastic (PMMA)	
08-311616.012	D 300, H 75	Plastic (polycarbonate)	
08-311595.002	D 360, H 81	Plastic (PMMA)	
08-311595.012	D 360, H 81	Plastic (polycarbonate)	

Installation example

Radial movement sensors in the master luminaires





FLAT POLYMERO®

Everything at a glance

Diffusers made of **non-yellowing**
PMMA plastic or shockproof PC

Flat Polymero®

Type of Protection: IP 40



D 300 mm
H 100 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 360 mm
H 100 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 460 mm
H 120 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 515 mm
H 150 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 620 mm
H 160 mm

Corridor Function | Touch DIM Sensor

Flat Polymero® IP 44

Type of Protection: IP 43 ceiling mounting
IP 44 wall mounting

Also for E27



D 305 mm
H 115 mm

Corridor Function | Touch DIM Sensor | Phase-cut

D 420 mm
H 150 mm

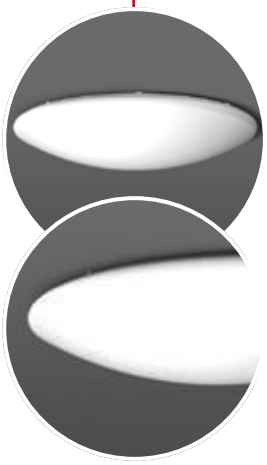
Corridor Function | Touch DIM Sensor | Phase-cut

D 580 mm
H 160 mm

Corridor Function | Touch DIM Sensor

Flat Polymero® XXL
Flat Polymero® Super XXL

Type of Protection: IP 40

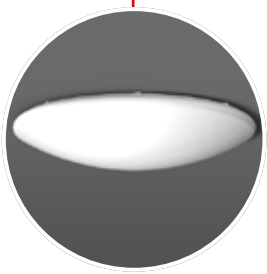


D 1040 mm
H 230 mm

D 1700 mm
H 300 mm

Flat Polymero® Sensation XXL

Type of Protection: IP 44



D 1040 mm
H 230 mm

PMMA diffuser

RZB offers more than standard PMMA

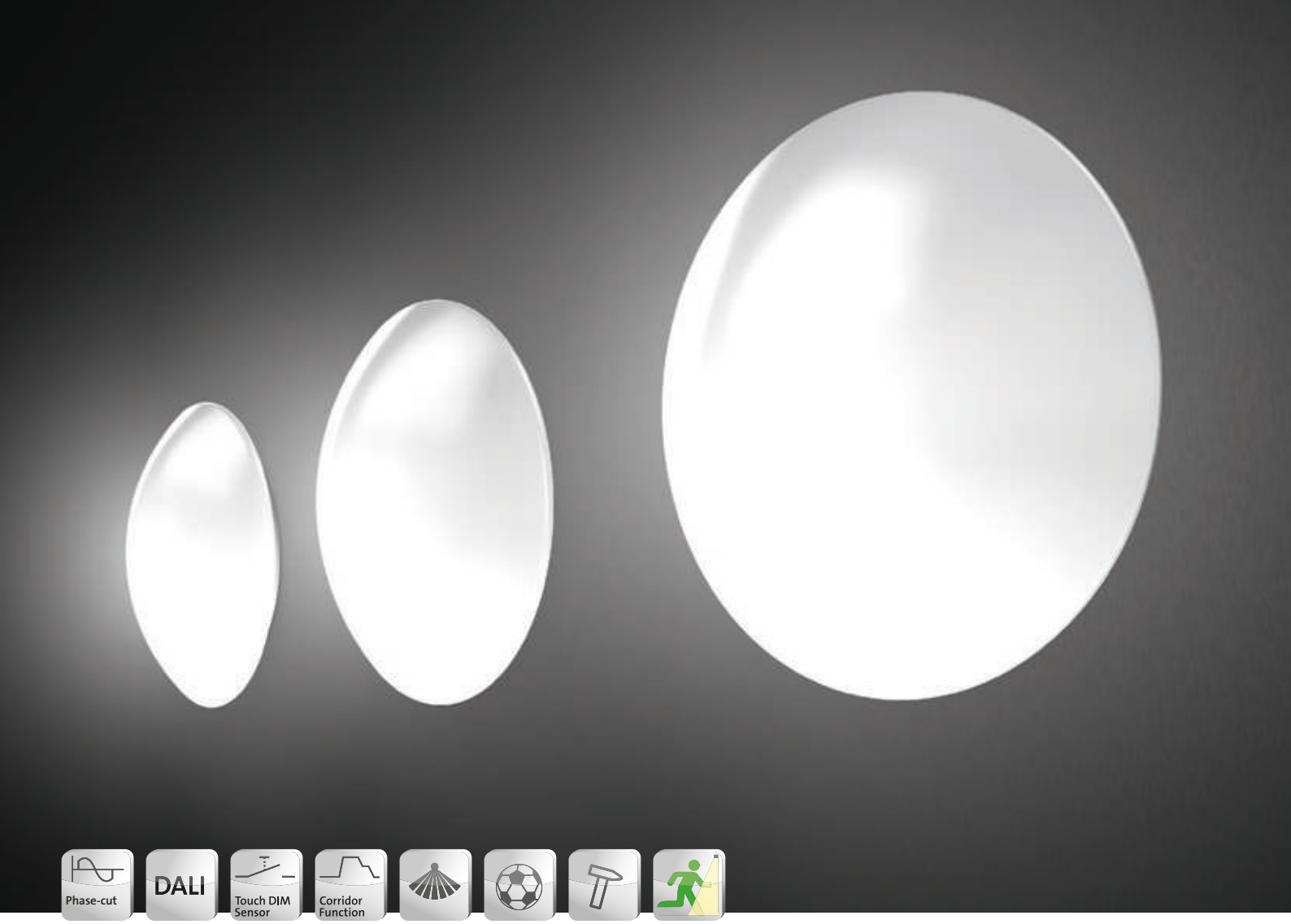
PMMA also known as Plexiglas®:

- Robust and scratch-resistant - substitute for glass
- Transparency and shade similar to opal glass
- UV resistant (colour-true; no yellowing)
- Completely weathering resistant
- For 0–90 °C operating temperatures
- 92 percent light transmission (for 1 mm-thick Plexiglas®)
- Can be cleaned with tap water, soft soap or a pH neutral cleaning agent
- Can be disposed of without residual waste

PC diffuser

RZB offers more than standard polycarbonate high quality UV stabilized plastic - PC:

- Hard, stiff, shockproof, extremely high impact strength
- Transparency and shade similar to opal glass
- UV stabilized
- Largely weathering resistant
- Can be used at ambient temperatures ranging from -40° to +135°C
- 88 percent light transmission (for 1 mm-thick material)
- Can be cleaned with tap water



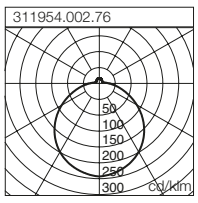
FLAT POLYMERO®

Ceiling and wall luminaires

- A mega series of unmatched versatility
- Available as ceiling, wall or pendant luminaire with diameters from 300 to 1700 mm
- High protection type versions allow for outdoor applications; since it is proof against dust and insects - this luminaire is ideal for hard-to-access installations
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffusers
- Numerous customized solutions are available on demand

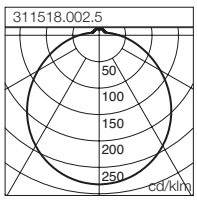
311954.002.76

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	1	1
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	1	2



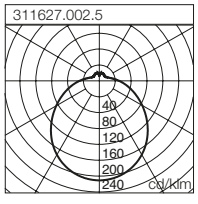
311518.002.5

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	12



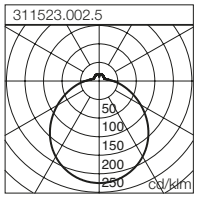
311627.002.5

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	8	11
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	11	18



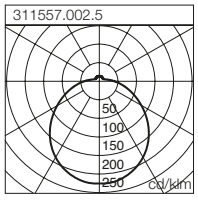
311523.002.5

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	8	10
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
7	11	18



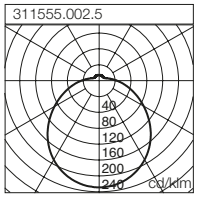
311557.002.5

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



311555.002.5

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	10

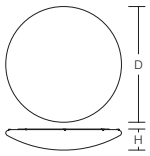




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Polymero Super XXL





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK07

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal. Diffuser fastening: sash lock.

Weight: 47 kg

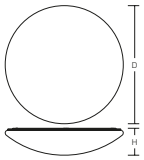
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1700 mm							
311954.002.76	D 1700, H 300	LED	830	20200 lm	280 W	DALI	A++
311954.002.1.76	D 1700, H 300	LED	840	22100 lm	280 W	DALI	A++
Replacement diffusers							**Price Category 13**
08-311270.002	D 1700, H 300	Plastic (PMMA)					

Comparison
LED vs. conventional lamps

LED 280 W ≈
12 x 36 W TC-L (468 W CB)

Ceiling and wall luminaires | Flat Polymero XXL





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK07 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal or plastic (polycarbonate, ball impact proof in accordance with DIN 18032-3), opal. Diffuser fastening: sash lock.

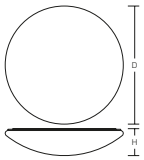
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm							
311694.002	D 1040, H 230	LED	830	9450 lm	100 W	on/off	A++
311694.002.76	D 1040, H 230	LED	830	9450 lm	100 W	DALI	A++
311694.002.1	D 1040, H 230	LED	840	10300 lm	100 W	on/off	A++
311694.002.1.76	D 1040, H 230	LED	840	10300 lm	100 W	DALI	A++
Diffuser: plastic (polycarbonate) D 1040 mm, ball impact proof in accordance with DIN 18032-03							
311694.002.2	D 1040, H 230	LED	830	10000 lm	100 W	on/off	A++
311694.002.2.76	D 1040, H 230	LED	830	10000 lm	100 W	DALI	A++
311694.002.3	D 1040, H 230	LED	840	10900 lm	100 W	on/off	A++
311694.002.3.76	D 1040, H 230	LED	840	10900 lm	100 W	DALI	A++
Replacement diffusers							**Price Category 13**
08-311183.022	D 1040, H 230	Plastic (PMMA)					
08-311183.032	D 1040, H 230	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)

Ceiling and wall luminaires | Flat Polymero Sensation XXL





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK07 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal or plastic (polycarbonate, ball impact proof in accordance with DIN 18032-3), opal. Diffuser fastening: sash lock.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm							
311698.002	D 1040, H 230	LED	830	9450 lm	100 W	on/off	A++
311698.002.76	D 1040, H 230	LED	830	9450 lm	100 W	DALI	A++
311698.002.1	D 1040, H 230	LED	840	10300 lm	100 W	on/off	A++
311698.002.1.76	D 1040, H 230	LED	840	10300 lm	100 W	DALI	A++
Diffuser: plastic (polycarbonate) D 1040 mm, ball impact proof in accordance with DIN 18032-03							
311698.002.2	D 1040, H 230	LED	830	10000 lm	100 W	on/off	A++
311698.002.2.76	D 1040, H 230	LED	830	10000 lm	100 W	DALI	A++
311698.002.3	D 1040, H 230	LED	840	10900 lm	100 W	on/off	A++
311698.002.3.76	D 1040, H 230	LED	840	10900 lm	100 W	DALI	A++
Replacement diffusers							**Price Category 13**
08-311183.022	D 1040, H 230	Plastic (PMMA)					
08-311183.032	D 1040, H 230	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 10 / 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

LED 19 / 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 24 / 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

LED 38 W ≈
4 x 26 W TC-D (136 W CB)



With individual LEDs and separate converter - ideal for use in emergency lighting modules

LED rated life 50,000 hrs (L80, B10)



LED [1] = with mains voltage boards also available for DALI control and with movement sensor (master and slave)

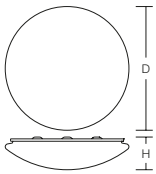
LED rated life 50,000 hrs (L70, B10)

Ceiling and wall luminaires | Flat Polymero

Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 11**
Diffuser: plastic (PMMA)								
Diameter D 300 mm								
311626.002.7	D 300, H 100	LED	830	1050 lm	10 W	on/off		A++
311626.002.7.76	D 300, H 100	LED	830	1050 lm	10 W	DALI		A++
311626.002.5	D 300, H 100	LED	840	1050 lm	10 W	on/off		A++
311626.002.5.76	D 300, H 100	LED	840	1050 lm	10 W	DALI		A++
311943.002.1 *	D 300, H 100	LED [1]	830	1150 lm	13 W	on/off		A+
311943.002.1.76 **	D 300, H 100	LED [1]	830	1150 lm	13 W	DALI		A+
311943.002.3 *	D 300, H 100	LED [1]	840	1200 lm	13 W	on/off		A+
311943.002.3.76 **	D 300, H 100	LED [1]	840	1200 lm	13 W	DALI		A+
311627.002.7	D 300, H 100	LED	830	1450 lm	14 W	on/off		A++
311627.002.7.76	D 300, H 100	LED	830	1450 lm	14 W	DALI		A++
311627.002.5	D 300, H 100	LED	840	1450 lm	14 W	on/off		A++
311627.002.5.76	D 300, H 100	LED	840	1450 lm	14 W	DALI		A++
Diameter D 360 mm								
311945.002.1 .Q*	D 360, H 100	LED [1]	830	1150 lm	13 W	on/off	✓	A+
311945.002.1.76 **	D 360, H 100	LED [1]	830	1150 lm	13 W	DALI		A+
311945.002.3 *	D 360, H 100	LED [1]	840	1200 lm	13 W	on/off	✓	A+
311945.002.3.76 **	D 360, H 100	LED [1]	840	1200 lm	13 W	DALI		A+
311523.002.7 .Q	D 360, H 100	LED	830	1450 lm	14 W	on/off	✓	A++
311523.002.7.76	D 360, H 100	LED	830	1450 lm	14 W	DALI		A++
311523.002.5 .Q	D 360, H 100	LED	840	1450 lm	14 W	on/off	✓	A++
311523.002.5.76	D 360, H 100	LED	840	1450 lm	14 W	DALI		A++
311946.002.1 .Q*	D 360, H 100	LED [1]	830	1850 lm	21 W	on/off	✓	A+
311946.002.1.76 **	D 360, H 100	LED [1]	830	1850 lm	21 W	DALI		A+
311946.002.3 *	D 360, H 100	LED [1]	840	1950 lm	21 W	on/off	✓	A+
311946.002.3.76 **	D 360, H 100	LED [1]	840	1950 lm	21 W	DALI		A+
Diameter D 460 mm								
311518.002.7 .Q	D 460, H 120	LED	830	2100 lm	19 W	on/off	✓	A++
311518.002.7.76	D 460, H 120	LED	830	2100 lm	19 W	DALI		A++
311518.002.5 .Q	D 460, H 120	LED	840	2100 lm	19 W	on/off	✓	A++
311518.002.5.76	D 460, H 120	LED	840	2100 lm	19 W	DALI		A++
311947.002.1 *	D 460, H 120	LED [1]	830	1950 lm	21 W	on/off		A+
311947.002.1.76 **	D 460, H 120	LED [1]	830	1950 lm	21 W	DALI		A+
311947.002.3 *	D 460, H 120	LED [1]	840	2050 lm	21 W	on/off		A+
311947.002.3.76 **	D 460, H 120	LED [1]	840	2050 lm	21 W	DALI		A+
312244.002.1 *	D 460, H 120	LED [1]	830	2750 lm	27 W	on/off		A+
312244.002.1.76 **	D 460, H 120	LED [1]	830	2750 lm	27 W	DALI		A+
312244.002.3 *	D 460, H 120	LED [1]	840	2850 lm	27 W	on/off		A+
312244.002.3.76 **	D 460, H 120	LED [1]	840	2850 lm	27 W	DALI		A+
Diameter D 515 mm								
311555.002.7	D 515, H 150	LED	830	2600 lm	24 W	on/off	✓	A++
311555.002.7.76	D 515, H 150	LED	830	2600 lm	24 W	DALI		A++
311555.002.5	D 515, H 150	LED	840	2600 lm	24 W	on/off	✓	A++
311555.002.5.76	D 515, H 150	LED	840	2600 lm	24 W	DALI		A++
312092.002.1	D 515, H 150	LED [1]	830	3200 lm	33 W	on/off		A+
312092.002.1.76 **	D 515, H 150	LED [1]	830	3200 lm	33 W	DALI		A+
312092.002.3	D 515, H 150	LED [1]	840	3200 lm	33 W	on/off		A+
312092.002.3.76 **	D 515, H 150	LED [1]	840	3200 lm	33 W	DALI		A+
Diameter D 620 mm								
312096.002.1	D 620, H 160	LED [1]	830	3200 lm	33 W	on/off		A+
312096.002.1.76 **	D 620, H 160	LED [1]	830	3200 lm	33 W	DALI		A+
312096.002.3	D 620, H 160	LED [1]	840	3200 lm	33 W	on/off		A+
312096.002.3.76 **	D 620, H 160	LED [1]	840	3200 lm	33 W	DALI		A+
311557.002.7	D 620, H 160	LED	830	4050 lm	38 W	on/off	✓	A++
311557.002.7.76	D 620, H 160	LED	830	4050 lm	38 W	DALI		A++
311557.002.5	D 620, H 160	LED	840	4050 lm	38 W	on/off	✓	A++
311557.002.5.76	D 620, H 160	LED	840	4050 lm	38 W	DALI		A++

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			**Price Category 13**
08-311623.002	D 300, H 90	Plastic (PMMA)	
08-311161.012	D 360, H 88	Plastic (PMMA)	
08-311165.012	D 460, H 113	Plastic (PMMA)	
08-311170.012	D 515, H 137	Plastic (PMMA)	
08-311173.012	D 620, H 150	Plastic (PMMA)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311626.002.8	D 300, H 100	LED	830	1100 lm	10 W	on/off	A++
311626.002.8.76	D 300, H 100	LED	830	1100 lm	10 W	DALI	A++
311626.002.6	D 300, H 100	LED	840	1100 lm	10 W	on/off	A++
311626.002.6.76	D 300, H 100	LED	840	1100 lm	10 W	DALI	A++
311943.002.2 *	D 300, H 100	LED [1]	830	1150 lm	13 W	on/off	A+
311943.002.2.76 **	D 300, H 100	LED [1]	830	1150 lm	13 W	DALI	A+
311943.002.4 *	D 300, H 100	LED [1]	840	1200 lm	13 W	on/off	A+
311943.002.4.76 **	D 300, H 100	LED [1]	840	1200 lm	13 W	DALI	A+
311627.002.8	D 300, H 100	LED	830	1500 lm	14 W	on/off	A++
311627.002.8.76	D 300, H 100	LED	830	1500 lm	14 W	DALI	A++
311627.002.6	D 300, H 100	LED	840	1500 lm	14 W	on/off	A++
311627.002.6.76	D 300, H 100	LED	840	1500 lm	14 W	DALI	A++
Diameter D 360 mm							
311945.002.2 *	D 360, H 100	LED [1]	830	1150 lm	13 W	on/off	A+
311945.002.2.76 **	D 360, H 100	LED [1]	830	1150 lm	13 W	DALI	A+
311945.002.4 *	D 360, H 100	LED [1]	840	1200 lm	13 W	on/off	A+
311945.002.4.76 **	D 360, H 100	LED [1]	840	1200 lm	13 W	DALI	A+
311523.002.8	D 360, H 100	LED	830	1500 lm	14 W	on/off	A++
311523.002.8.76	D 360, H 100	LED	830	1500 lm	14 W	DALI	A++
311523.002.6	D 360, H 100	LED	840	1500 lm	14 W	on/off	A++
311523.002.6.76	D 360, H 100	LED	840	1500 lm	14 W	DALI	A++
311946.002.2 *	D 360, H 100	LED [1]	830	1900 lm	21 W	on/off	A+
311946.002.2.76 **	D 360, H 100	LED [1]	830	1900 lm	21 W	DALI	A+
311946.002.4 *	D 360, H 100	LED [1]	840	2000 lm	21 W	on/off	A+
311946.002.4.76 **	D 360, H 100	LED [1]	840	2000 lm	21 W	DALI	A+
Diameter D 460 mm							
311518.002.8	D 460, H 120	LED	830	2150 lm	19 W	on/off	A++
311518.002.8.76	D 460, H 120	LED	830	2150 lm	19 W	DALI	A++
311518.002.6	D 460, H 120	LED	840	2150 lm	19 W	on/off	A++
311518.002.6.76	D 460, H 120	LED	840	2150 lm	19 W	DALI	A++
311947.002.2 *	D 460, H 120	LED [1]	830	2000 lm	21 W	on/off	A+
311947.002.2.76 **	D 460, H 120	LED [1]	830	2000 lm	21 W	DALI	A+
311947.002.4 *	D 460, H 120	LED [1]	840	2050 lm	21 W	on/off	A+
311947.002.4.76 **	D 460, H 120	LED [1]	840	2050 lm	21 W	DALI	A+
312244.002.2 *	D 460, H 120	LED [1]	830	2800 lm	27 W	on/off	A+
312244.002.2.76 **	D 460, H 120	LED [1]	830	2800 lm	27 W	DALI	A+
312244.002.4 *	D 460, H 120	LED [1]	840	2950 lm	27 W	on/off	A+
312244.002.4.76 **	D 460, H 120	LED [1]	840	2950 lm	27 W	DALI	A+
Diameter D 515 mm							
311555.002.8	D 515, H 150	LED	830	2650 lm	24 W	on/off	A++
311555.002.8.76	D 515, H 150	LED	830	2650 lm	24 W	DALI	A++
311555.002.6	D 515, H 150	LED	840	2650 lm	24 W	on/off	A++
311555.002.6.76	D 515, H 150	LED	840	2650 lm	24 W	DALI	A++
312092.002.2	D 515, H 150	LED [1]	830	3250 lm	33 W	on/off	A+
312092.002.2.76 **	D 515, H 150	LED [1]	830	3250 lm	33 W	DALI	A+
312092.002.4	D 515, H 150	LED [1]	840	3250 lm	33 W	on/off	A+
312092.002.4.76 **	D 515, H 150	LED [1]	840	3250 lm	33 W	DALI	A+
Diameter D 620 mm							
312096.002.2	D 620, H 160	LED [1]	830	3250 lm	33 W	on/off	A+
312096.002.2.76 **	D 620, H 160	LED [1]	830	3250 lm	33 W	DALI	A+
312096.002.4	D 620, H 160	LED [1]	840	3250 lm	33 W	on/off	A+
312096.002.4.76 **	D 620, H 160	LED [1]	840	3250 lm	33 W	DALI	A+
311557.002.8	D 620, H 160	LED	830	4250 lm	38 W	on/off	A++
311557.002.8.76	D 620, H 160	LED	830	4250 lm	38 W	DALI	A++
311557.002.6	D 620, H 160	LED	840	4250 lm	38 W	on/off	A++
311557.002.6.76	D 620, H 160	LED	840	4250 lm	38 W	DALI	A++

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 10 / 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

LED 19 / 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 24 / 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

LED 38 W ≈
4 x 26 W TC-D (136 W CB)

Accessories | Decorative metal rings for the Flat Polymero
Not suitable for luminaires with mains voltage LED (LED [1])

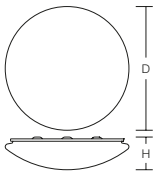
Lacquered decorative rings are available in the following colours: 2 = white, 4 = silver, further RAL colours are available on request.
Metallised decorative rings are available in the following colours: 42 = nickel, matt

Decorative rings Flat Polymero (IP 40)			**Price Category 11**
981804.00X	D 380 mm	for diffuser D 360 mm	
981805.00X	D 490 mm	for diffuser D 460 mm	
981806.00X	D 551 mm	for diffuser D 515 mm	

Replacement diffusers			**Price Category 13**
08-311623.012	D 300, H 90	Plastic (polycarbonate)	
08-311161.022	D 360, H 88	Plastic (polycarbonate)	
08-311165.022	D 460, H 113	Plastic (polycarbonate)	
08-311170.022	D 515, H 137	Plastic (polycarbonate)	
08-311173.022	D 620, H 150	Plastic (polycarbonate)	



Ceiling and wall luminaires | Flat Polymero with movement sensor



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of approx. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter (20-100%), adjustable
- Time control between 10 seconds and 30 minutes, adjustable
- Detection angle: 120°
- Can be used as master luminaire up to 800 W (ohmic load) 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).

Comparison
LED vs. conventional lamps

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

LED 19 W ≈
2 x 26 W TC-D (68 W CB)



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
Diameter D 300 mm								
311627.002.7.19	D 300, H 100	LED	830	1450 lm	14 W	on/off		A++
311627.002.5.19	D 300, H 100	LED	840	1450 lm	14 W	on/off		A++
Diameter D 360 mm								
311523.002.7.19	D 360, H 100	LED	830	1450 lm	14 W	on/off	✓	A++
311523.002.5.19 .Q	D 360, H 100	LED	840	1450 lm	14 W	on/off	✓	A++
Diameter D 460 mm								
311518.002.7.19	D 460, H 120	LED	830	2100 lm	19 W	on/off	✓	A++
311518.002.5.19	D 460, H 120	LED	840	2100 lm	19 W	on/off	✓	A++
Diameter D 515 mm								
311525.002.7.19	D 515, H 150	LED	830	2100 lm	19 W	on/off		A++
311525.002.5.19	D 515, H 150	LED	840	2100 lm	19 W	on/off		A++
Diffuser: plastic (polycarbonate)								
Diameter D 300 mm								
311627.002.8.19	D 300, H 100	LED	830	1500 lm	14 W	on/off		A++
311627.002.6.19	D 300, H 100	LED	840	1500 lm	14 W	on/off		A++
Diameter D 360 mm								
311523.002.8.19	D 360, H 100	LED	830	1500 lm	14 W	on/off		A++
311523.002.6.19	D 360, H 100	LED	840	1500 lm	14 W	on/off		A++
Diameter D 460 mm								
311518.002.8.19	D 460, H 120	LED	830	2150 lm	19 W	on/off		A++
311518.002.6.19	D 460, H 120	LED	840	2150 lm	19 W	on/off		A++
Diameter D 515 mm								
311525.002.8.19	D 515, H 150	LED	830	2200 lm	19 W	on/off		A++
311525.002.6.19	D 515, H 150	LED	840	2200 lm	19 W	on/off		A++

Accessories | Decorative metal rings for the Flat Polymero
Not suitable for luminaires with mains voltage LED (LED [1])

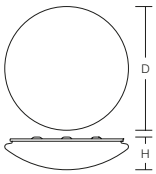
Lacquered decorative rings are available in the following colours: 2 = white, 4 = silver, further RAL colours are available on request.
Metallised decorative rings are available in the following colours: 42 = nickel, matt

Decorative rings Flat Polymero (IP 40)			Price Category 11
981804.00X	D 380 mm	for diffuser D 360 mm	
981805.00X	D 490 mm	for diffuser D 460 mm	
981806.00X	D 551 mm	for diffuser D 515 mm	

Replacement diffusers			Price Category 13
08-311623.002	D 300, H 90	Plastic (PMMA)	
08-311623.012	D 300, H 90	Plastic (polycarbonate)	
08-311161.012	D 360, H 88	Plastic (PMMA)	
08-311161.022	D 360, H 88	Plastic (polycarbonate)	
08-311165.012	D 460, H 113	Plastic (PMMA)	
08-311165.022	D 460, H 113	Plastic (polycarbonate)	
08-311170.012	D 515, H 137	Plastic (PMMA)	
08-311170.022	D 515, H 137	Plastic (polycarbonate)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Flat Polymero with movement sensor





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Applies to versions with .19

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

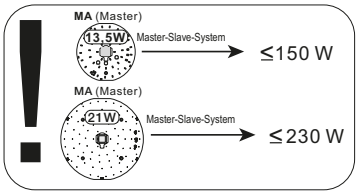
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
Diameter D 300 mm								
311943.002.1.19	D 300, H 100	LED (1)	830	1150 lm	13 W	Master	on/off	A+
311943.002.1.191	D 300, H 100	LED (1)	830	1150 lm	13 W	Slave	on/off	A+
311943.002.3.19	D 300, H 100	LED (1)	840	1200 lm	13 W	Master	on/off	A+
311943.002.3.191	D 300, H 100	LED (1)	840	1200 lm	13 W	Slave	on/off	A+
Diameter D 360 mm								
311945.002.1.19	D 360, H 100	LED (1)	830	1150 lm	13 W	Master	on/off	A+
311945.002.1.191	D 360, H 100	LED (1)	830	1150 lm	13 W	Slave	on/off	A+
311945.002.3.19	D 360, H 100	LED (1)	840	1200 lm	13 W	Master	on/off	A+
311945.002.3.191	D 360, H 100	LED (1)	840	1200 lm	13 W	Slave	on/off	A+
311946.002.1.19	D 360, H 100	LED (1)	830	1850 lm	21 W	Master	on/off	A+
311946.002.1.191	D 360, H 100	LED (1)	830	1850 lm	21 W	Slave	on/off	A+
311946.002.3.19	D 360, H 100	LED (1)	840	1950 lm	21 W	Master	on/off	A+
311946.002.3.191	D 360, H 100	LED (1)	840	1950 lm	21 W	Slave	on/off	A+
Diffuser: plastic (polycarbonate)								
Diameter D 300 mm								
311943.002.2.19	D 300, H 100	LED (1)	830	1150 lm	13 W	Master	on/off	A+
311943.002.2.191	D 300, H 100	LED (1)	830	1150 lm	13 W	Slave	on/off	A+
311943.002.4.19	D 300, H 100	LED (1)	840	1200 lm	13 W	Master	on/off	A+
311943.002.4.191	D 300, H 100	LED (1)	840	1200 lm	13 W	Slave	on/off	A+
Diameter D 360 mm								
311945.002.2.19	D 360, H 100	LED (1)	830	1150 lm	13 W	Master	on/off	A+
311945.002.2.191	D 360, H 100	LED (1)	830	1150 lm	13 W	Slave	on/off	A+
311945.002.4.19	D 360, H 100	LED (1)	840	1200 lm	13 W	Master	on/off	A+
311945.002.4.191	D 360, H 100	LED (1)	840	1200 lm	13 W	Slave	on/off	A+
311946.002.2.19	D 360, H 100	LED (1)	830	1900 lm	21 W	Master	on/off	A+
311946.002.2.191	D 360, H 100	LED (1)	830	1900 lm	21 W	Slave	on/off	A+
311946.002.4.19	D 360, H 100	LED (1)	840	2000 lm	21 W	Master	on/off	A+
311946.002.4.191	D 360, H 100	LED (1)	840	2000 lm	21 W	Slave	on/off	A+

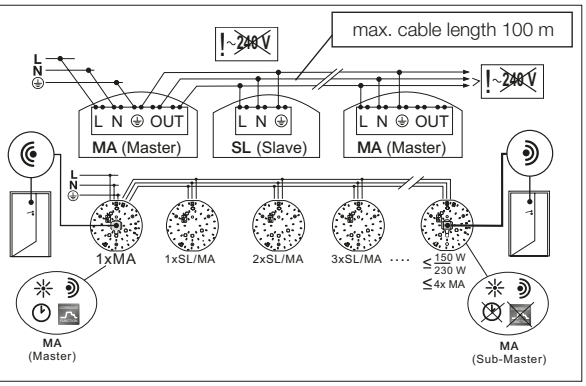


Replacement diffusers		**Price Category 13**
08-311623.002	D 300, H 90	Plastic (PMMA)
08-311623.012	D 300, H 90	Plastic (polycarbonate)
08-311161.012	D 360, H 88	Plastic (PMMA)
08-311161.022	D 360, H 88	Plastic (polycarbonate)

Installation example

Radial movement sensors in the master luminaires





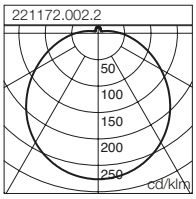


FLAT POLYMERO® IP44

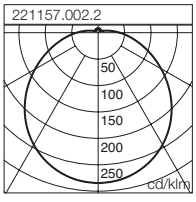
Ceiling and wall luminaires

- For indoor and outdoor lighting
- PMMA diffuser:
  - sturdy, scratch resistant (substitute for glass)
  - UV-resistant (non-fade - no yellowing)
  - totally weatherproof
- PC diffuser:
  - hard, stiff, shatterproof, extremely shockproof
  - UV-stabilised
- Integrated HF movement sensor option
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)

221172.002.2		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	8

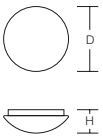


221157.002.2		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Polymero IP44



Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK02 (PMMA), IK10 (polycarbonate)

Base: plastic. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof.
Diffuser fastening: spring system.

Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
Diffuser D 305 mm							
221153.002.1 *	D 305, H 115	LED (1)	830	1250 lm	13 W	on/off	A+
221153.002.1.76 **	D 305, H 115	LED (1)	830	1250 lm	13 W	DALI	A+
221153.002.3 *	D 305, H 115	LED (1)	840	1250 lm	13 W	on/off	A+
221153.002.3.76 **	D 305, H 115	LED (1)	840	1250 lm	13 W	DALI	A+
221023.002.1	D 305, H 115	1 x E27®	75 W			on/off	A++ - E
221105.002	D 305, H 115	2 x E27®	40 W			on/off	A++ - E
Diffuser D 420 mm							
221154.002.1 *	D 420, H 150	LED (1)	830	1900 lm	21 W	on/off	A+
221154.002.1.76 **	D 420, H 150	LED (1)	830	1900 lm	21 W	DALI	A+
221154.002.3 *	D 420, H 150	LED (1)	840	2000 lm	21 W	on/off	A+
221154.002.3.76 **	D 420, H 150	LED (1)	840	2000 lm	21 W	DALI	A+
221106.002	D 420, H 150	3 x E27®	40 W			on/off	A++ - E
Diffuser D 580 mm							
221172.002.1	D 580, H 160	LED (1)	830	2950 lm	33 W	on/off	A+
221172.002.1.76 **	D 580, H 160	LED (1)	830	2950 lm	33 W	DALI	A+
221172.002.3	D 580, H 160	LED (1)	840	2950 lm	33 W	on/off	A+
221172.002.3.76 **	D 580, H 160	LED (1)	840	2950 lm	33 W	DALI	A+
221157.002.1	D 580, H 160	LED	830	4450 lm	56 W	on/off	A++
221157.002.1.76	D 580, H 160	LED	830	4450 lm	56 W	DALI	A++
221157.002.3	D 580, H 160	LED	840	4700 lm	56 W	on/off	A++
221157.002.3.76	D 580, H 160	LED	840	4700 lm	56 W	DALI	A++
221114.002.1	D 580, H 160	3 x E27®	40 W			on/off	A++ - E
Diffuser: plastic (polycarbonate)							
Diffuser D 305 mm							
221153.002 *	D 305, H 115	LED (1)	830	1350 lm	13 W	on/off	A+
221153.002.76 **	D 305, H 115	LED (1)	830	1350 lm	13 W	DALI	A+
221153.002.2 *	D 305, H 115	LED (1)	840	1350 lm	13 W	on/off	A+
221153.002.2.76 **	D 305, H 115	LED (1)	840	1350 lm	13 W	DALI	A+
221022.002	D 305, H 115	2 x E27®	60 W			on/off	A++ - E
221023.002	D 305, H 115	1 x E27®	75 W			on/off	A++ - E
Diffuser D 420 mm							
221154.002 *	D 420, H 150	LED (1)	830	2050 lm	21 W	on/off	A+
221154.002.76 **	D 420, H 150	LED (1)	830	2050 lm	21 W	DALI	A+
221154.002.2 *	D 420, H 150	LED (1)	840	2200 lm	21 W	on/off	A+
221154.002.2.76 **	D 420, H 150	LED (1)	840	2200 lm	21 W	DALI	A+
221026.002	D 420, H 150	3 x E27®	60 W			on/off	A++ - E
Diffuser D 580 mm							
221172.002	D 580, H 160	LED (1)	830	3250 lm	33 W	on/off	A+
221172.002.76 **	D 580, H 160	LED (1)	830	3250 lm	33 W	DALI	A+
221172.002.2	D 580, H 160	LED (1)	840	3250 lm	33 W	on/off	A+
221172.002.2.76 **	D 580, H 160	LED (1)	840	3250 lm	33 W	DALI	A+
221157.002	D 580, H 160	LED	830	5300 lm	56 W	on/off	A++
221157.002.76	D 580, H 160	LED	830	5300 lm	56 W	DALI	A++
221157.002.2	D 580, H 160	LED	840	5400 lm	56 W	on/off	A++
221157.002.2.76	D 580, H 160	LED	840	5400 lm	56 W	DALI	A++
221114.002	D 580, H 160	3 x E27®	75 W			on/off	A++ - E

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison LED vs. conventional lamps

LED 13 W ≈
2 x 18 W TC-D (52 W CB)
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

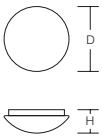
LED 56 W ≈
4 x 26 W TC-D (136 W CB)



Replacement diffusers			Price Category 13
08-5145.002	D 305, H 97	Plastic (polycarbonate)	
08-5145.012	D 305, H 97	Plastic (PMMA)	
08-5146.002	D 420, H 130	Plastic (polycarbonate)	
08-5146.012	D 420, H 130	Plastic (PMMA)	
08-5229.002	D 580, H 140	Plastic (polycarbonate)	
08-5229.012	D 580, H 140	Plastic (PMMA)	



Ceiling and wall luminaires | Flat Polymero IP44 with movement sensor



Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK02 (PMMA), IK10 (polycarbonate)

Base: plastic. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof.
Diffuser fastening: spring system.

Available colour: 2 = white

Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of approx. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter (20-100%), adjustable
- Time control between 10 seconds and 30 minutes, adjustable
- Detection angle: 120°
- Can be used as master luminaire up to 800 W (ohmic load) 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

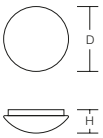
Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).

Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor				**Price Category 11**
Diffuser: plastic (PMMA)				
Diffuser D 305 mm				
221126.002.4.19	D 305, H 115	1 x E27® 60 W	on/off	A++ - E
Diffuser: plastic (polycarbonate)				
Diffuser D 305 mm				
221126.002.3.19	D 305, H 115	1 x E27® 60 W	on/off	A++ - E

Replacement diffusers			Price Category 13
08-5145.002	D 305, H 97	Plastic (polycarbonate)	
08-5145.012	D 305, H 97	Plastic (PMMA)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Flat Polymero IP44 with movement sensor





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK02 (PMMA), IK10 (polycarbonate)

Base: plastic. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof.
Diffuser fastening: spring system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Applies to versions with .19

Comparison
LED vs. conventional lamps

LED 13 W ≈
2 x 18 W TC-D (52 W CB)
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

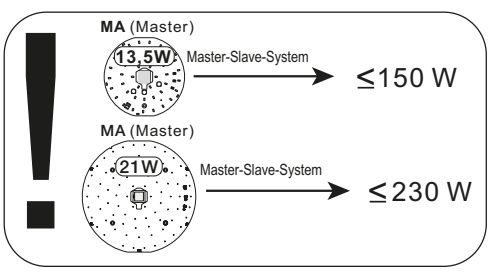
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
Diffuser D 305 mm								
221153.002.1.19	D 305, H 115	LED (1)	830	1250 lm	13 W	Master	on/off	A+
221153.002.1.191	D 305, H 115	LED (1)	830	1250 lm	13 W	Slave	on/off	A+
221153.002.3.19	D 305, H 115	LED (1)	840	1250 lm	13 W	Master	on/off	A+
221153.002.3.191	D 305, H 115	LED (1)	840	1250 lm	13 W	Slave	on/off	A+
Diffuser D 420 mm								
221154.002.1.19	D 420, H 150	LED (1)	830	1900 lm	21 W	Master	on/off	A+
221154.002.1.191	D 420, H 150	LED (1)	830	1900 lm	21 W	Slave	on/off	A+
221154.002.3.19	D 420, H 150	LED (1)	840	2000 lm	21 W	Master	on/off	A+
221154.002.3.191	D 420, H 150	LED (1)	840	2000 lm	21 W	Slave	on/off	A+
Diffuser: plastic (polycarbonate)								
Diffuser D 305 mm								
221153.002.19	D 305, H 115	LED (1)	830	1350 lm	13 W	Master	on/off	A+
221153.002.191	D 305, H 115	LED (1)	830	1350 lm	13 W	Slave	on/off	A+
221153.002.2.19	D 305, H 115	LED (1)	840	1350 lm	13 W	Master	on/off	A+
221153.002.2.191	D 305, H 115	LED (1)	840	1350 lm	13 W	Slave	on/off	A+
Diffuser D 420 mm								
221154.002.19	D 420, H 150	LED (1)	830	2050 lm	21 W	Master	on/off	A+
221154.002.191	D 420, H 150	LED (1)	830	2050 lm	21 W	Slave	on/off	A+
221154.002.2.19	D 420, H 150	LED (1)	840	2200 lm	21 W	Master	on/off	A+
221154.002.2.191	D 420, H 150	LED (1)	840	2200 lm	21 W	Slave	on/off	A+

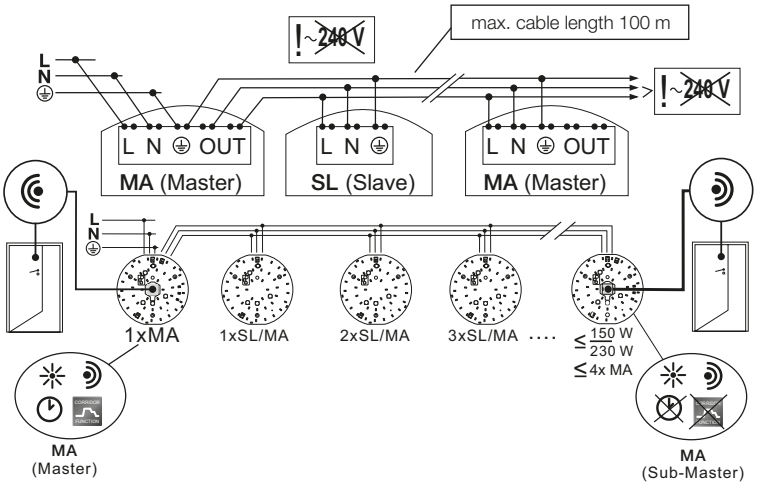


Replacement diffusers			Price Category 13
08-5145.002	D 305, H 97	Plastic (polycarbonate)	
08-5145.012	D 305, H 97	Plastic (PMMA)	
08-5146.002	D 420, H 130	Plastic (polycarbonate)	
08-5146.012	D 420, H 130	Plastic (PMMA)	

Installation example

Radial movement sensors in the master luminaires





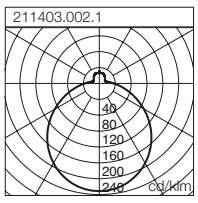


FLAT BASIC

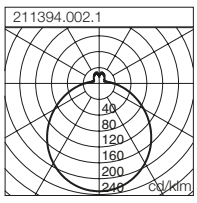
Ceiling and wall luminaires

- Very extensive line of wall and ceiling luminaires for interiors
- Mouth blown 3-layer opal glass (Triplex glass) with satin finish
- Triplex glass produces particularly homogeneous, soft and glare free lighting
- Available in various diameters ranging from 200 to 630 mm

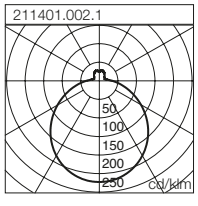
211403.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



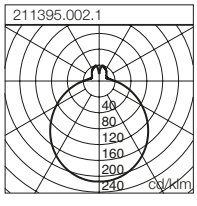
211394.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	10	13
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
10	14	23



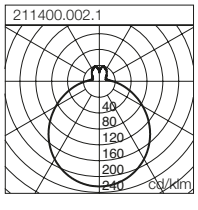
211401.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	13



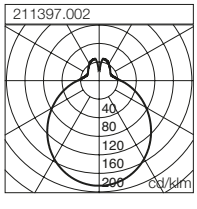
211395.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
13	19	25
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
18	27	45



211400.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	9	12
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
9	13	21

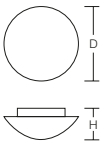


211397.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
18	27	36
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
26	38	64



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Basic



Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK02 (Diffuser fastening: spring system), IK03 (Diffuser fastening: bayonet fixing)
Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system or bayonet fixing.
Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser fastening: spring system							
Glass D 200 mm							
211396.002.1	D 200, H 106	LED (1)	830	380 lm	9 W	on/off	A+
211396.002	D 200, H 106	LED (1)	840	380 lm	9 W	on/off	A+
211004.002	D 200, H 106	1 x E27®	60 W			on/off	A++ - E
Glass D 250 mm							
211397.002.1	D 250, H 106	LED (1)	830	420 lm	9 W	on/off	A+
211397.002	D 250, H 106	LED (1)	840	410 lm	9 W	on/off	A+
211005.002 .Q	D 250, H 106	1 x E27®	60 W			on/off	A++ - E
Glass D 300 mm							
211395.002 .Q	D 300, H 106	LED (1)	830	550 lm	9 W	on/off	A+
211395.002.1	D 300, H 106	LED (1)	840	580 lm	9 W	on/off	A+
211006.002 .Q	D 300, H 106	1 x E27®	75 W			on/off	A++ - E
Glass D 370 mm							
211394.002 .Q*	D 370, H 118	LED	830	1000 lm	12 W	on/off	A++
211394.002.1 *	D 370, H 118	LED	840	1050 lm	12 W	on/off	A++
211399.002 .Q**	D 370, H 118	LED (1)	830	1150 lm	13 W	on/off	A+
211399.002.76 ***	D 370, H 118	LED (1)	830	1150 lm	13 W	DALI	A+
211399.002.1 **	D 370, H 118	LED (1)	840	1150 lm	13 W	on/off	A+
211399.002.1.76 ***	D 370, H 118	LED (1)	840	1150 lm	13 W	DALI	A+
211059.002 .Q	D 370, H 118	2 x E27®	60 W			on/off	A++ - E
211060.002	D 370, H 118	1 x E27®	100 W			on/off	A++ - E
Glass D 420 mm							
211400.002 **	D 420, H 124	LED (1)	830	1200 lm	13 W	on/off	A+
211400.002.76 ***	D 420, H 124	LED (1)	830	1200 lm	13 W	DALI	A+
211400.002.1 **	D 420, H 124	LED (1)	840	1200 lm	13 W	on/off	A+
211400.002.1.76 ***	D 420, H 124	LED (1)	840	1200 lm	13 W	DALI	A+
211011.002 .Q	D 420, H 124	2 x E27®	75 W			on/off	A++ - E
Diffuser fastening: bayonet fixing							
Glass D 500 mm							
211401.002 **	D 500, H 150	LED (1)	830	2150 lm	21 W	on/off	A+
211401.002.76 ***	D 500, H 150	LED (1)	830	2150 lm	21 W	DALI	A+
211401.002.1 **	D 500, H 150	LED (1)	840	2200 lm	21 W	on/off	A+
211401.002.1.76 ***	D 500, H 150	LED (1)	840	2200 lm	21 W	DALI	A+
211071.002	D 500, H 150	3 x E27®	60 W			on/off	A++ - E
Glass D 630 mm							
211425.002	D 630, H 160	LED (1)	830	2800 lm	33 W	on/off	A+
211425.002.76 ***	D 630, H 160	LED (1)	830	2800 lm	33 W	DALI	A+
211425.002.1	D 630, H 160	LED (1)	840	2800 lm	33 W	on/off	A+
211425.002.1.76 ***	D 630, H 160	LED (1)	840	2800 lm	33 W	DALI	A+
211403.002	D 630, H 160	LED	830	4400 lm	56 W	on/off	A++
211403.002.76	D 630, H 160	LED	830	4400 lm	56 W	DALI	A++
211403.002.1	D 630, H 160	LED	840	4650 lm	56 W	on/off	A++
211403.002.1.76	D 630, H 160	LED	840	4650 lm	56 W	DALI	A++

* Dimmable versions are available on request | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

Replacement glasses			Price Category 13
05-211004.002	D 200, H 96	for diffuser fastening: spring system	
05-211005.002	D 250, H 96	for diffuser fastening: spring system	
05-211006.002	D 300, H 94	for diffuser fastening: spring system	
05-211059.002	D 370, H 108	for diffuser fastening: spring system	
05-211011.002	D 420, H 114	for diffuser fastening: spring system	
05-211071.002	D 500, H 129	for diffuser fastening: bayonet fixing	
05-211250.012	D 630, H 144	for diffuser fastening: bayonet fixing	

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)

LED 12 / 13 W ≈
1 x 26 W TC-D (34 W CB)

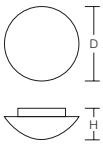
LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

LED 56 W ≈
4 x 26 W TC-D (136 W CB)



Ceiling and wall luminaires | Flat Basic with movement sensor



Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

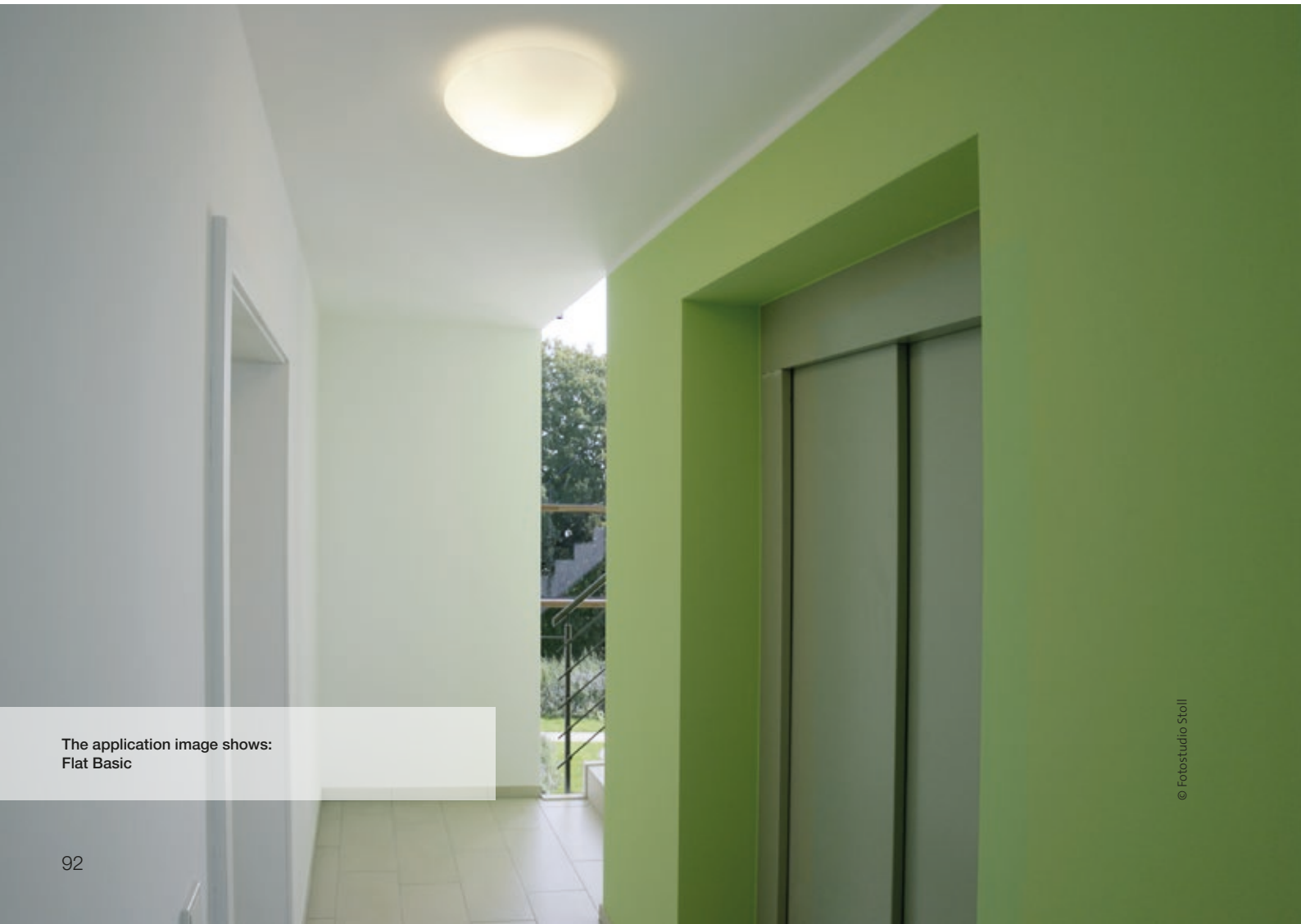
Functional parameters of the movement sensor installed on a ceiling at a height of max. 4 m or on a wall at a height of approx. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter (20-100%), adjustable
- Time control between 10 seconds and 30 minutes, adjustable
- Detection angle: 120°
- Can be used as master luminaire up to 800 W (ohmic load) 500 W (fluorescent lamp, LED) / 400 A, 200 µs
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

Movement sensor luminaires are not compatible with AC movement sensor luminaires with 24 GHz technology (Master / Slave).

Reference number	Dimensions	Lamp		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor					**Price Category 11**
Glass D 370 mm					
211344.002.3.19 .Q	D 370, H 118	1 x E27® 60 W	Yes	on/off	E
Glass D 420 mm					
211355.002.3.19	D 420, H 124	1 x E27® 60 W	Yes	on/off	A++ - E

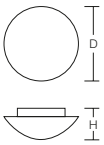
Replacement glasses			**Price Category 13**
05-211059.002	D 370, H 108	for diffuser fastening: spring system	
05-211011.002	D 420, H 114	for diffuser fastening: spring system	



The application image shows:
Flat Basic

© Fotostudio Stoll

Ceiling and wall luminaires | Flat Basic with movement sensor





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Corridor Function — Applies to versions with .19

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

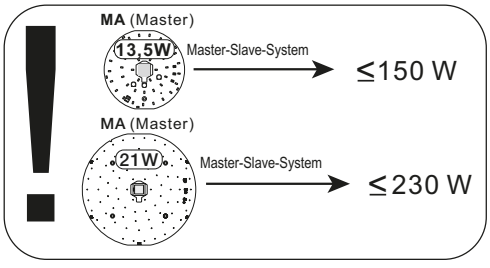


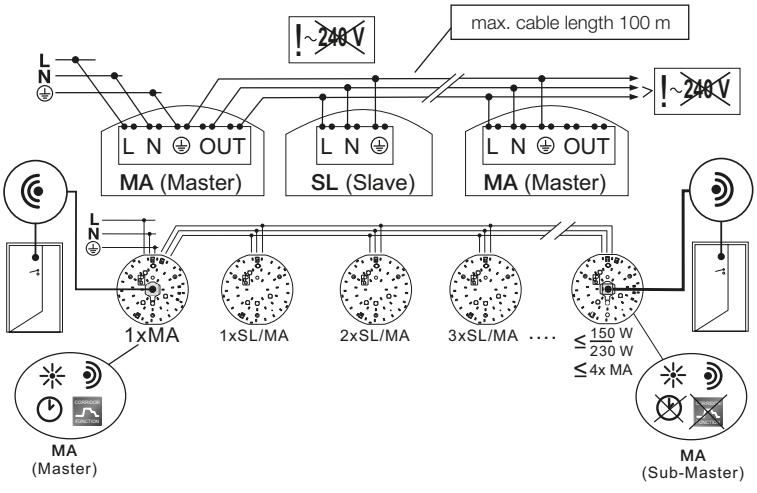
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Glass D 370 mm								
211399.002.19	D 370, H 118	LED (1)	830	1150 lm	13 W	Master	on/off	A+
211399.002.191	D 370, H 118	LED (1)	830	1150 lm	13 W	Slave	on/off	A+
211399.002.1.19	D 370, H 118	LED (1)	840	1150 lm	13 W	Master	on/off	A+
211399.002.1.191	D 370, H 118	LED (1)	840	1150 lm	13 W	Slave	on/off	A+
Glass D 420 mm								
211400.002.19	D 420, H 124	LED (1)	830	1200 lm	13 W	Master	on/off	A+
211400.002.191	D 420, H 124	LED (1)	830	1200 lm	13 W	Slave	on/off	A+
211400.002.1.19	D 420, H 124	LED (1)	840	1200 lm	13 W	Master	on/off	A+
211400.002.1.191	D 420, H 124	LED (1)	840	1200 lm	13 W	Slave	on/off	A+

Replacement glasses			Price Category 13
05-211059.002	D 370, H 108	for diffuser fastening: spring system	
05-211011.002	D 420, H 114	for diffuser fastening: spring system	

Installation example

Radial movement sensors in the master luminaires





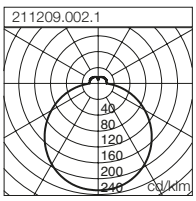


FLAT KREIS

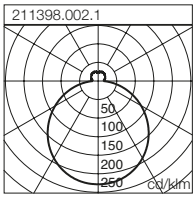
Ceiling and wall luminaires

- High protection type versions allow for outdoor applications; since it is proof against dust and flies - this luminaire is ideal for hard-to-access installations
- Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA) opal satin finish
- Homogeneous and smooth light distribution
- Diffuser fastening: spring system or bayonet fixing
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)

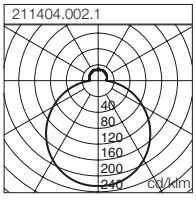
211209.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	10	13
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
9	14	23



211398.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	13

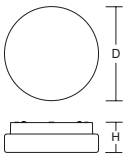


211404.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Kreis Glas





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK02 (Diffuser fastening: spring system), IK03 (Diffuser fastening: bayonet fixing)

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system or bayonet fixing.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser fastening: spring system							
Glass D 250 mm							
211207.002	D 250, H 75	LED [1]	830	550 lm	9 W	on/off	A+
211207.002.1	D 250, H 75	LED [1]	840	570 lm	9 W	on/off	A+
Glass D 300 mm							
211209.002 *	D 300, H 75	LED [1]	830	1050 lm	13 W	on/off	A+
211209.002.76 **	D 300, H 75	LED [1]	830	1050 lm	13 W	DALI	A+
211209.002.1 *	D 300, H 75	LED [1]	840	1050 lm	13 W	on/off	A+
211209.002.1.76 **	D 300, H 75	LED [1]	840	1050 lm	13 W	DALI	A+
Diffuser fastening: bayonet fixing							
Glass D 500 mm							
211398.002 *	D 500, H 100	LED [1]	830	2100 lm	21 W	on/off	A+
211398.002.76 **	D 500, H 100	LED [1]	830	2100 lm	21 W	DALI	A+
211398.002.1 *	D 500, H 100	LED [1]	840	1900 lm	21 W	on/off	A+
211398.002.1.76 **	D 500, H 100	LED [1]	840	1900 lm	21 W	DALI	A+
Glass D 630 mm							
211426.002	D 630, H 110	LED [1]	830	2800 lm	33 W	on/off	A+
211426.002.76 **	D 630, H 110	LED [1]	830	2800 lm	33 W	DALI	A+
211426.002.1	D 630, H 110	LED [1]	840	2800 lm	33 W	on/off	A+
211426.002.1.76 **	D 630, H 110	LED [1]	840	2800 lm	33 W	DALI	A+
211404.002	D 630, H 110	LED	830	4400 lm	56 W	on/off	A++
211404.002.76	D 630, H 110	LED	830	4400 lm	56 W	DALI	A++
211404.002.1	D 630, H 110	LED	840	4650 lm	56 W	on/off	A++
211404.002.1.76	D 630, H 110	LED	840	4650 lm	56 W	DALI	A++

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement glasses			Price Category 13
05-2002.002	D 250, H 59	for diffuser fastening: spring system	
05-2003.002	D 300, H 59	for diffuser fastening: spring system	
05-2005.002	D 500, H 79	for diffuser fastening: bayonet fixing	
05-2007.002	D 630, H 89	for diffuser fastening: bayonet fixing	

Touch DIM Sensor — Applies to versions with .76

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)

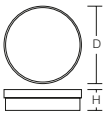
LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

LED 56 W ≈
4 x 26 W TC-D (136 W CB)

Ceiling and wall luminaires | Flat Kreis Kunststoff





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK08

Base: plastic. Diffuser: plastic (PMMA), opal. Diffuser fastening: spring system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
D 262 mm							
221155.002 *	D 262, H 70	LED [1]	830	900 lm	13 W	on/off	A+
221155.002.76 **	D 262, H 70	LED [1]	830	900 lm	13 W	DALI	A+
221155.002.1 *	D 262, H 70	LED [1]	840	900 lm	13 W	on/off	A+
221155.002.1.76 **	D 262, H 70	LED [1]	840	900 lm	13 W	DALI	A+
D 380 mm							
221156.002 *	D 380, H 78	LED [1]	830	1200 lm	21 W	on/off	A+
221156.002.76 **	D 380, H 78	LED [1]	830	1200 lm	21 W	DALI	A+
221156.002.1 *	D 380, H 78	LED [1]	840	1300 lm	21 W	on/off	A+
221156.002.1.76 **	D 380, H 78	LED [1]	840	1300 lm	21 W	DALI	A+
D 537 mm							
221173.002	D 537, H 100	LED [1]	830	2350 lm	33 W	on/off	A+
221173.002.76 **	D 537, H 100	LED [1]	830	2400 lm	33 W	DALI	A+
221173.002.1	D 537, H 100	LED [1]	840	2350 lm	33 W	on/off	A+
221173.002.1.76 **	D 537, H 100	LED [1]	840	2400 lm	33 W	DALI	A+
221158.002	D 537, H 100	LED	830	3300 lm	56 W	on/off	A++
221158.002.76	D 537, H 100	LED	830	3300 lm	56 W	DALI	A++
221158.002.1	D 537, H 100	LED	840	3500 lm	56 W	on/off	A++
221158.002.1.76	D 537, H 100	LED	840	3500 lm	56 W	DALI	A++

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers		Price Category 13
08-221057.002	D 262, H 58	
08-221061.002	D 381, H 60	
08-221083.002	D 534, H 77	

Touch DIM Sensor — Applies to versions with .76

Comparison LED vs. conventional lamps

LED 13 / 21 W ≈
1 x 26 W TC-D (34 W CB)

LED 33 W ≈
2 x 26 W TC-D (68 W CB)

LED 56 W ≈
3 x 26 W TC-D (102 W CB)

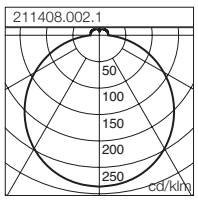


FLAT QUADRAT

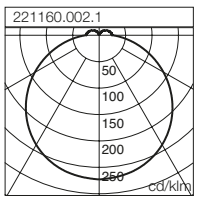
Ceiling and wall luminaires

- High protection type versions allow for outdoor applications; since it is proof against dust and flies - this luminaire is ideal for hard-to-access installations
- Diffusers made of mouth blown opal glass with satin finish or shockproof plastic (PP)
- Flat design
- Easy to install thanks to tool-free spring fastening system

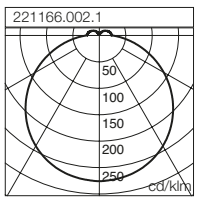
211408.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
8	11	15
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
11	16	26



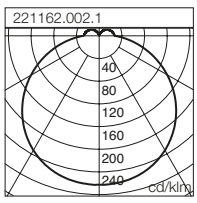
221160.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
9	14	18
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
13	19	32



221166.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11

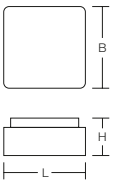


221162.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	7



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Quadrat Glas





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass L 300 x B 300 mm							
211408.002 *	L 300, B 300, H 75	LED [1]	830	900 lm	13 W	on/off	A+
211408.002.1 *	L 300, B 300, H 75	LED [1]	840	960 lm	13 W	on/off	A+

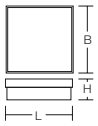
* Suitable for phase cut dimming (10-100%)

Replacement glasses							**Price Category 13**
05-211227.002	L 300, B 300, H 59						

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

Ceiling and wall luminaires | Flat Quadrat Kunststoff





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I
Impact Protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Luminaires L 270 x B 270 mm							
221160.002 *	L 270, B 270, H 70	LED [1]	830	800 lm	13 W	on/off	A+
221160.002.1 *	L 270, B 270, H 70	LED [1]	840	790 lm	13 W	on/off	A+
Luminaires L 380 x B 380 mm							
221161.002 *	L 380, B 380, H 78	LED [1]	830	1500 lm	21 W	on/off	A+
221161.002.76 **	L 380, B 380, H 78	LED [1]	830	1500 lm	21 W	DALI	A+
221161.002.1 *	L 380, B 380, H 78	LED [1]	840	1500 lm	21 W	on/off	A+
221161.002.1.76 **	L 380, B 380, H 78	LED [1]	840	1500 lm	21 W	DALI	A+
221166.002	L 380, B 380, H 78	LED	830	2250 lm	37 W	on/off	A++
221166.002.1	L 380, B 380, H 78	LED	840	2300 lm	37 W	on/off	A++
Luminaires L 470 x B 470 mm							
221162.002	L 470, B 470, H 100	LED	830	3500 lm	54 W	on/off	A++
221162.002.76	L 470, B 470, H 100	LED	830	3500 lm	54 W	DALI	A++
221162.002.1	L 470, B 470, H 100	LED	840	3650 lm	54 W	on/off	A++
221162.002.1.76	L 470, B 470, H 100	LED	840	3650 lm	54 W	DALI	A++

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers		**Price Category 13**
08-221069.002	L 270, B 270, H 58	
08-221073.002	L 380, B 380, H 62	
08-221080.002	L 470, B 470, H 77	

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 18 W TC-D (52 W CB)

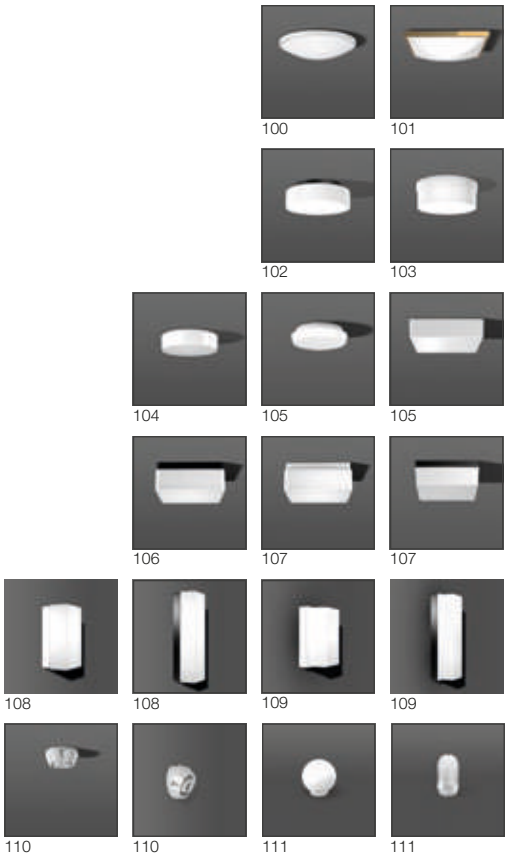
LED 37 W ≈
2 x 26 W TC-T (58 W CB)

LED 54 W ≈
2 x 42 W TC-TEL (90 W EB)



The application image shows:
Kreis

© Linus Lintner



Santos Kreis
Santos Quadrat
100-101

Kreis
102-103

DKN-Kreis
DKN-Classic
DKN-Quadrat
104-105

Quadrat
106-107

Rechteck
108-109

Keralux
110-111



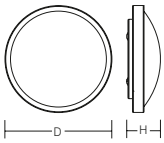


Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 18 W TC-D (26 W CB)

LED 19 W ≈
2 x 18 W TC-D (52 W CB)

Ceiling and wall luminaires | Santos Kreis



Type of Protection: IP 20
Protection Class: I

Base: white coated metal. Glass: domed, opal, frosted. Decorative ring, metal.
Glass and decorative ring fastening: spring system.

Available colours (X): 42 = nickel matt, 44 = chrome coloured, 5 = brass

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diameter D 310 mm							
311879.00X	D 310, H 87	LED	830	680 lm	10 W	on/off	A++
311879.00X.1	D 310, H 87	LED	840	680 lm	10 W	on/off	A++
311488.00X	D 310, H 87	1 x E27® 60 W				on/off	A++ - E
Diameter D 410 mm							
311880.00X	D 410, H 95	LED	830	1550 lm	19 W	on/off	A++
311880.00X.1	D 410, H 95	LED	840	1550 lm	19 W	on/off	A++
311489.00X	D 410, H 95	2 x E27® 60 W				on/off	A++ - E

Replacement glasses		**Price Category 13**
05-311488.012	D 300, H 60	
05-311489.012	D 400, H 70	

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.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
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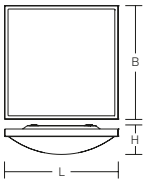


Ceiling and wall luminaires | Santos Quadrat

Type of Protection: IP 20
Protection Class: I

Base: white coated metal. Glass: domed, opal, frosted. Decorative metal frame.
Glass and decorative frame fastening system: springs.

Available colours (X): 42 = nickel matt, 44 = chrome coloured, 5 = brass



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Luminaires L 310 x B 310 mm							
311881.00X	L 310, B 310, H 95	LED	830	740 lm	10 W	on/off	A++
311881.00X.1	L 310, B 310, H 95	LED	840	740 lm	10 W	on/off	A++
311491.00X	L 310, B 310, H 95	1 x E27®	60 W			on/off	A++ - E
Luminaires L 410 x B 410 mm							
311882.00X	L 410, B 410, H 105	LED	830	1450 lm	19 W	on/off	A++
311882.00X.1	L 410, B 410, H 105	LED	840	1500 lm	19 W	on/off	A++
311492.00X	L 410, B 410, H 105	2 x E27®	60 W			on/off	A++ - E

Replacement glasses		**Price Category 13**
05-311491.012	L 292, B 292, H 52	
05-311492.012	L 392, B 392, H 69	



Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 18 W TC-D (26 W CB)

LED 19 W ≈
2 x 18 W TC-D (52 W CB)



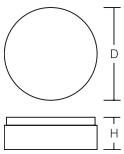


Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

Ceiling and wall luminaires | Kreis



Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass D 230 mm							
211415.002	D 230, H 110	LED [1]	830	680 lm	9 W	on/off	A+
211415.002.1	D 230, H 110	LED [1]	840	720 lm	9 W	on/off	A+
21101.00X	D 230, H 110	1 x E27®	75 W			on/off	A++ - E
Glass D 280 mm							
211416.002 *	D 280, H 120	LED [1]	830	1150 lm	13 W	on/off	A+
211416.002.1 *	D 280, H 120	LED [1]	840	1200 lm	13 W	on/off	A+
21171.00X	D 280, H 120	1 x E27®	100 W			on/off	A++ - E

* Suitable for phase cut dimming (10-100%)

Replacement glasses		Price Category 13
05-21101	D 230, H 95	
05-21102	D 280, H 99	

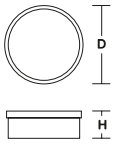
LED conversion kit		Price Category 11
982173.002	D 230, H 26	1 x LED 13 W 3000 K - 1500 lm [1]
982173.002.1	D 230, H 26	1 x LED 13 W 4000 K - 1500 lm [1]
982171.002	L 152, B 152, H 25	1 x LED 9 W 3000 K - 800 lm [1]
982171.002.1	L 152, B 152, H 25	1 x LED 9 W 4000 K - 800 lm [1]

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The values indicated for power and luminous flux are rated values



Phase-cut

Ceiling and wall luminaires | Kreis



Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK08

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Luminaires D 200 mm							
221168.002	D 200, H 100	LED [1]	830	680 lm	9 W	on/off	A+
221168.002.1	D 200, H 100	LED [1]	840	710 lm	9 W	on/off	A+
22141.00X	D 200, H 100	1 x E27® 60 W				on/off	A++ - E
Luminaires D 260 mm							
221169.002 *	D 260, H 110	LED [1]	830	1100 lm	13 W	on/off	A+
221169.002.1 *	D 260, H 110	LED [1]	840	1200 lm	13 W	on/off	A+
22142.00X	D 260, H 110	2 x E27® 60 W				on/off	A++ - E
22150.00X	D 260, H 110	1 x E27® 100 W				on/off	A++ - E

* Suitable for phase cut dimming (10-100%)

Replacement diffusers		Price Category 13
08-22141	D 201, H 88	
08-22142	D 262, H 88	

LED conversion kit		Price Category 11
982173.002	D 230, H 26	1 x LED 13 W 3000 K - 1500 lm [1]
982173.002.1	D 230, H 26	1 x LED 13 W 4000 K - 1500 lm [1]
982171.002	L 152, B 152, H 25	1 x LED 9 W 3000 K - 800 lm [1]
982171.002.1	L 152, B 152, H 25	1 x LED 9 W 4000 K - 800 lm [1]



Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)



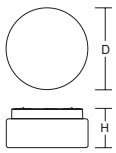


Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)

LED 18 W ≈
1 x 26 W TC-D (34 W CB)

Ceiling and wall luminaires | DKN Kreis silk finish



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: metal, galvanised. Opal glass: mouth blown, silk finish. Glass fastening: DKN system.

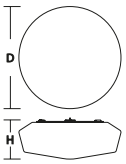
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass D 250 mm							
10322.002.1	D 250, H 110	LED [1]	830	450 lm	9 W	on/off	A+
10322.002	D 250, H 110	LED [1]	840	450 lm	9 W	on/off	A+
10320.002	D 250, H 110	1 x E27®	60 W			on/off	A++ - E
Glass D 300 mm							
10337.002.1	D 300, H 100	LED [1]	830	900 lm	18 W	on/off	A+
10337.002	D 300, H 100	LED [1]	840	890 lm	18 W	on/off	A+
10330.002	D 300, H 100	1 x E27®	75 W			on/off	A++ - E

Replacement glasses		Price Category 13
05-10320	D 255, H 105	
05-10330	D 300, H 95	

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.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | DKN Classic





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: metal, galvanised. Opal glass: mouth blown, silk finish. Glass fastening: DKN system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass D 250 mm							
10122.002.1	D 250, H 105	LED [1]	830	400 lm	9 W	on/off	A+
10122.002	D 250, H 105	LED [1]	840	400 lm	9 W	on/off	A+
10120.002 .Q	D 250, H 105	1 x E27®	60 W			on/off	A++ - E
Glass D 300 mm							
10138.002.1	D 300, H 115	LED [1]	830	840 lm	18 W	on/off	A+
10138.002	D 300, H 115	LED [1]	840	930 lm	18 W	on/off	A+
10130.002	D 300, H 115	1 x E27®	75 W			on/off	A++ - E

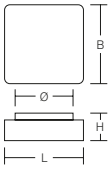
Replacement glasses		Price Category 13
05-10120	D 250, H 100	
05-10130	D 300, H 110	

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)

LED 18 W ≈
1 x 26 W TC-D (34 W CB)

Ceiling and wall luminaires | DKN Quadrat





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: metal, galvanised. Opal glass: mouth blown, silk finish. Glass fastening: DKN system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass L 235 x B 235 mm							
10422.002.1	L 235, B 235, H 100	LED [1]	830	420 lm	9 W	on/off	A+
10422.002	L 235, B 235, H 100	LED [1]	840	430 lm	9 W	on/off	A+
10420.002	L 235, B 235, H 100	1 x E27®	60 W			on/off	A++ - E
Glass L 280 x B 280 mm							
10434.002.1	L 280, B 280, H 105	LED [1]	830	860 lm	18 W	on/off	A+
10434.002	L 280, B 280, H 105	LED [1]	840	850 lm	18 W	on/off	A+
10430.002	L 280, B 280, H 105	1 x E27®	75 W			on/off	A++ - E

Replacement glasses		Price Category 13
05-10420	L 235, B 235, H 96	
05-10430	L 280, B 280, H 100	

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)

LED 18 W ≈
1 x 26 W TC-D (34 W CB)



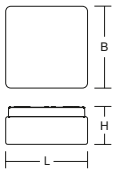


Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

Ceiling and wall luminaires | Quadrat



Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass L 240 x B 240 mm, round glass neck							
211410.002	L 240, B 240, H 110	LED [1]	830	400 lm	9 W	on/off	A+
211410.002.1	L 240, B 240, H 110	LED [1]	840	430 lm	9 W	on/off	A+
21128.00X	L 240, B 240, H 110	1 x E27® 75 W				on/off	A++ - E
Glass L 280 x B 280 mm, round glass neck							
211412.002 *	L 280, B 280, H 120	LED [1]	830	990 lm	13 W	on/off	A+
211412.002.1 *	L 280, B 280, H 120	LED [1]	840	1100 lm	13 W	on/off	A+
21129.00X	L 280, B 280, H 120	2 x E27® 60 W				on/off	A++ - E

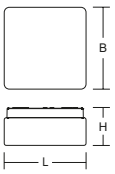
* Suitable for phase cut dimming (10-100%)

Replacement glasses			**Price Category 13**
05-21128	L 240, B 240, H 95	Glass neck, round	
05-21129	L 280, B 280, H 106	Glass neck, round	

LED conversion kit			**Price Category 11**
982173.002	D 230, H 26	1 x LED 13 W 3000 K - 1500 lm [1]	
982173.002.1	D 230, H 26	1 x LED 13 W 4000 K - 1500 lm [1]	

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Ceiling and wall luminaires | Quadrat





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK02

Base: plastic. Opal glass: mouth blown, silk finish. Diffuser fastening: spring system.

Available colours (X): 2 = white, 3 = black

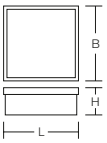
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass L 240 x B 240 mm, round glass neck							
201410.002	L 240, B 240, H 110	LED [1]	830	400 lm	9 W	on/off	A+
201410.002.1	L 240, B 240, H 110	LED [1]	840	430 lm	9 W	on/off	A+
20128.00X	L 240, B 240, H 110	1 x E27®	75 W			on/off	A++ - E
Glass L 280 x B 280 mm, round glass neck							
201412.002 *	L 280, B 280, H 120	LED [1]	830	990 lm	13 W	on/off	A+
201412.002.1 *	L 280, B 280, H 120	LED [1]	840	1100 lm	13 W	on/off	A+
20129.00X	L 280, B 280, H 120	2 x E27®	60 W			on/off	A++ - E
20172.00X	L 280, B 280, H 120	1 x E27®	100 W			on/off	A++ - E

* Suitable for phase cut dimming (10-100%)

Replacement glasses			**Price Category 13**
05-20128	L 240, B 240, H 95	Glass neck, round	
05-20129	L 280, B 280, H 106	Glass neck, round	

LED conversion kit			**Price Category 11**
982173.002	D 230, H 26	1 x LED 13 W 3000 K - 1500 lm [1]	
982173.002.1	D 230, H 26	1 x LED 13 W 4000 K - 1500 lm [1]	

Ceiling and wall luminaires | Quadrat





Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK08

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Luminaires L 226 x B 226 mm							
221164.002	L 226, B 226, H 110	LED [1]	830	400 lm	9 W	on/off	A+
221164.002.1	L 226, B 226, H 110	LED [1]	840	450 lm	9 W	on/off	A+
22146.00X	L 226, B 226, H 110	1 x E27®	75 W			on/off	A++ - E
Luminaires L 270 x B 270 mm							
221165.002 *	L 270, B 270, H 115	LED [1]	830	1000 lm	13 W	on/off	A+
221165.002.1 *	L 270, B 270, H 115	LED [1]	840	1050 lm	13 W	on/off	A+
22130.00X	L 270, B 270, H 115	1 x E27®	100 W			on/off	A++ - E
22148.00X	L 270, B 270, H 115	2 x E27®	60 W			on/off	A++ - E

* Suitable for phase cut dimming (10-100%)

Replacement diffusers		**Price Category 13**
08-22146	L 226, B 226, H 88	
08-22148	L 270, B 270, H 94	

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

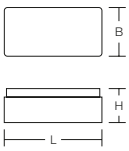




Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

Ceiling and wall luminaires | Rechteck



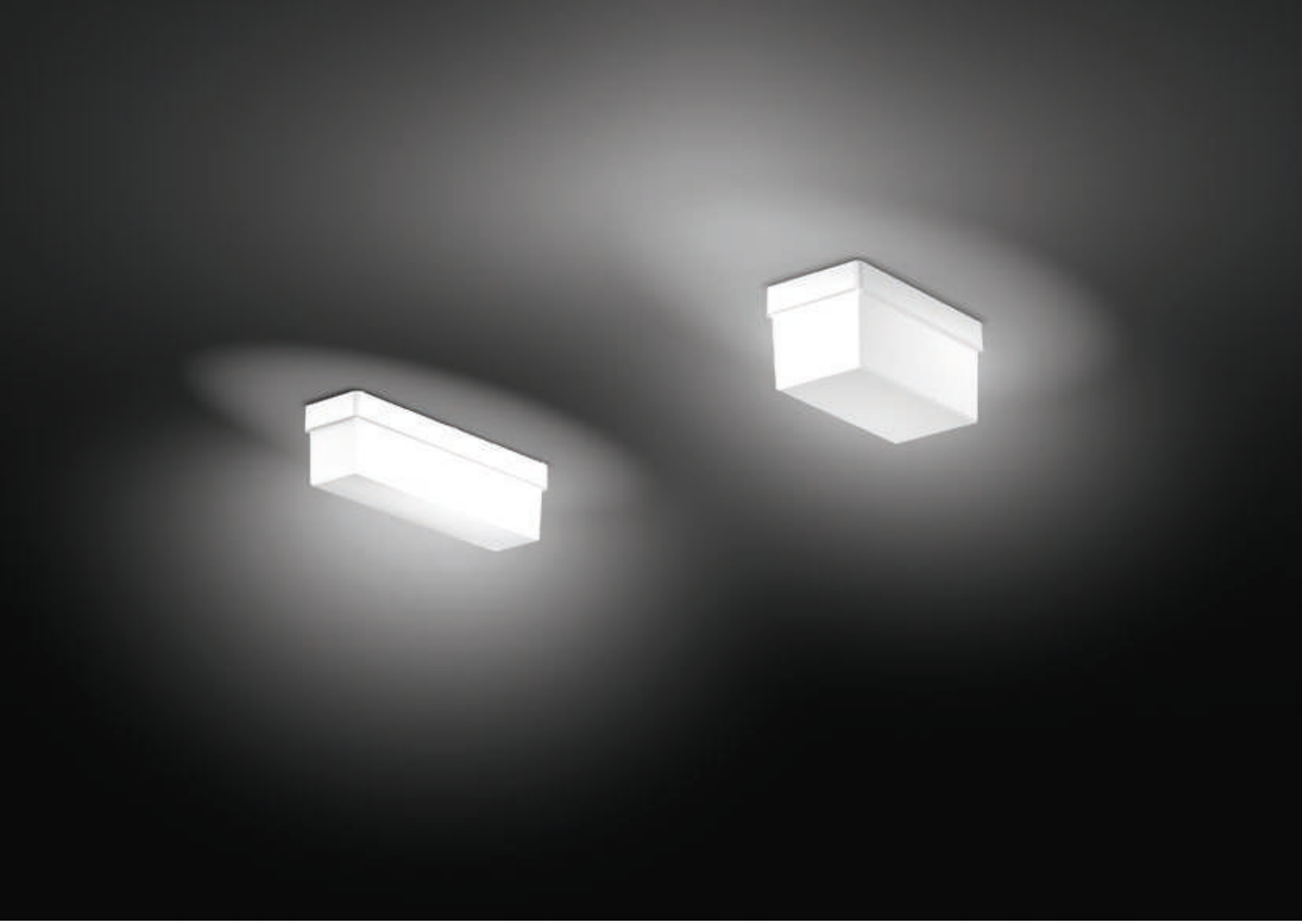
Type of Protection: **IP 43** ceiling mounting, **IP 44** wall mounting
Protection Class: I, II = E27
Impact Protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Diffuser fastening: spring system.

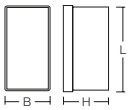
Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass L 220 x B 120 mm							
211421.002	L 220, B 120, H 105	LED	830	850 lm	9 W	on/off	A++
211421.002.1	L 220, B 120, H 105	LED	840	850 lm	9 W	on/off	A++
21146.00X	L 220, B 120, H 105	1 x E27® 60 W				on/off	A++ - E
Glass L 315 x B 85 mm							
211422.002	L 315, B 85, H 90	LED	830	900 lm	9 W	on/off	A++
211422.002.1	L 315, B 85, H 90	LED	840	900 lm	9 W	on/off	A++
Replacement glasses							**Price Category 13**
05-21136	L 225, B 120, H 82	Opal glass, satin finish					
05-21157	L 315, B 85, H 71	Opal glass, satin finish					
LED conversion kit							**Price Category 11**
982175.002	L 164, B 87, H 44	1 x LED 9 W 3000 K - 1200 lm					
982175.002.1	L 164, B 87, H 44	1 x LED 9 W 4000 K - 1200 lm					

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Ceiling and wall luminaires | Rechteck



Type of Protection: **IP 44**
Protection Class: I, II = E14/E27
Impact Protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 11**
Leuchten L 215 x B 115 mm							
221170.002	L 215, B 115, H 110	LED	830	900 lm	9 W	on/off	A++
221170.002.1	L 215, B 115, H 110	LED	840	900 lm	9 W	on/off	A++
22144.00X	L 215, B 115, H 110	1 x E27®	60 W			on/off	A++ - E
Leuchten L 310 x B 80 mm							
221171.002	L 310, B 80, H 95	LED	830	800 lm	9 W	on/off	A++
221171.002.1	L 310, B 80, H 95	LED	840	800 lm	9 W	on/off	A++
22143.00X	L 310, B 80, H 95	2 x E14®	25 W			on/off	A+ - C

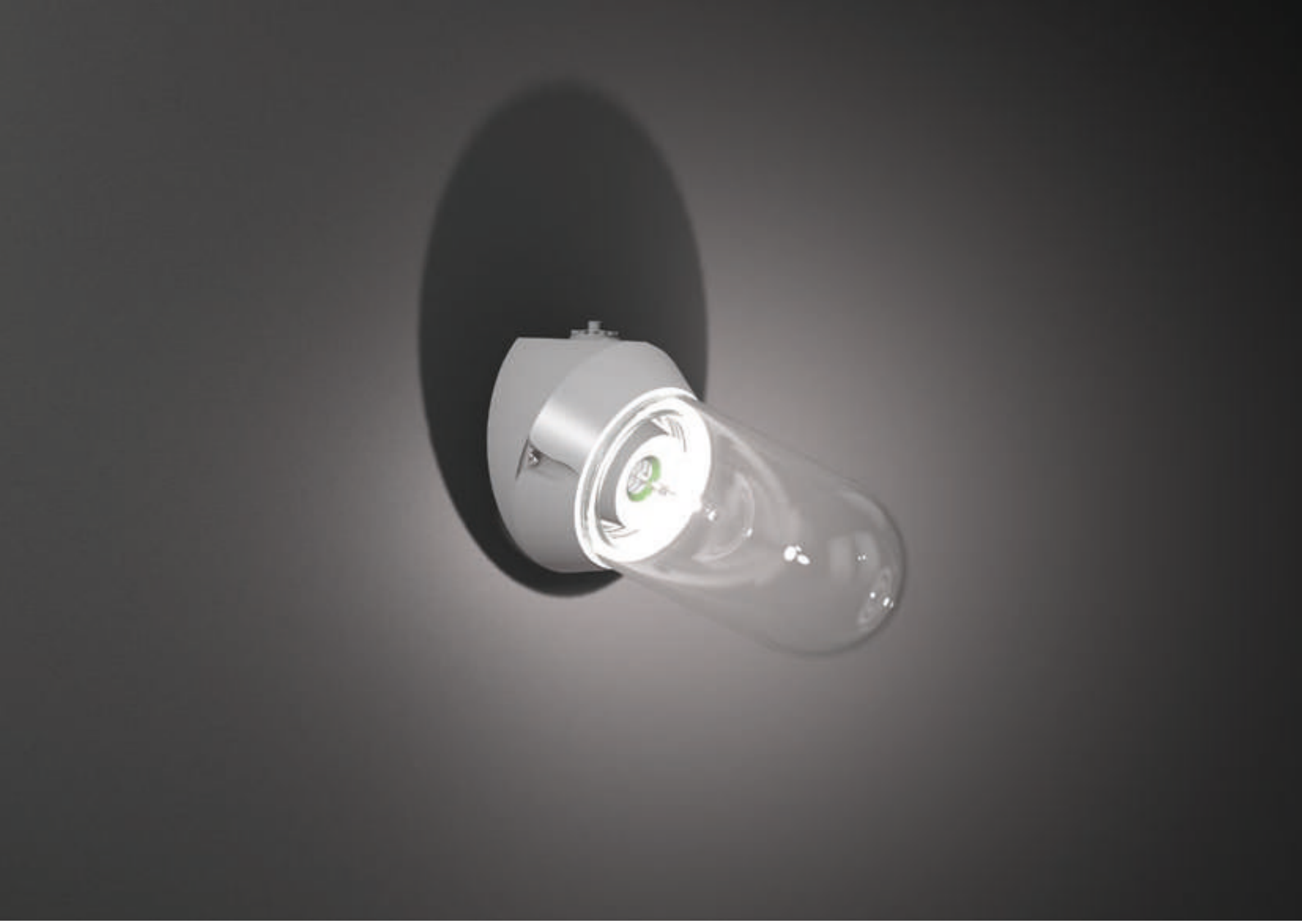
Replacement diffusers		**Price Category 13**
08-22144	L 215, B 115, H 86	
08-22243	L 310, B 80, H 74	

LED conversion kit			**Price Category 11**
982175.002	L 164, B 87, H 44	1 x LED 9 W 3000 K - 1200 lm	
982175.002.1	L 164, B 87, H 44	1 x LED 9 W 4000 K - 1200 lm	



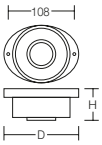
Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)





Ceiling and wall luminaires | Keralux

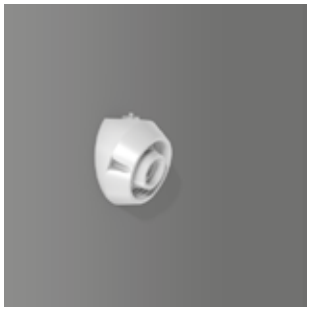


Type of Protection: **IP 40** with screwneck glass
Protection Class: II
Impact Protection: IK04

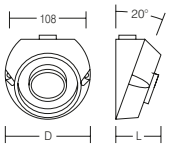
Base: ceramic for Ø 84.5 mm thread. With E27 lampholder.
One or two cable inlets at the side, PG 13.5.

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling and wall mounting				**Price Category 11**
with one cable entry				
59250.002	D 125, H 50	1 x E27® 100 W	on/off	A++ - E
with two cable entries				
59251.002 .Q	D 125, H 50	1 x E27® 100 W	on/off	A++ - E



Wall luminaires | Keralux



Type of Protection: **IP 40** with screwneck glass
Protection Class: II
Impact Protection: IK04

Base: ceramic for Ø 84.5 mm thread. With E27 lampholder.
One cable inlet at the top, PG 13.5.

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Wall mounting				**Price Category 11**
59222.002	D 125, L 70	1 x E27® 100 W	on/off	A++ - E

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.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Screwneck glasses | Replacement glass

Glass sphere with glass screwneck.



Reference number	Dimensions		
Screwneck glasses			**Price Category 11**
Glass diffuser: opal, silk finish			
05-56150	D 150, H 155	with screwneck D 84.5 mm	

Screwneck glasses | Replacement glass

Glass diffuser: cylindrical, with semi-circular dome, with glass screwneck.



Reference number	Dimensions		
Screwneck glasses			**Price Category 11**
Glass diffuser: opal, satin finish			
05-59162	D 95, H 180	with screwneck D 84.5 mm	
Glass diffuser: transparent			
05-59160	D 95, H 180	with screwneck D 84.5 mm	

Screwneck glasses | Replacement glass

Glass diffuser: cylindrical, closed, with glass screwneck.



Reference number	Dimensions		
Screwneck glasses			**Price Category 11**
Glass diffuser: opal, silk finish			
05-59252	D 95, H 125	with screwneck D 84.5 mm	
05-55863	D 98, H 145	with screwneck D 84.5 mm	
Glass diffuser: smooth, frosted finish			
05-59250	D 95, H 125	with screwneck D 84.5 mm	
Glass diffuser: transparent			
05-59256	D 95, H 125	with screwneck D 84.5 mm	



The application image shows:
Aluminium striplights

© Linus Lintner


115 115 116

Lavano
Lavano Wing
Lavano Uno
114-117


119 119

RT 44
118-119


121

Baleva
120-121


122

Polymero Long
122


123

R40
123


125

Strip-Light
124-125


126 126 127 127

ISO and aluminium striplights
126-127


127

ISO lampholders for linear lamps
127



LAVANO®

Ceiling and wall luminaires

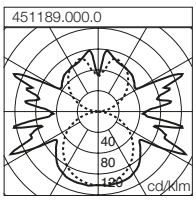
- Lavano Uno with single-side light output
- Latest LED technology for high levels of energy efficiency
- Comprehensive range consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- The technical features of these luminaires with their LEDs and two diffusers for dual light direction guarantee high levels of visual comfort and lighting intensity.
- The special design of the diffuser generates brightly sparkling direct light along the contour of the ellipse.
- The choice of high-quality materials, the finish and the energy-efficient use of LEDs all aim to ensure a long service life.



Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

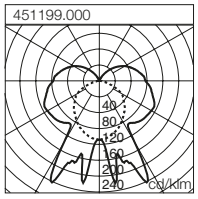
451189.000.0

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	13



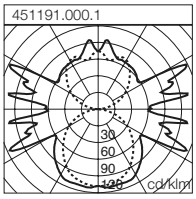
451199.000

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	12



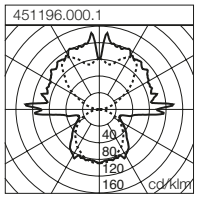
451191.000.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



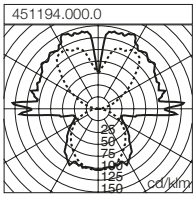
451196.000.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



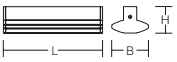
451194.000.0

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	12



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Ceiling and wall luminaires | Lavano





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Extruded aluminium profile base, lacquered. End caps aluminium, painted.
Diffuser: plastic, opal, allows for brilliant glittering light along the lines of the ellipse.

Available colours for decorative element: stainless steel, mirror finish (.0); aluminium, brushed (.1)

Available colour: white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Length L 580 mm							
451189.000.0	L 580, B 109, H 80	LED	830	2350 lm	23 W	on/off	A+
451189.000.0.76	L 580, B 109, H 80	LED	830	2350 lm	23 W	DALI	A+
451189.000.1	L 580, B 109, H 80	LED	830	2350 lm	23 W	on/off	A+
451189.000.1.76	L 580, B 109, H 80	LED	830	2350 lm	23 W	DALI	A+
Length L 860 mm							
451190.000.0	L 860, B 109, H 80	LED	830	3800 lm	35 W	on/off	A+
451190.000.0.76	L 860, B 109, H 80	LED	830	3800 lm	35 W	DALI	A+
451190.000.1	L 860, B 109, H 80	LED	830	3800 lm	35 W	on/off	A+
451190.000.1.76	L 860, B 109, H 80	LED	830	3800 lm	35 W	DALI	A+
Length L 1140 mm							
451191.000.1	L 1140, B 109, H 80	LED	830	5150 lm	47 W	on/off	A+
451191.000.1.76	L 1140, B 109, H 80	LED	830	5150 lm	47 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 36 W T26 (43 W CB)

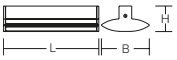
LED 35 W ≈
1 x 58 W T26 (67 W CB)

LED 47 W ≈
1 x 80 W T16 (86 W EB)

Two parallel diffusers with prismatic structure at the side for excellent light distribution.



Ceiling and wall luminaires | Lavano Wing





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Extruded aluminium profile base, lacquered. End caps aluminium, painted.
Diffuser (tapering at the sides): plastic (PMMA), opal, allows for brilliant glittering light.

Available colours for decorative element: stainless steel, mirror finish (.0); aluminium, brushed (.1)

Available colour: white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Length L 580 mm							
451194.000.0	L 580, B 150, H 80	LED	830	2550 lm	23 W	on/off	A+
451194.000.0.76	L 580, B 150, H 80	LED	830	2550 lm	23 W	DALI	A+
451194.000.1	L 580, B 150, H 80	LED	830	2550 lm	23 W	on/off	A+
451194.000.1.76	L 580, B 150, H 80	LED	830	2550 lm	23 W	DALI	A+
Length L 860 mm							
451195.000.0	L 860, B 150, H 80	LED	830	4150 lm	35 W	on/off	A+
451195.000.0.76	L 860, B 150, H 80	LED	830	4150 lm	35 W	DALI	A+
451195.000.1	L 860, B 150, H 80	LED	830	4150 lm	35 W	on/off	A+
451195.000.1.76	L 860, B 150, H 80	LED	830	4150 lm	35 W	DALI	A+
Length L 1140 mm							
451196.000.1	L 1140, B 150, H 80	LED	830	5700 lm	47 W	on/off	A+
451196.000.1.76	L 1140, B 150, H 80	LED	830	5700 lm	47 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 36 W T26 (43 W CB)

LED 35 W ≈
1 x 58 W T26 (67 W CB)

LED 47 W ≈
1 x 80 W T16 (86 W EB)

The conical diffusers generate a brightly sparkling amount of direct light along the contour of the ellipse.



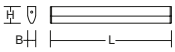


Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 15 W T26 (23 W CB)

LED 23 W ≈
1 x 36 W T26 (43 W CB)

Ceiling and wall luminaires | Lavano Uno



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Extruded aluminium profile base, lacquered. End caps aluminium, painted. Diffuser: plastic, opal, allows for brilliant glittering light along the lines of the ellipse.

Available colour: white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Length L 580 mm							
451198.000	L 580, B 40, H 83	LED	830	1250 lm	13 W	on/off	A+
451198.000.76	L 580, B 40, H 83	LED	830	1250 lm	13 W	DALI	A+
Length L 1140 mm							
451199.000	L 1140, B 40, H 83	LED	830	2500 lm	23 W	on/off	A+
451199.000.76	L 1140, B 40, H 83	LED	830	2500 lm	23 W	DALI	A+

Light colour 840 on request.



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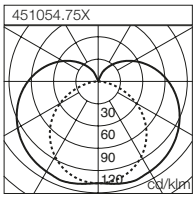
The application image shows:
Lavano Uno

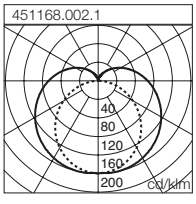


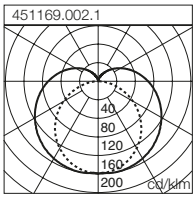
RT 44

Linear light fittings

- Timeless design
- Easy plug-in installation
- High degree of protection: IP 44 for use in wet areas
- Basic luminaire measuring 600 mm is the ideal size for mirrors
- Can be installed horizontally and vertically
- LED rated life 50,000 h (L70, B10)

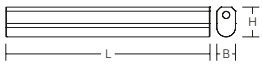






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Linear light fittings | RT 44





Type of Protection: **IP 44**, IP 21, if European flat plugs are used
Protection Class: I
Impact Protection: IK03

Base: metal, powder-coated. Diffuser: plastic (polycarbonate), opal. End caps: plastic (polycarbonate), shock-resistant. Comes standard with integrated ECG.

Available colours (X): 2 = white, 45 = white aluminium

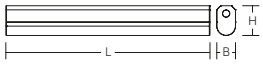
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall and mirror luminaires							**Price Category 11**
Length L 600 mm							
451168.002 .Q	L 600, B 55, H 87	LED	830	900 lm	10 W	on/off	A+
451168.002.1 .Q	L 600, B 55, H 87	LED	840	970 lm	10 W	on/off	A+
451054.75X	L 600, B 55, H 87	1 x T16 (T5) 14 W				on/off	A+
Length L 900 mm							
451169.002	L 900, B 55, H 87	LED	830	1350 lm	14 W	on/off	A+
451169.002.1	L 900, B 55, H 87	LED	840	1450 lm	14 W	on/off	A+
451055.75X	L 900, B 55, H 87	1 x T16 (T5) 21 W				on/off	A+ - B
with push button switch							
Length L 644 mm							
451170.002	L 644, B 55, H 87	LED	830	900 lm	10 W	on/off	A+
451170.002.1	L 644, B 55, H 87	LED	840	970 lm	10 W	on/off	A+
451056.75X	L 644, B 55, H 87	1 x T16 (T5) 14 W				on/off	A+
Length L 944 mm							
451171.002	L 944, B 55, H 87	LED	830	1350 lm	14 W	on/off	A+
451171.002.1	L 944, B 55, H 87	LED	840	1450 lm	14 W	on/off	A+
451057.75X	L 944, B 55, H 87	1 x T16 (T5) 21 W				on/off	A+ - B
with socket							
Length L 677 mm							
451172.002	L 677, B 55, H 87	LED	830	900 lm	10 W	on/off	A+
451172.002.1	L 677, B 55, H 87	LED	840	970 lm	10 W	on/off	A+
451058.75X	L 677, B 55, H 87	1 x T16 (T5) 14 W				on/off	A+
Length L 977 mm							
451173.002	L 977, B 55, H 87	LED	830	1350 lm	14 W	on/off	A+
451173.002.1	L 977, B 55, H 87	LED	840	1450 lm	14 W	on/off	A+
451059.75X	L 977, B 55, H 87	1 x T16 (T5) 21 W				on/off	A+ - B
with push button switch and with socket							
Length L 721 mm							
451174.002	L 721, B 55, H 87	LED	830	900 lm	10 W	on/off	A+
451174.002.1	L 721, B 55, H 87	LED	840	970 lm	10 W	on/off	A+
451060.75X	L 721, B 55, H 87	1 x T16 (T5) 14 W				on/off	A+
Length L 1021 mm							
451175.002	L 1021, B 55, H 87	LED	830	1350 lm	14 W	on/off	A+
451175.002.1	L 1021, B 55, H 87	LED	840	1450 lm	14 W	on/off	A+
451061.75X	L 1021, B 55, H 87	1 x T16 (T5) 21 W				on/off	A+ - B

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 24 W T16 (26 W EB)

LED 14 W ≈
1 x 36 W T26 (43 W CB)

Linear light fittings | RT 44 with movement sensor





Type of Protection: **IP 44**, IP 21, if European flat plugs are used
Protection Class: I
Impact Protection: IK03

Base: metal, powder-coated. Diffuser: plastic (polycarbonate), opal. End caps: plastic (polycarbonate), shock-resistant. Comes standard with integrated ECG.

Available colours (X): 2 = white, 45 = white aluminium

IR movement sensor parameters at a ceiling or wall-mounted height of min. 1,7 m
- Range 1-8 m, diameter, adjustable
- Time control approx. 3 - 30 minutes, adjustable
- Range: horizontal 360° and vertical approx. 110°
- Switching capacity: 400 VA

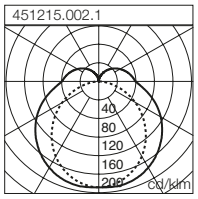
Reference number	Dimensions	Lamp	dimm-able	EEC
Wall and mirror luminaires with movement sensor				**Price Category 11**
Length L 657 mm				
451054.75X.19	L 657, B 55, H 87	1 x T16 (T5) 14 W	on/off	A+

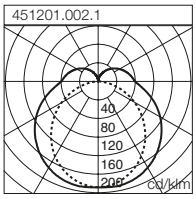


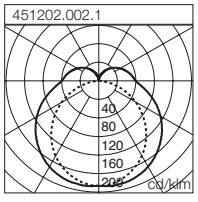
BALEVA®

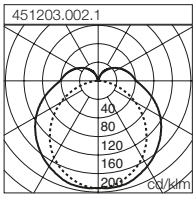
Ceiling and wall luminaires

- Timeless and functional design
- Soft and homogeneous illumination through opal diffuser
- High protection class IP 44 (wall mounting) for use in wet areas
- Quick and easy to install
- 2 central cable inlets for looping the cable
- Diffuser can be assembled without the use of tools
- Horizontal and vertical mounting allows you to find a suitable solution for most applications
- LED rated life 50,000 h (L80, B10)
- Ideal for sanitary areas, corridors, waiting areas, nursing homes, patient rooms









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Ceiling and wall luminaires | Baleva



Type of Protection: **IP 40** Ceiling mounting, **IP 44** wall mounting
Protection Class: II
Impact Protection: IK07

Body and end caps made of white plastic. Diffuser: plastic, opal.
Converter integrated and encapsulated.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Linear luminaires							**Price Category 11**
Length L 500 mm							
451215.002	L 500, B 46, H 60	LED	830	900 lm	10 W	on/off	A+
451215.002.1	L 500, B 46, H 60	LED	840	900 lm	10 W	on/off	A+
Length L 600 mm							
451201.002 .Q	L 600, B 46, H 60	LED	830	980 lm	10 W	on/off	A+
451201.002.1 .Q	L 600, B 46, H 60	LED	840	990 lm	10 W	on/off	A+
Length L 900 mm							
451202.002	L 900, B 46, H 60	LED	830	1450 lm	14 W	on/off	A+
451202.002.1	L 900, B 46, H 60	LED	840	1500 lm	14 W	on/off	A+
Length L 1200 mm							
451203.002	L 1200, B 46, H 60	LED	830	2050 lm	19 W	on/off	A+
451203.002.1	L 1200, B 46, H 60	LED	840	2050 lm	19 W	on/off	A+

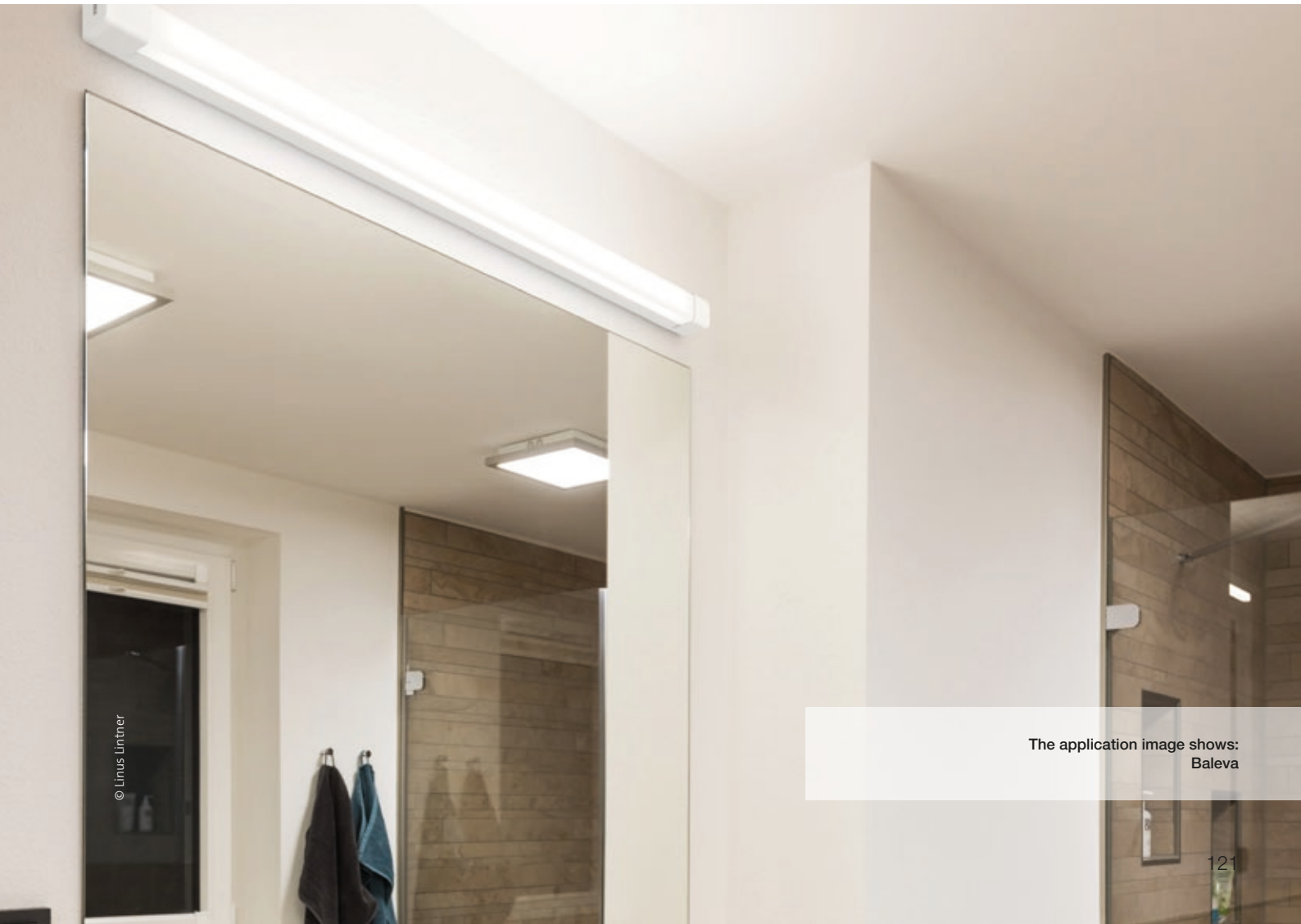


Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 24 W T16 (26 W EB)

LED 14 W ≈
1 x 28 W T16 (31 W EB)

LED 19 W ≈
1 x 36 W T26 (43 W CB)



The application image shows:
Baleva



DALI



Comparison
LED vs. conventional lamps

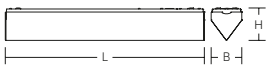
LED 21 W ≈
1 x 24 W T16 (26 W EB)

LED 28 W ≈
1 x 39 W T16 (42 W EB)

LED 40 W ≈
1 x 54 W T16 (58 W EB)

LED 49 W ≈
1 x 80 W T16 (86 W EB)

Ceiling and wall luminaires | Polymero Long



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Housing: sheet steel, powder-coated, white. Diffuser: frosted PMMA plastic, with prisms. Diffuser fastening: spring system.

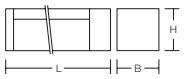
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Length L 585 mm							
312128.002	L 585, B 90, H 102	LED	830	2400 lm	21 W	on/off	A++
312128.002.76	L 585, B 90, H 102	LED	830	2400 lm	21 W	DALI	A++
312128.002.1	L 585, B 90, H 102	LED	840	2500 lm	21 W	on/off	A++
312128.002.1.76	L 585, B 90, H 102	LED	840	2500 lm	21 W	DALI	A++
Length L 885 mm							
312129.002	L 885, B 90, H 102	LED	830	3450 lm	28 W	on/off	A++
312129.002.76	L 885, B 90, H 102	LED	830	3450 lm	28 W	DALI	A++
312129.002.1	L 885, B 90, H 102	LED	840	3600 lm	28 W	on/off	A++
312129.002.1.76	L 885, B 90, H 102	LED	840	3600 lm	28 W	DALI	A++
Length L 1185 mm							
312130.002	L 1185, B 90, H 102	LED	830	4800 lm	40 W	on/off	A++
312130.002.76	L 1185, B 90, H 102	LED	830	4800 lm	40 W	DALI	A++
312130.002.1	L 1185, B 90, H 102	LED	840	5000 lm	40 W	on/off	A++
312130.002.1.76	L 1185, B 90, H 102	LED	840	5000 lm	40 W	DALI	A++
Length L 1485 mm							
312131.002	L 1485, B 90, H 102	LED	830	5900 lm	49 W	on/off	A++
312131.002.76	L 1485, B 90, H 102	LED	830	5900 lm	49 W	DALI	A++
312131.002.1	L 1485, B 90, H 102	LED	840	6150 lm	49 W	on/off	A++
312131.002.1.76	L 1485, B 90, H 102	LED	840	6150 lm	49 W	DALI	A++

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Linear light fittings | R40





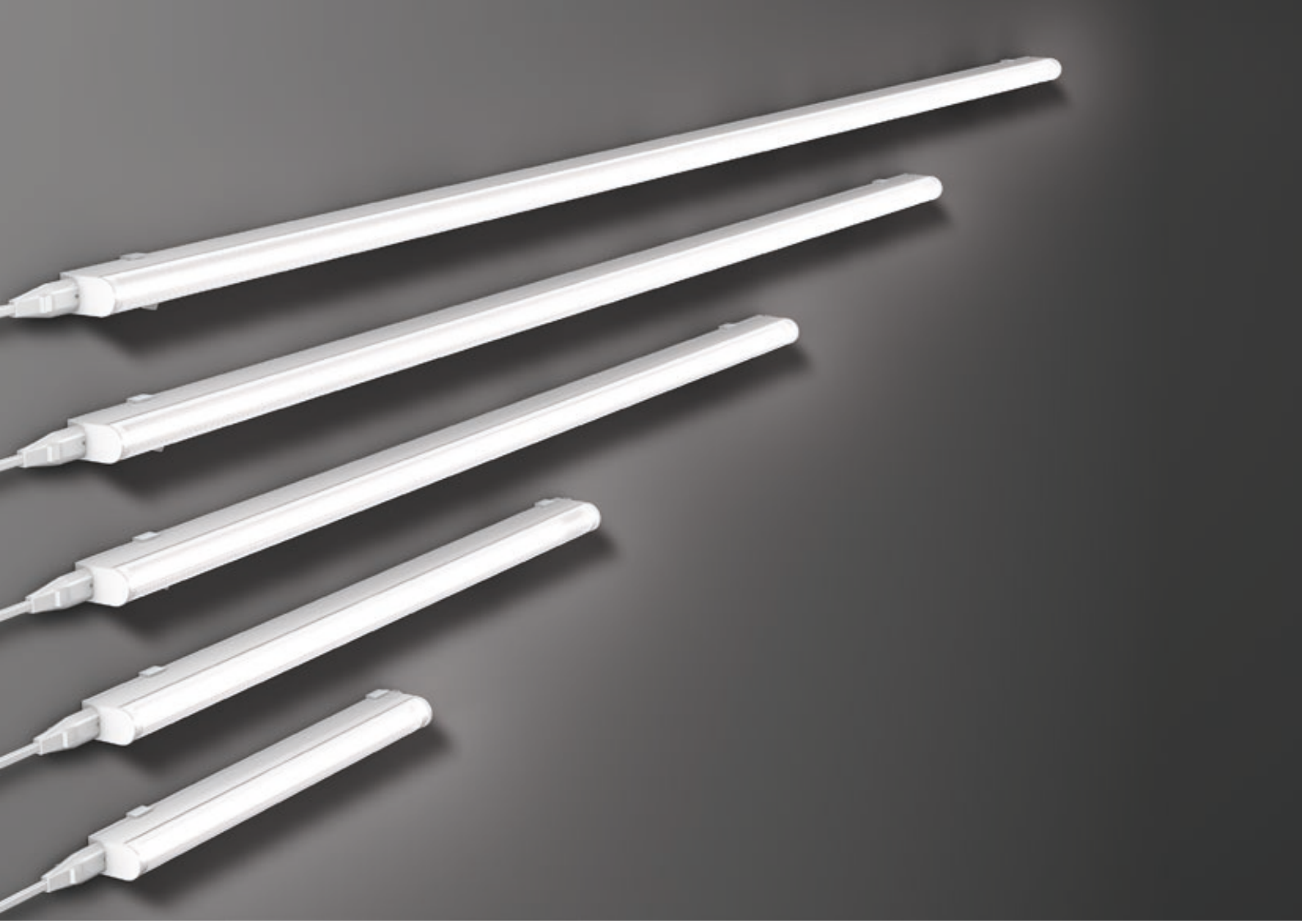
Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: plastic. Opal glass: mouth blown, silk finish.

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Linear luminaires				**Price Category 11**
without socket				
L 315 mm				
40120.002.1	L 315, B 55, H 80	2 x E14® 40 W	on/off	A+ - E
L 315 mm, with tip switch				
40122.002.1	L 315, B 55, H 80	2 x E14® 40 W	on/off	A+ - E
L 457 mm				
40130.002.1	L 457, B 55, H 80	3 x E14® 40 W	on/off	A+ - E
L 457 mm, with tip switch				
40132.002.1	L 457, B 55, H 80	3 x E14® 40 W	on/off	A+ - E
with socket				
L 355 mm				
40123.002.1	L 355, B 55, H 80	2 x E14® 40 W	on/off	A+ - E
L 355 mm, with tip switch				
40125.002.1	L 355, B 55, H 80	2 x E14® 40 W	on/off	A+ - E
L 500 mm				
40133.002.1	L 500, B 55, H 80	3 x E14® 40 W	on/off	A+ - E
L 500 mm, with tip switch				
40135.002.1	L 500, B 55, H 80	3 x E14® 40 W	on/off	A+ - E

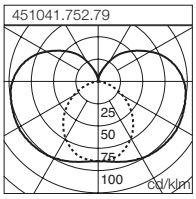
Replacement glasses			**Price Category 13**
05-40120	L 289, B 55, H 55	for lengths 315 mm and 355 mm	
05-40130	L 433, B 55, H 55	for lengths 457 mm and 500 mm	

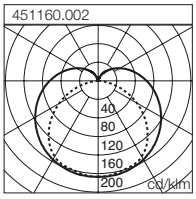


STRIP-LIGHT

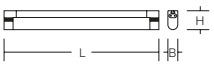
Ceiling and wall luminaires

- Universally suitable for store lighting, vault lighting, kitchen and bathroom lighting
- Excellent light distribution thanks to prismatic lamp cover
- Easy to mount with clips
- Suitable for light channel (12 luminaires) and furniture lighting
- Suitable for mounting on or in furniture
- Included in delivery: 1.80 m power cable, 150 mm connecting cable, straight rigid coupling and 2 brackets each for wall and ceiling mounting
- LED rated life 25,000 h (L70, B50)





Ceiling and wall luminaires | Strip-Light LED





Type of Protection: IP 20
Protection Class: II
Impact Protection: IK02

Base: plastic. Diffuser: transparent plastic, prismatic. Connecting cables for through-wiring without tools. With rocker switch.
Suitable for mounting on or into furniture.
Included in delivery: 1.80 m power supply cable, 150 mm connecting cable, straight rigid coupling and 2 brackets each for wall and ceiling mounting. Max. 12 luminaires can be mounted as a light channel.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Linear luminaires							**Price Category 11**
Length L 275 mm							
451156.002	L 275, B 23, H 37	LED	830	380 lm	4 W	on/off	A+
451156.002.1	L 275, B 23, H 37	LED	840	420 lm	4 W	on/off	A+
Length L 503 mm							
451157.002	L 503, B 23, H 37	LED	830	680 lm	7 W	on/off	A+
451157.002.1	L 503, B 23, H 37	LED	840	740 lm	7 W	on/off	A+
Length L 536 mm							
451181.002	L 536, B 23, H 37	LED	830	800 lm	8 W	on/off	A+
451181.002.1	L 536, B 23, H 37	LED	840	900 lm	8 W	on/off	A+
Length L 836 mm							
451158.002 .Q	L 836, B 23, H 37	LED	830	1200 lm	13 W	on/off	A+
451158.002.1	L 836, B 23, H 37	LED	840	1250 lm	13 W	on/off	A+
Length L 1136 mm							
451159.002 .Q	L 1136, B 23, H 37	LED	830	1750 lm	18 W	on/off	A+
451159.002.1	L 1136, B 23, H 37	LED	840	1850 lm	18 W	on/off	A+
Length L 1436 mm							
451160.002 .Q	L 1436, B 23, H 37	LED	830	2100 lm	22 W	on/off	A+
451160.002.1	L 1436, B 23, H 37	LED	840	2400 lm	22 W	on/off	A+

Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 13 W T16 (15 W EB)

LED 7 W ≈
1 x 14 W T16 (18 W EB)

LED 8 W ≈
1 x 21 W T16 (24 W EB)

LED 13 W ≈
1 x 24 W T16 (26 W EB)

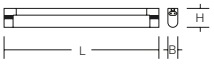
LED 18 W ≈
1 x 35 W T16 (38 W EB)

LED 22 W ≈
1 x 39 W T16 (42 W EB)

Accessories			Price Category 11
981457.002	L 1800	Power supply cable (Europlug with socket)	
981470.002	L 47, B 47, H 42	Corner connectors	
981464.002	L 300	Connecting cable	
981466.002	L 600	Connecting cable	
981467.002	L 900	Connecting cable	



Ceiling and wall luminaires | T5 Strip-Light





Type of Protection: IP 20
Protection Class: II
Impact Protection: IK02

Base: plastic. Diffuser: transparent plastic, prismatic. Cold start ballast. Connecting cables for through-wiring without tools. With rocker switch.
Suitable for mounting on or into furniture.
Included in delivery: 1.80 m power supply cable, 150 mm connecting cable, straight rigid coupling and 2 brackets each for wall and ceiling mounting. Max. 10 luminaires can be mounted as a light channel.

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Linear luminaires				**Price Category 11**
451035.752.79	L 345, B 22, H 44	1 x T16 (T5) 8 W	on/off	A - B
451036.752.79	L 575, B 22, H 44	1 x T16 (T5) 13 W	on/off	A - B
451037.752.79	L 605, B 22, H 44	1 x T16 (T5) 14 W	on/off	A+
451038.752.79	L 905, B 22, H 44	1 x T16 (T5) 21 W	on/off	A+ - B
451040.752.79	L 1205, B 22, H 44	1 x T16 (T5) 28 W	on/off	A+
451041.752.79	L 1505, B 22, H 44	1 x T16 (T5) 35 W	on/off	A+

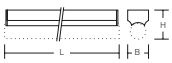
Accessories			Price Category 11
981457.002	L 1800	Power supply cable (Europlug with socket)	
981470.002	L 47, B 47, H 42	Corner connectors	
981464.002	L 300	Connecting cable	
981466.002	L 600	Connecting cable	
981467.002	L 900	Connecting cable	







Striplights | Set of ISO striplights with LED lamp



Type of Protection: **IP 40**
Protection Class: II
Impact Protection: IK02

Base: plastic. With push button switch. **LED lamp included**.
Lamp contacts disconnection during lamp replacement.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Striplights							**Price Category 11**
411015.002.1	L 300, B 35, H 58	LED	827	400 lm	5 W	on/off	A+
411016.002.1	L 500, B 35, H 58	LED	827	610 lm	8 W	on/off	A+



Striplights | Set of aluminium striplights with LED lamp



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: aluminium extrusion profile. End caps: plastic. With push button switch.
LED lamp included. Lamp contacts disconnection during lamp replacement.

Available colour: 4 = aluminium, anodised

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Striplights							**Price Category 11**
411017.004.1	L 300, B 35, H 58	LED	827	390 lm	5 W	on/off	A+
411018.004.1	L 500, B 35, H 58	LED	827	620 lm	8 W	on/off	A+
411019.004.1	L 1000, B 35, H 58	LED	827	1200 lm	16 W	on/off	A

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Striplights | ISO striplights for linear lamps





Type of Protection: **IP 40**
Protection Class: II
Impact Protection: IK02

Base: plastic. Lamp contacts disconnection during lamp replacement.

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Striplights				**Price Category 11**
without push button switch				
41110.002.1	L 300, B 35, H 58	1 x L-DE 35 W	on/off	A+ - E
41120.002.1	L 500, B 35, H 58	1 x L-DE 60 W	on/off	A+ - B
with push button switch				
41111.002.1	L 300, B 35, H 58	1 x L-DE 35 W	on/off	A+ - E
41121.002.1	L 500, B 35, H 58	1 x L-DE 60 W	on/off	A+ - B

Striplights | Aluminium striplights for linear lamps





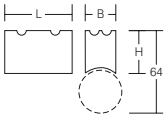
Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: aluminium, powder-coated / anodised. End caps: plastic.
Lamp contacts disconnection during lamp replacement.

Available colours (X): 2 = white, 4 = aluminium, anodised

Reference number	Dimensions	Lamp	dimm-able	EEC
Striplights				**Price Category 11**
without push button switch				
41530.00X	L 300, B 35, H 58	1 x L-DE 35 W	on/off	A+ - E
41510.00X	L 500, B 35, H 58	1 x L-DE 60 W	on/off	A+ - B
41520.00X	L 1000, B 35, H 58	1 x L-DE 120 W	on/off	A - B
with push button switch				
41531.00X	L 300, B 35, H 58	1 x L-DE 35 W	on/off	A+ - E
41511.00X	L 500, B 35, H 58	1 x L-DE 60 W	on/off	A+ - B
41521.00X	L 1000, B 35, H 58	1 x L-DE 120 W	on/off	A - B

ISO lampholders for linear lamps





Type of Protection: IP 20
Protection Class: II
Impact Protection: IK02

Individual lampholder. Without strain relief for connecting cable.

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Individual lampholder				**Price Category 11**
for lamps with central sockets				
41401.002	L 60, B 23, H 38	1 x L 35 W (S14d)	on/off	A+ - E
Individual lampholder (pair)				**Price Category 11**
for lamps with sockets at both ends				
41402.002	L 60, B 23, H 38	1 x L-DE 120 W (S14s)	on/off	A+ - E

LED linear lamp			**Price Category 11**
double socket S14s			
10-2331	L 300, D 30	LED L-DE, 300 lm, 5 W, 2700 K, A+	
10-2332	L 500, D 30	LED L-DE, 500 lm, 8 W, 2700 K, A+	
10-2333	L 1000, D 30	LED L-DE, 1000 lm, 16 W, 2700 K, A	
single socket S14d			
10-2334	L 300, D 30	LED L, 300 lm, 5 W, 2700 K, A+	
10-2335	L 500, D 30	LED L, 500 lm, 8 W, 2700 K, A+	

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 8 W T16 (11 W EB)

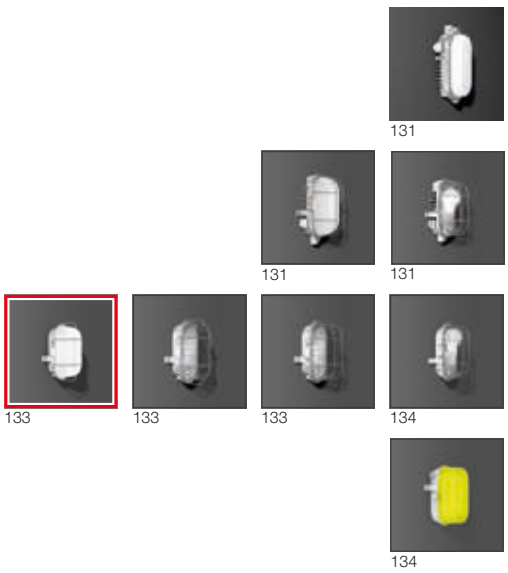
LED 8 W ≈
1 x 13 W T16 (15 W EB)

LED 16 W ≈
1 x 24 W T16 (26 W EB)



The application image shows:
Alu-Standard LED

© Linus Lintner



Areno

130-131

Alu oval bulkheads

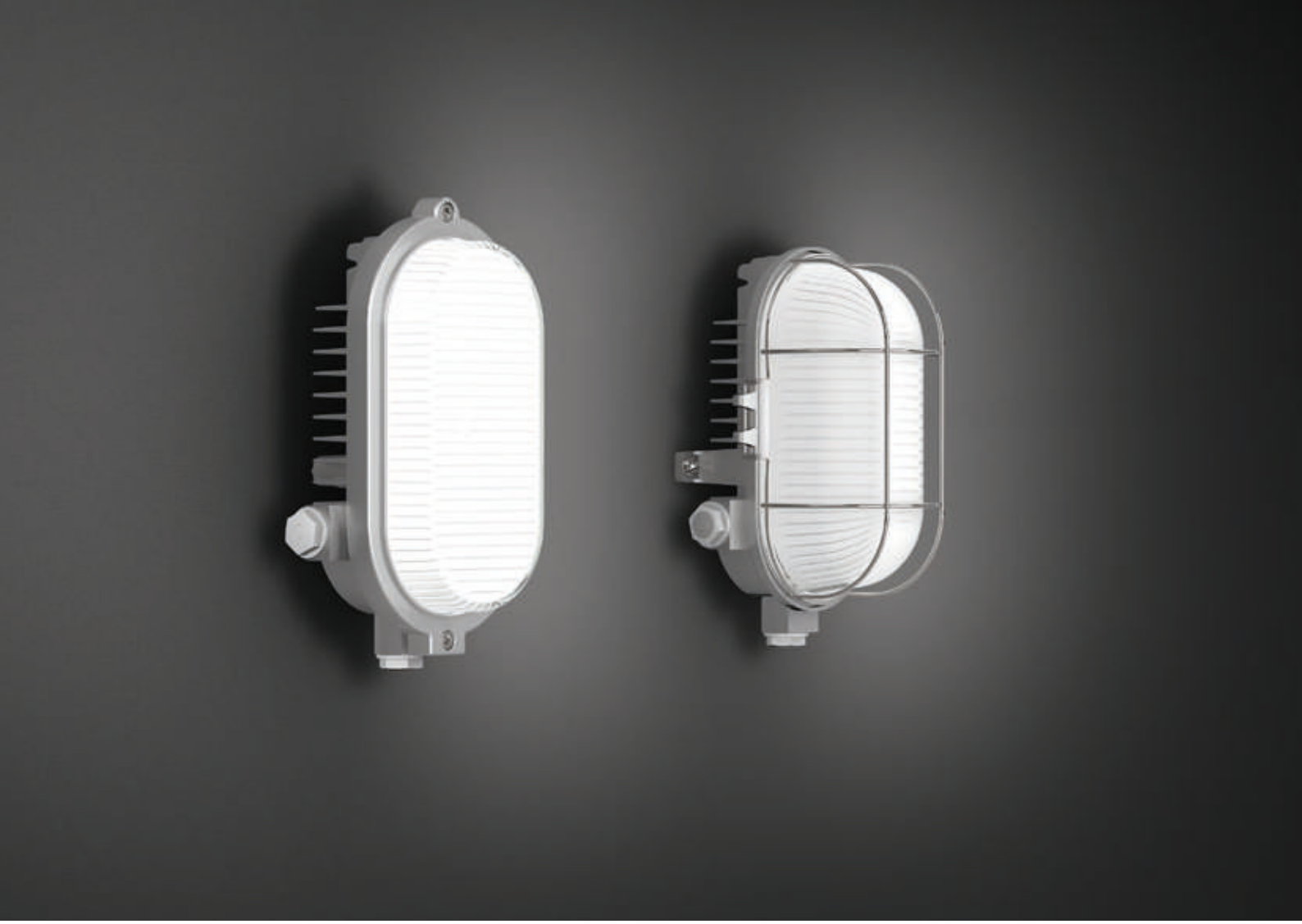
130-131

Plastic oval bulkheads

132-135

Signal luminaires

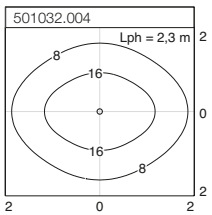
134

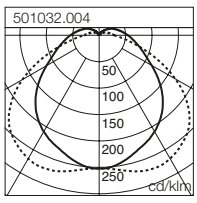


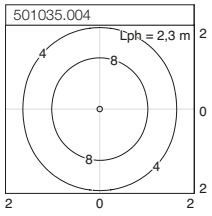
ALU OVAL BULKHEAD LUMINAIRES

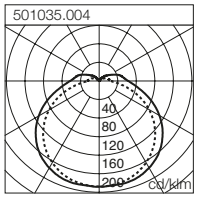
Ceiling and wall luminaires

- The oval bulkhead luminaire, a RZB classic re-interpreted.
- LED technology for high levels of energy efficiency
- Virtually maintenance-free operation
- Base made of die-cast aluminium
- Impact resistant crystal glass, coated on the inside
- Suitable for use in harsh conditions (e.g. industry and wind power stations, cold storage areas, etc.)
- Operating range: -30°C to +40°C
- LED rated life 32,000 hours (L70, B50)



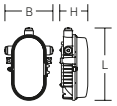






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Areno



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Base: pressure die-cast aluminium, powder-coated. With three cable inlets: M20x1.5.
Cover: glass, painted white inside, textured. Bezel ring: powder coated die-cast aluminium, screwed on the luminaire. Drill holes at the inside, with silicone scaling ring.

Available colour: 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
501036.004.1	L 227, B 141, H 87	LED [1]	830	220 lm	9 W	on/off	A+
501036.004	L 227, B 141, H 87	LED [1]	840	220 lm	9 W	on/off	A+
501035.004.1	L 227, B 141, H 87	LED [1]	830	420 lm	18 W	on/off	A+
501035.004	L 227, B 141, H 87	LED [1]	840	430 lm	18 W	on/off	A+

Replacement glasses		
		Price Category 13
05-50200.042	L 188, B 97, H 40	

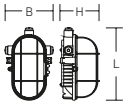
product design award 2010 · reddot design award winner 2010 · German Design Award 2012 SILVER

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 40 W GLS (40 W)

LED 18 W ≈
1 x 60 W GLS (60 W)

Die-cast aluminium oval bulkhead luminaires, impact resistant | Alu-Standard LED



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK02

Base: pressure die-cast aluminium, powder-coated. Screw mounting for with protective guard. With three cable inlets: M20x1.5. Crystal glass: textured, satin finish. Protective guard: steel wire, galvanised.

Available colour: 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
501031.004.1	L 210, B 130, H 115	LED [1]	830	370 lm	9 W	on/off	A+
501031.004	L 210, B 130, H 115	LED [1]	840	380 lm	9 W	on/off	A+
501032.004.1	L 210, B 130, H 120	LED [1]	830	720 lm	18 W	on/off	A+
501032.004	L 210, B 130, H 120	LED [1]	840	720 lm	18 W	on/off	A+

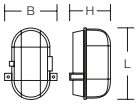
Replacement glasses		
		Price Category 13
05-50200.020	L 188, B 97, H 64	

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 40 W GLS (40 W)

LED 18 W ≈
1 x 60 W GLS (60 W)

Die-cast aluminium oval bulkhead luminaires, impact resistant | Alu-Standard



Type of Protection: **IP 43**
Protection Class: I
Impact Protection: IK07

Base: pressure die-cast aluminium, powder-coated. Screw mounting for with protective guard. With three cable inlets: M20x1.5. Crystal glass: transparent. Protective guard: steel wire, galvanised.

The lampholder must be pointed downwards for wall mounting (lamp upright).

Available colour: 4 = silver coloured



Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling and wall luminaires				**Price Category 11**
50700.004 .Q	L 210, B 130, H 120	1 x E27® 60 W	on/off	A++ - E
50702.004 .Q	L 210, B 130, H 120	1 x E27® 100 W	on/off	A++ - E

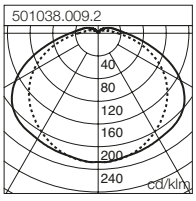
Replacement glasses		
		Price Category 13
05-50200	L 188, B 97, H 64	

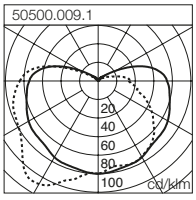


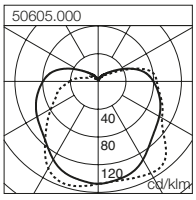
PLASTIC OVAL LUMINAIRES

Ceiling and wall luminaires

- Ideal for use with movement sensors thanks to virtually unlimited switching capacity and immediate provision of light when switched on
- LED technology for high levels of energy efficiency
- LED rated life 50,000 h (L70, B50); Signal luminaires (32.000 h (L70, B50)
- Operating range: -20°C to +30°C
- Impact resistant crystal glass, coated on the inside

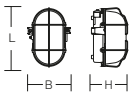






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Oval bulkhead luminaires, plastic, impact resistant | Oval bulkhead ECO-LED





Type of Protection: **IP 44**
Protection Class: II
Impact Protection: IK03

Base: plastic. Snap-on protective guard. Crystal glass: textured, satin finish.
Protective guard: steel wire, galvanised. 5 cable entries.

Available colour: 9 = grey

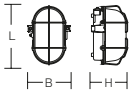
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
501038.009.1 .Q	L 176, B 122, H 110	LED	830	660 lm	7 W	on/off	A+
501038.009.2 .Q	L 176, B 122, H 110	LED	840	710 lm	7 W	on/off	A+

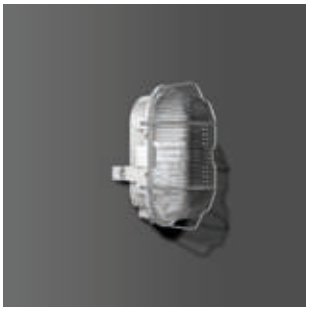
Replacement glasses		Price Category 13
650-3002-05	L 165, B 90, H 65	

Comparison
LED vs. conventional lamps

LED 7 W ≈
1 x 75 W GLS (75 W)

Oval bulkhead luminaires, plastic, impact resistant | Standard





Type of Protection: **IP 44**
Protection Class: II
Impact Protection: IK07

Base: plastic. Snap-on protective guard. Crystal glass: transparent.
Protective guard: steel wire, galvanised. 5 cable entries.

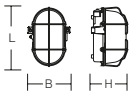
The lampholder must be pointed downwards for wall mounting (lamp upright).

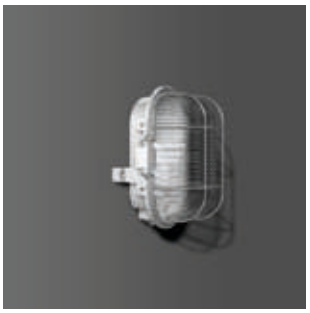
Available colour: 9 = grey

Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling and wall luminaires				**Price Category 11**
50500.009.1 .Q	L 176, B 122, H 110	1 x E27® 60 W	on/off	A++ - E

Replacement glasses		Price Category 13
650-3002	L 165, B 89, H 65	

Oval bulkhead luminaires, plastic, impact resistant | Standard





Type of Protection: **IP 44**
Protection Class: II
Impact Protection: IK07

Base: plastic. Screw mounting for with protective guard.
Crystal glass: transparent. Protective guard: steel wire, galvanised. 5 cable entries.

The lampholder must be pointed downwards for wall mounting (lamp upright).

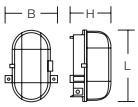
Available colour: 9 = grey

Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling and wall luminaires				**Price Category 11**
50500.889.1 .Q	L 176, B 122, H 110	1 x E27® 60 W	on/off	A++ - E

Replacement glasses		Price Category 13
650-3002	L 165, B 89, H 65	



Oval bulkhead luminaires, plastic, impact resistant | Standard



Type of Protection: **IP 44**
Protection Class: II
Impact Protection: IK07

Base: plastic. Screw mounting for with protective guard. Crystal glass: transparent.
Protective guard: steel wire, galvanised. Four cable inlets, one of which is located at the back.

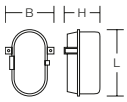
The lampholder must be pointed downwards for wall mounting (lamp upright).

Available colour: 9 = grey

Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling and wall luminaires				**Price Category 11**
50400.009.1 .Q	L 193, B 126, H 115	1 x E27® 100 W	on/off	A++ - E
Replacement glasses				**Price Category 13**
05-50200	L 188, B 97, H 64			



Oval bulkhead luminaires, plastic | Signal luminaires



Type of Protection: **IP 43**
Protection Class: I = LED, II = E27
Impact Protection: IK04

Base: plastic, grey. Screw mounting of diffuser.
Diffuser: plastic, coloured, smooth finish. Two cable inlets.

RZB signal luminaires bear the identification: Signal light DIN 67527-C-2-3.

Wall luminaires have to be mounted with the lamp socket in upward position (lamp hanging downwards!)

Available colours: 0 = white, transparent, 7 = yellow, 8 = red

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 75 W GLS (75 W)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
50608.007	L 195, B 132, H 115	LED [1]	830	280 lm	9 W	on/off	A+
50608.008	L 195, B 132, H 115	LED [1]	830	45 lm	9 W	on/off	A+
50608.000.1	L 195, B 132, H 115	LED [1]	840	500 lm	9 W	on/off	A+
50605.000	L 195, B 132, H 115	1 x E27® 60 W				on/off	A++ - E
50605.007	L 195, B 132, H 115	1 x E27® 60 W				on/off	A++ - E
50605.008	L 195, B 132, H 115	1 x E27® 60 W				on/off	A++ - E







Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Alu-Standard



The application image shows:
Flat Polymero Kreis

© Linus Lintner

Ring of Fire
144-149


147

147

148

148

Sidelite Ellypsoid
150-151


151

Scapha
152-153


153

Douala
154-155


155

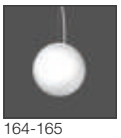
Douala Slim
156-157


157

Douala Kristall
158-159


159

Basic Ball
160-165


161-163

164-165

Cylio
166-169


167

167

168

168

Tholus
170


170

170


171

Glasdownlight
171


173


174

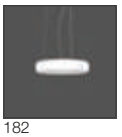
Deecos P
172-175


177

Toledo Flat
176-177


179


181


182

Flat Polymero Kreis
178-183


185


185


186

Flat Polymero
184-187


188

Less is more 27 Kristall
188-189


191

Lavano
190-191


191

Lavano Wing
190-191


191

Lavano Uno
190-191

DECORATIVE BUILT-IN PENDANT SET

At a glance

Flush-integrated ceiling connection for pendant luminaires

Minimalist ceiling outlets create new possibilities for elegantly hanging pendant luminaires. Suspension and electrical connection are reduced to just 28 mm and integrated flush into the ceiling.
The canopy outlet not only improves the aesthetics of the room but is also very user friendly and easy to install.

Design: Georg Bechter Licht, Langenegg | AT

reddot award 2015 winner

GERMAN DESIGN AWARD SPECIAL 2017

ICONIC AWARDS 2014 product best of best

Available for



Tholus
170



Deecos P
173-174



TWINDOT K
245

EXPOSED CONCRETE CAPSULE 28

The concrete capsule can be placed on the formwork simply and practically without the use of tools. The distance between the capsule neck and the front edge of the concrete means the capsule remains invisible.

PLASTER CAPSULE 28
(for concrete ceilings to be plastered)

The plaster capsule can be adjusted to the desired plaster or filler thickness with the help of the plaster ring.

FILLER INSERT 28
(for suspended ceilings)

The filler insert can be threaded into a standard 68-mm hole, screwed on and filled.



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



M1:1

Canopy outlet

The frameless
ceiling connection
for every pendant
luminaire in original size.

**The application image shows:
Standard canopy and
decorative recessed pendant
set for Deecos P pendant luminaires**

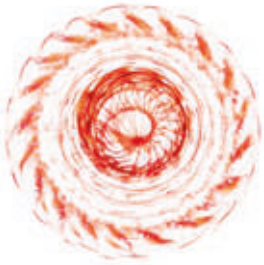
MURANO GLASS

VENICE LEGEND

The venetian art of glassmaking is considered legendary to this day. Pioneers of this craft, like the world famous company Ferro from Murano, have been keeping this tradition carefully over many generations and share their know-how advisedly selected. The cooperation of the old master Guido Ferro and RZB unite the venetian art of glassmaking and the high standards in design and technology of RZB; it is cross-border appreciation and synergy at the same time. The result is a liaison between glass and light that definitely can be regarded as epic work.

More than 700 years of craftsmanship, tradition and passion “a la Ferro” make each of the hand-blown glass panels a touchingly beautiful individual item. Each millimetre of this “levitating” circle is steeped in light; the seamless, almost playful colouring of the Murano glass is brought to live in a fascinating way. Great designing skills, construction expertise that has been perfected over decades and pathbreaking LED technology were required to create such even light control and luminance. Through this, the quality and substance of RZB LUMINAIRES FerroMurano are rationally explained - but not its almost magic aesthetics. It remains a secret.

Each legend lives through one...



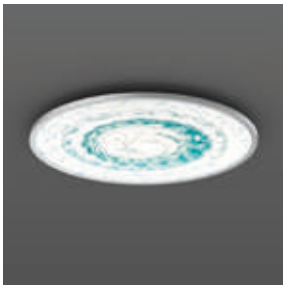




Luminaires with glass FerroMurano:



Triona FerroMurano
Surface mounted modular luminaires
Page 217



Sidelite Round FerroMurano
Surface mounted modular luminaires
Page 225



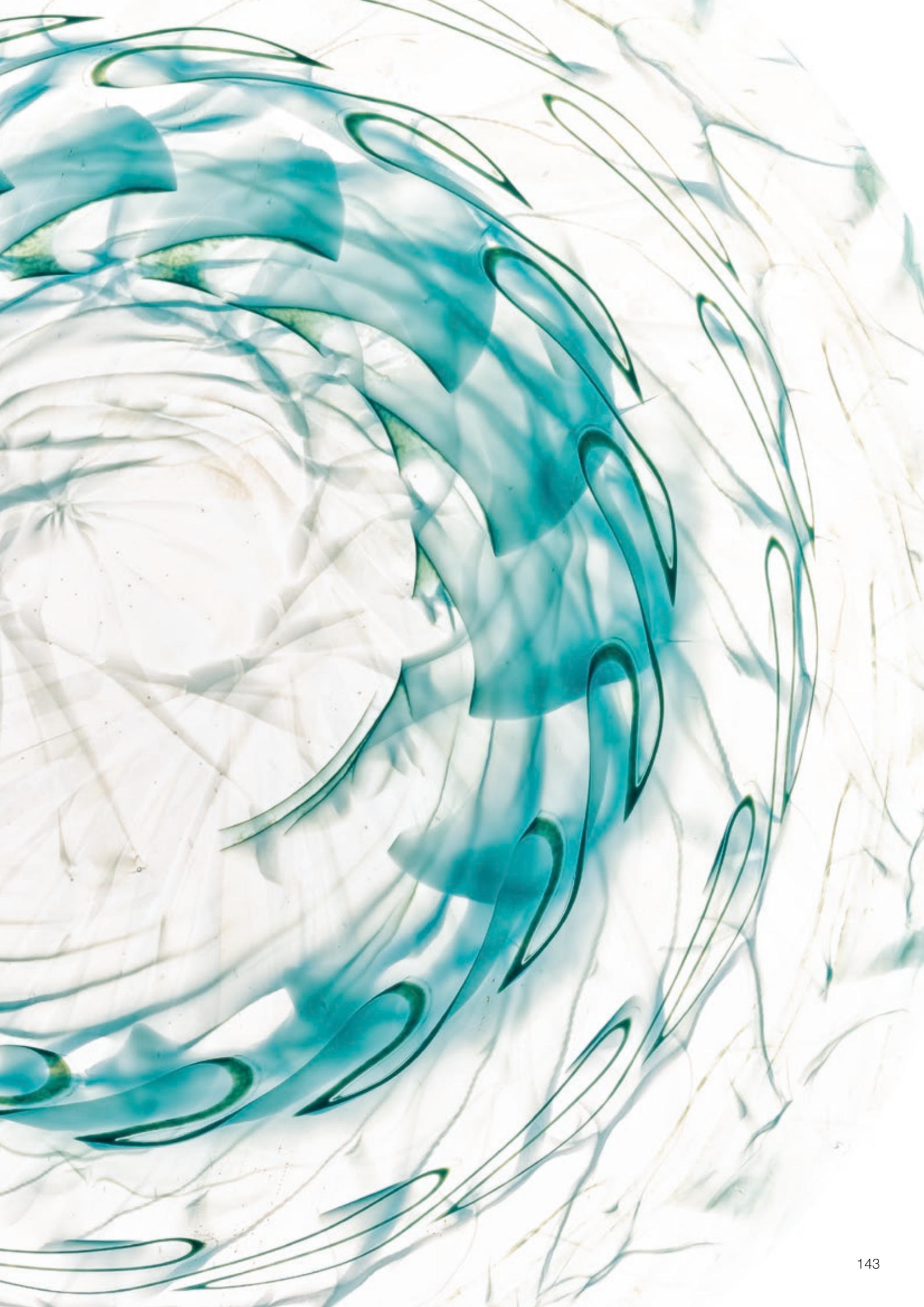
Triona FerroMurano
Suspended modular luminaires
Page 253



Sidelite Round FerroMurano
Suspended modular luminaires
Page 259



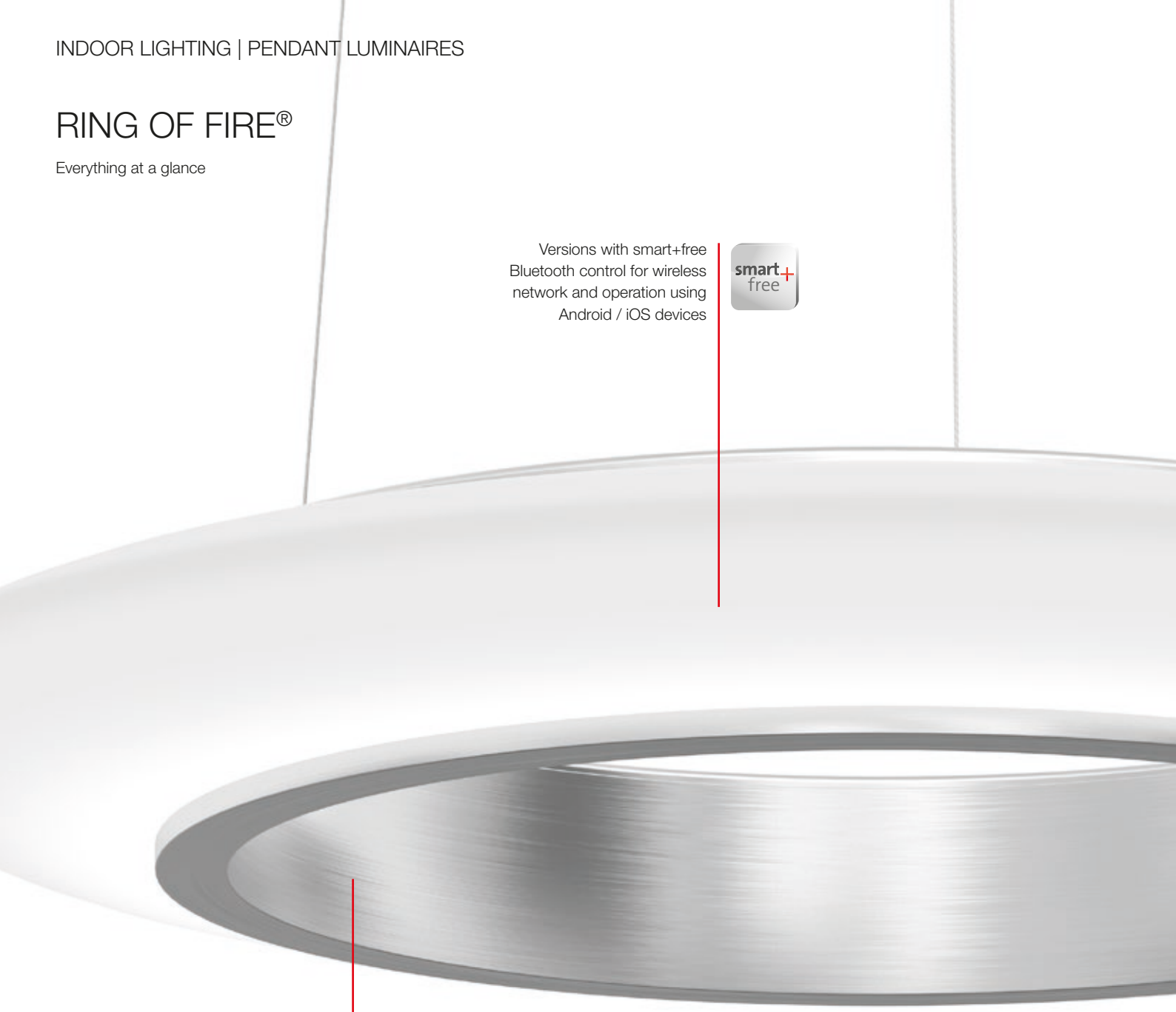
Ring of Fire FerroMurano
Pendant luminaire
Page 148



RING OF FIRE®

Everything at a glance

Versions with smart+free Bluetooth control for wireless network and operation using Android / iOS devices



Ring made of anodised aluminium or gold (Powder coating in different RAL colours on request)



Two glass forms



Steel cable suspension,
steplessly adjustable

Power supply through suspension cable
(on/off and DALI) or through separate
cable (smart+free)





Tunable white versions dynamically
adjustable from 2700 K to 6500 K



Mouth-blown opal glass,
satin finish.



HANDMADE MASTERPIECE

⊕ Mouth-blown opal glass

The ring is made of mouth-blown three-layer glass comprising a layer of opal glass sandwiched between layers of transparent glass. This structure protects the fragile opal glass from breakage.

⊕ Glass mass

The glassblower then forms the gob (the 16 kg heavy molten glass) by blowing into the blowpipe and rotating it. This element is then blown further in a special ring mould.

⊕ Perceived value

The ring is then finished in an etching bath, which deposits a matt surface on the outer transparent-glass layer. This underscores additionally the perceived value of the luminaire with regard to haptics and appearance.

⊕ Unique

The minute air inlets here and there in the glass are a very special feature of RZB's Ring of Fire luminaires, attesting as they do to the individual, handcrafted quality of these products. These various steps ensure that each RING OF FIRE luminaire is a unique, mouth-blown glass object.



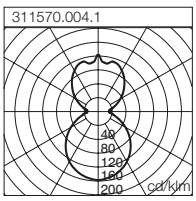
RING OF FIRE®

Pendant luminaires

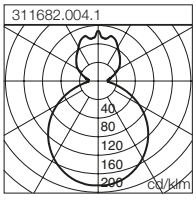
- An interior luminaire that is in a class of its own
- With outstanding design and durability attributes:
  - In the ring version as pendant luminaire
  - As a variant with opal or Murano glass diffusor in the inner circle
  - In the half ring version as s wall luminaire
- Power supply through the suspension cable
- Steplessly adjustable steel cable suspension
- Provides a large amount of indirect light

- Lighting technology and design lend themselves to long service life as a stylish element for interior decoration
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- Tunable white versions dynamically adjustable from 2700 K to 6500 K
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

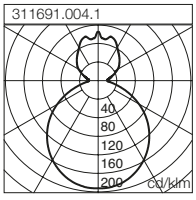
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Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	8



311682.004.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



311691.004.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5

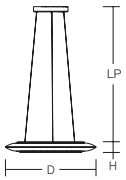




Further luminaires of this series, see:
Indoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Ring of Fire





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colours (X): 4 = aluminium, anodised, 5 = gold

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Sensor — Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Diameter D 495 mm, canopy Ø 221 mm, h 36 mm								
311669.004	D 495, H 55	LED	830	2650 lm	30 W	21,6	on/off	A++
311669.004.730	D 495, H 55	LED	830	2650 lm	30 W	21,6	smart+free	A++
311669.004.76	D 495, H 55	LED	830	2650 lm	30 W	21,6	DALI	A++
311669.004.1	D 495, H 55	LED	840	2750 lm	30 W	21,9	on/off	A++
311669.004.1.730	D 495, H 55	LED	840	2750 lm	30 W	21,9	smart+free	A++
311669.004.1.76	D 495, H 55	LED	840	2750 lm	30 W	21,9	DALI	A++
Tunable White - 2700 K to 6500 K								
311669.004.2.730	D 495, H 55	LED	827-865	2400 lm	30 W	14,7	smart+free	A++
Diameter D 690 mm, canopy Ø 263 mm, h 40 mm								
311570.004	D 690, H 81	LED	830	3800 lm	39 W	13,9	on/off	A++
311570.004.730	D 690, H 81	LED	830	3800 lm	39 W	13,9	smart+free	A++
311570.004.76	D 690, H 81	LED	830	3800 lm	39 W	13,9	DALI	A++
311570.005 *	D 690, H 81	LED	830	3800 lm	39 W	13,9	on/off	A++
311570.005.76 *	D 690, H 81	LED	830	3800 lm	39 W	13,9	DALI	A++
311570.004.1	D 690, H 81	LED	840	3900 lm	39 W	14,0	on/off	A++
311570.004.1.730	D 690, H 81	LED	840	3900 lm	39 W	14,0	smart+free	A++
311570.004.1.76	D 690, H 81	LED	840	3900 lm	39 W	14,0	DALI	A++
Tunable White - 2700 K to 6500 K								
311570.004.2.730	D 690, H 81	LED	827-865	3500 lm	38 W	13,7	smart+free	A++

* Canopy, bezel ring and supporting ring 24 carat gold-plated

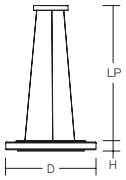
Replacement glasses		Price Category 13
05-1941.002	D 495, H 48	
05-1936.002	D 690, H 75	

Comparison LED vs. conventional lamps

LED 30 W ≈
1 x 55 W T16-R (60 W EB)

LED 38 / 39 W ≈
3 x 26 W TC-D (102 W CB)
1 x 22 + 40 W T16-R (70 W EB)

Pendant luminaires | Ring of Fire





Type of Protection: IP 20
Protection Class: I
Suspension Length: 500-1200 mm

Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Sensor — Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Diameter D 495 mm, canopy Ø 221 mm, h 36 mm								
312261.004	D 495, H 55	LED	830	2650 lm	30 W	21,0	on/off	A++
312261.004.730	D 495, H 55	LED	830	2650 lm	30 W	21,0	smart+free	A++
312261.004.76	D 495, H 55	LED	830	2650 lm	30 W	21,0	DALI	A++
312261.004.1	D 495, H 55	LED	840	2750 lm	30 W	21,1	on/off	A++
312261.004.1.730	D 495, H 55	LED	840	2750 lm	30 W	21,1	smart+free	A++
312261.004.1.76	D 495, H 55	LED	840	2750 lm	30 W	21,1	DALI	A++
Tunable White - 2700 K to 6500 K								
312261.004.2.730	D 495, H 55	LED	827-865	2400 lm	30 W	16,1	smart+free	A++

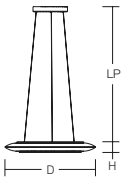
Replacement glasses		Price Category 13
05-2038.002	D 495, H 48	

Comparison LED vs. conventional lamps

LED 30 W ≈
1 x 55 W T16-R (60 W EB)



Pendant luminaires | Ring of Fire



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Inner circle surface: 417 mm in diameter opal white glass insert, for additional direct light output, which can be controlled separately. Canopy aluminium anodised.

3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

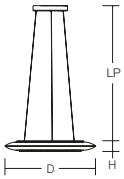
Comparison LED vs. conventional lamps

LED 63 W ≈
4 x 21 W T16 (90 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diameter D 690 mm, canopy Ø 263 mm, h 40 mm							
311682.004	D 690, H 81	LED	830	5450 lm	63 W	on/off	A+
311682.004.76	D 690, H 81	LED	830	5450 lm	63 W	DALI	A+
311682.004.1	D 690, H 81	LED	840	5550 lm	63 W	on/off	A+
311682.004.1.76	D 690, H 81	LED	840	5550 lm	63 W	DALI	A+
Replacement glasses							**Price Category 13**
05-1936.002	D 690, H 75						



Pendant luminaires | Ring of Fire



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Supporting ring made of anodised aluminium. Opal glass: mouth-blown, satin finish. Inner circle surface: 417 mm in diameter coloured Murano glass insert, for additional direct light output, which can be controlled separately. Canopy aluminium anodised.

3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

Comparison LED vs. conventional lamps

LED 63 W ≈
4 x 26 W TC-D (136 W CB)
1 x 55 W T16-R (60 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diameter D 690 mm, canopy Ø 263 mm, h 40 mm							
Glass FerroMurano red							
311674.004	D 690, H 81	LED	830	4850 lm	63 W	on/off	A+
311674.004.76	D 690, H 81	LED	830	4850 lm	63 W	DALI	A+
311674.004.1	D 690, H 81	LED	840	4950 lm	63 W	on/off	A+
311674.004.1.76	D 690, H 81	LED	840	4950 lm	63 W	DALI	A+
Glass FerroMurano blue							
311675.004	D 690, H 81	LED	830	4850 lm	63 W	on/off	A+
311675.004.76	D 690, H 81	LED	830	4850 lm	63 W	DALI	A+
311675.004.1	D 690, H 81	LED	840	4950 lm	63 W	on/off	A+
311675.004.1.76	D 690, H 81	LED	840	4950 lm	63 W	DALI	A+
Glass FerroMurano white							
311691.004	D 690, H 81	LED	830	5350 lm	63 W	on/off	A+
311691.004.76	D 690, H 81	LED	830	5350 lm	63 W	DALI	A+
311691.004.1	D 690, H 81	LED	840	5450 lm	63 W	on/off	A+
311691.004.1.76	D 690, H 81	LED	840	5450 lm	63 W	DALI	A+

The luminaire flux of each luminaire varies due to the difference in colour intensity and structure of the glass. Light colour 827 on request.

Replacement glasses		**Price Category 13**
05-1936.002	D 690, H 75	



Further information on coloured FerroMurano glass as well as an overview of additional FerroMurano RZB luminaires can be found on page 142 of this catalogue or at www.rzb-lighting.com


Glass FerroMurano red


Glass FerroMurano blue


Glass FerroMurano white

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Ring of Fire

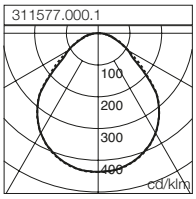


SIDELITE® ELLYPSOID

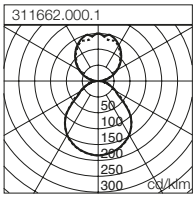
Pendant luminaires

- Lateral light emission with LED
- This lighting fixture's prismatic plastic diffuser is incorporated into a merely 15 mm thick extruded aluminium profile.
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Direct or direct/indirect light emission
- Sleek design featuring an eye-catching elliptical shape allows for unique interior lighting that creates a feeling of spaciousness
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)
- Tunable white versions dynamically adjustable from 2700 K to 6500 K
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

311577.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	2	3



311662.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4

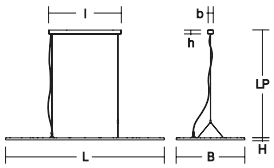




Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Sidelite Ellypsoid



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Anodised aluminium frame. Diffuser: PMMA plastic, opal/microprismatic. Canopy aluminium anodised, l 540, b 42, h 29 mm. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Driver included in canopy. Lateral light emission thanks to LED.

Available colour: 0 = aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
100% direct light emission								
311577.000	L 1204, B 521, H 15	LED	830	7500 lm	76 W	20,5	on/off	A++
311577.000.730	L 1204, B 521, H 15	LED	830	7500 lm	76 W	20,5	smart+free	A++
311577.000.76	L 1204, B 521, H 15	LED	830	7500 lm	76 W	20,5	DALI	A++
311577.000.1	L 1204, B 521, H 15	LED	840	8000 lm	76 W	20,5	on/off	A++
311577.000.1.730	L 1204, B 521, H 15	LED	840	8000 lm	76 W	20,5	smart+free	A++
311577.000.1.76	L 1204, B 521, H 15	LED	840	8000 lm	76 W	20,5	DALI	A++
Tunable White - 2700 K to 6500 K								
311577.000.2.730	L 1204, B 521, H 15	LED	827-865	4850 lm	44 W	18,1	smart+free	A++

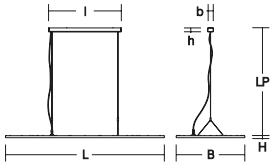
Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 44 W ≈
3 x 28 W T16 (92 W EB)

LED 76 W ≈
4 x 28 W T16 (122 W EB)

Pendant luminaires | Sidelite Ellypsoid



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Anodised aluminium frame. Diffuser: PMMA plastic, opal/microprismatic. Canopy aluminium anodised, l 540, b 42, h 29 mm. Power supply through separate cable. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Driver included in canopy. Lateral light emission thanks to LED.

Available colour: 0 = aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
60% direct and 40% indirect light emission								
311662.000	L 1204, B 521, H 15	LED	830	7900 lm	76 W	15,7	on/off	A++
311662.000.730	L 1204, B 521, H 15	LED	830	7900 lm	76 W	15,7	smart+free	A++
311662.000.76	L 1204, B 521, H 15	LED	830	7900 lm	76 W	15,7	DALI	A++
311662.000.1	L 1204, B 521, H 15	LED	840	8450 lm	76 W	15,7	on/off	A++
311662.000.1.730	L 1204, B 521, H 15	LED	840	8450 lm	76 W	15,7	smart+free	A++
311662.000.1.76	L 1204, B 521, H 15	LED	840	8450 lm	76 W	15,7	DALI	A++
Tunable White - 2700 K to 6500 K								
311662.000.2.730	L 1204, B 521, H 15	LED	827-865	4800 lm	44 W	12,7	smart+free	A++

Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 44 W ≈
3 x 28 W T16 (92 W EB)

LED 76 W ≈
4 x 28 W T16 (122 W EB)

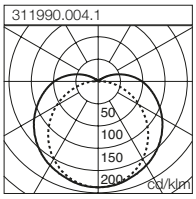


SCAPHA®

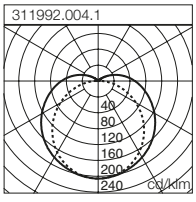
Pendant luminaires

- A range of luminaires for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- Handmade glass using the countersinking process, matt on the outside, painted white on the inside
- Uniform and glare-free illumination of the small boat shaped corpus by specially adapted LED panel boards
- The luminaire is timelessly elegant and fully integrates in architectural surroundings
- The luminaire is available in two different sizes
- Steplessly adjustable 2-point steel cable suspension
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L80, B10)

311990.004.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



311992.004.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8

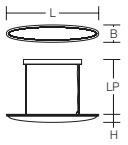




Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Scapha





Type of Protection: IP 20
Protection Class: I
Suspension Length: 500-1200 mm

Base: aluminium, powder-coated. Canopy and glass fixture steel powder-coated. Handmade concave glass, matt finish on the outside, painted white on the inside. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Sensor — Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Pendant luminaires							**Price Category 21**
Length L 714 mm							
311990.004	L 714, B 134, H 63	LED	830	2350 lm	35 W	on/off	A++
311990.004.1	L 714, B 134, H 63	LED	840	2500 lm	35 W	on/off	A++
Length L 1264 mm							
311992.004	L 1264, B 174, H 67	LED	830	3400 lm	51 W	on/off	A++
311992.004.730	L 1264, B 174, H 67	LED	830	3400 lm	51 W	smart+free	A++
311992.004.76	L 1264, B 174, H 67	LED	830	3400 lm	51 W	DALI	A++
311992.004.1	L 1264, B 174, H 67	LED	840	3550 lm	51 W	on/off	A++
311992.004.1.730	L 1264, B 174, H 67	LED	840	3550 lm	51 W	smart+free	A++
311992.004.1.76	L 1264, B 174, H 67	LED	840	3550 lm	51 W	DALI	A++

Replacement glasses		Price Category 13
05-1956.002	L 696, B 116, H 56	
05-1957.002	L 1246, B 156, H 60	

Comparison
LED vs. conventional lamps

LED 35 W ≈
1 x 58 W T26 (67 W CB)

LED 51 W ≈
2 x 36 W T26 (86 W CB)



© Fotostudio Lippmann

The application image shows:
Scapha

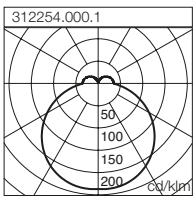


DOUALA®

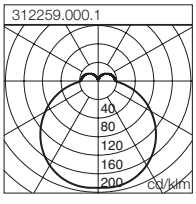
Pendant luminaires

- A multi-faceted range for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- The stainless steel base and the glass create an impression of unity
- The cover made of mouth-blown, satin-finished three-layer opal glass is available in two different sizes
- Steplessly adjustable 3-point steel cable suspension
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312254.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	8	11
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	11	18



312259.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	12






Further luminaires of this series, see:
Indoor lighting | Recessed ceiling and wall luminaires
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Douala





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass, satin finish. Patented spring fastening system. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 0 = stainless steel, brushed

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diameter D 300 mm							
312254.000 *	D 300, H 95	LED [1]	830	1750 lm	21 W	on/off	A+
312254.000.76 **	D 300, H 95	LED [1]	830	1750 lm	21 W	DALI	A+
312254.000.1 *	D 300, H 95	LED [1]	840	1850 lm	21 W	on/off	A+
312254.000.1.76 **	D 300, H 95	LED [1]	840	1850 lm	21 W	DALI	A+
Diameter D 400 mm							
312259.000 *	D 400, H 102	LED [1]	830	2300 lm	27 W	on/off	A+
312259.000.76 **	D 400, H 102	LED [1]	830	2300 lm	27 W	DALI	A+
312259.000.1 *	D 400, H 102	LED [1]	840	2400 lm	27 W	on/off	A+
312259.000.1.76 **	D 400, H 102	LED [1]	840	2400 lm	27 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement glasses		**Price Category 13**
05-1934.012	D 300, H 76	
05-2018.032	D 400, H 87	



Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 27 W ≈
3 x 26 W TC-D (102 W CB)



© Linus Lintner

The application image shows:
Douala
Magcardo

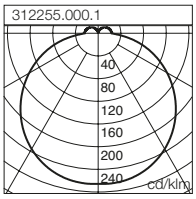


DOUALA® SLIM

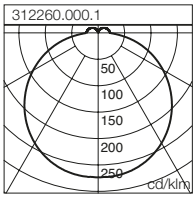
Pendant luminaires

- A multi-faceted range for indoor lighting, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- The stainless steel base and the glass create an impression of unity
- The cover made of mouth-blown, satin-finished three-layer opal glass is available in two different sizes
- Steplessly adjustable 3-point steel cable suspension
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312255.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	8	11
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	12	19



312260.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	14

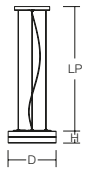





Further luminaires of this series, see:
Indoor lighting | Recessed ceiling and wall luminaires
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Douala Slim





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass, satin finish. Patented spring fastening system. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 0 = stainless steel, brushed

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diameter D 300 mm							
312255.000 *	D 300, H 75	LED [1]	830	1500 lm	21 W	on/off	A+
312255.000.76 **	D 300, H 75	LED [1]	830	1500 lm	21 W	DALI	A+
312255.000.1 *	D 300, H 75	LED [1]	840	1600 lm	21 W	on/off	A+
312255.000.1.76 **	D 300, H 75	LED [1]	840	1600 lm	21 W	DALI	A+
Diameter D 400 mm							
312260.000 *	D 400, H 75	LED [1]	830	2000 lm	27 W	on/off	A+
312260.000.76 **	D 400, H 75	LED [1]	830	2000 lm	27 W	DALI	A+
312260.000.1 *	D 400, H 75	LED [1]	840	2100 lm	27 W	on/off	A+
312260.000.1.76 **	D 400, H 75	LED [1]	840	2100 lm	27 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement glasses		Price Category 13
05-1965.002	D 300, H 62	
05-1966.002	D 400, H 62	



Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 18 W TC-D (52 W CB)

LED 27 W ≈
3 x 18 W TC-D (78 W CB)



© fotostudio Lippmann

The application image shows:
Douala Slim

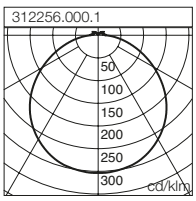


DOUALA® KRISTALL

Pendant luminaires

- Series of pendant luminaires, ceiling and wall luminaires
- The mouth blown opal glass with the transparent, icy edge of 20 mm gives the luminaire a brilliant look
- The stainless steel base and the stainless steel ring attached to the glass form an optical unit
- Steplessly adjustable 3-point steel cable suspension
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

312256.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
9	14	18
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
13	20	32

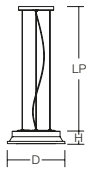




Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Douala Kristall





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Base: brushed stainless steel. Mouth-blown, 3-layer opal glass with a 20 mm clear glass edge. Patented spring fastening system. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 0 = stainless steel, brushed

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diameter D 340 mm							
312256.000 *	D 340, H 86	LED (1)	830	1050 lm	21 W	on/off	A+
312256.000.76 **	D 340, H 86	LED (1)	830	1050 lm	21 W	DALI	A+
312256.000.1 *	D 340, H 86	LED (1)	840	1100 lm	21 W	on/off	A+
312256.000.1.76 **	D 340, H 86	LED (1)	840	1100 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement glasses		Price Category 13
05-2037.012	D 340, H 71	

Touch DIM Sensor

Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 21 W ≈
1 x 26 W TC-D (34 W CB)



© Fotostudio Lippmann

The application image shows:
Douala Kristall

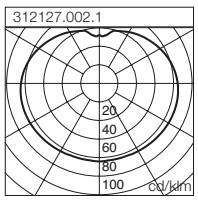


BASIC BALL

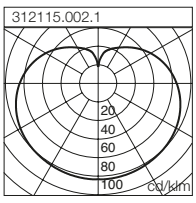
Pendant luminaires

- Pendant luminaire in timelessly classic sphere design
- Spheres in four different diameters
- Mouth-blown opal glass or shockproof plastic sphere
- Shadow-free, homogeneous and soft illumination
- Steplessly adjustable single-point steel cable suspension (special lengths available on request) or chrome-plated pendant tubes
- Luminous efficiency up to 111 lm/W
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L80, B10)

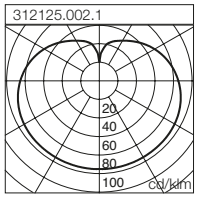
312127.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



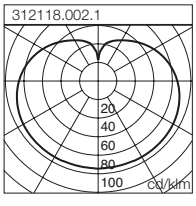
312115.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	13



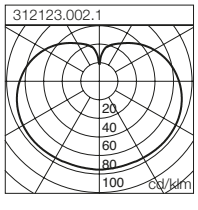
312125.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



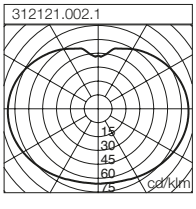
312118.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



312123.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6

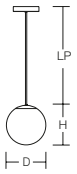


312121.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Basic Ball



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02 (Glass sphere), IK10 (Plastic sphere)

Canopy: metal, chrome-plated. Sphere: opal glass, mouth-blown, satin finish or plastic, shockproof, opal, satin finish.

Modular design: Pendant tube must be ordered separately!

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Glass sphere							
D 350 mm							
312115.002	D 350, H 350	LED	830	2400 lm	28 W	on/off	A+
312115.002.76	D 350, H 350	LED	830	2400 lm	28 W	DALI	A+
312115.002.1	D 350, H 350	LED	840	2500 lm	28 W	on/off	A+
312115.002.1.76	D 350, H 350	LED	840	2500 lm	28 W	DALI	A+
312116.002	D 350, H 350	LED	830	5800 lm	55 W	on/off	A+
312116.002.76	D 350, H 350	LED	830	5800 lm	55 W	DALI	A+
312116.002.1	D 350, H 350	LED	840	5950 lm	55 W	on/off	A+
312116.002.1.76	D 350, H 350	LED	840	5950 lm	55 W	DALI	A+
D 400 mm							
312118.002	D 400, H 400	LED	830	5800 lm	55 W	on/off	A+
312118.002.1	D 400, H 400	LED	840	6000 lm	55 W	on/off	A+
312119.002	D 400, H 400	LED	830	7900 lm	79 W	on/off	A+
312119.002.76	D 400, H 400	LED	830	7900 lm	79 W	DALI	A+
312119.002.1	D 400, H 400	LED	840	8100 lm	79 W	on/off	A+
312119.002.1.76	D 400, H 400	LED	840	8100 lm	79 W	DALI	A+
D 500 mm							
312120.002	D 500, H 500	LED	830	8150 lm	79 W	on/off	A+
312120.002.76	D 500, H 500	LED	830	8150 lm	79 W	DALI	A+
312120.002.1	D 500, H 500	LED	840	8400 lm	79 W	on/off	A+
312120.002.1.76	D 500, H 500	LED	840	8400 lm	79 W	DALI	A+
D 600 mm							
312121.002	D 600, H 600	LED	830	8200 lm	79 W	on/off	A+
312121.002.76	D 600, H 600	LED	830	8200 lm	79 W	DALI	A+
312121.002.1	D 600, H 600	LED	840	8450 lm	79 W	on/off	A+
312121.002.1.76	D 600, H 600	LED	840	8450 lm	79 W	DALI	A+
Plastic sphere							
D 350 mm							
312122.002	D 350, H 350	LED	830	2550 lm	28 W	on/off	A+
312122.002.76	D 350, H 350	LED	830	2550 lm	28 W	DALI	A+
312122.002.1	D 350, H 350	LED	840	2650 lm	28 W	on/off	A+
312122.002.1.76	D 350, H 350	LED	840	2650 lm	28 W	DALI	A+
312123.002	D 350, H 350	LED	830	6150 lm	55 W	on/off	A+
312123.002.76	D 350, H 350	LED	830	6150 lm	55 W	DALI	A+
312123.002.1	D 350, H 350	LED	840	6350 lm	55 W	on/off	A+
312123.002.1.76	D 350, H 350	LED	840	6350 lm	55 W	DALI	A+
D 400 mm							
312124.002	D 400, H 400	LED	830	6250 lm	55 W	on/off	A+
312124.002.1	D 400, H 400	LED	840	6450 lm	55 W	on/off	A+
312125.002	D 400, H 400	LED	830	8550 lm	79 W	on/off	A+
312125.002.76	D 400, H 400	LED	830	8550 lm	79 W	DALI	A+
312125.002.1	D 400, H 400	LED	840	8850 lm	79 W	on/off	A+
312125.002.1.76	D 400, H 400	LED	840	8850 lm	79 W	DALI	A+
D 500 mm							
312126.002	D 500, H 500	LED	830	8650 lm	79 W	on/off	A+
312126.002.76	D 500, H 500	LED	830	8650 lm	79 W	DALI	A+
312126.002.1	D 500, H 500	LED	840	8900 lm	79 W	on/off	A+
312126.002.1.76	D 500, H 500	LED	840	8900 lm	79 W	DALI	A+
D 630 mm							
312127.002	D 630, H 630	LED	830	8600 lm	79 W	on/off	A+
312127.002.76	D 630, H 630	LED	830	8600 lm	79 W	DALI	A+
312127.002.1	D 630, H 630	LED	840	8900 lm	79 W	on/off	A+
312127.002.1.76	D 630, H 630	LED	840	8900 lm	79 W	DALI	A+

Pendant tube (can be shortened on site) - To be ordered separately		**Price Category 21**
982229.0044	D 13, LP 1000	Pendant tube chrome-plated, incl. power supply cable and mounting material. Special pendant lengths available on request.
982230.0044	D 13, LP 1500	Pendant tube chrome-plated, incl. power supply cable and mounting material. Special pendant lengths available on request.
982231.0044	D 13, LP 2000	Pendant tube chrome-plated, incl. power supply cable and mounting material. Special pendant lengths available on request.

Adaptor, aluminium		**Price Category 21**
981222.000	D 35, H 15	For mounting a pendant tube shortened on site (incl. mounting material)

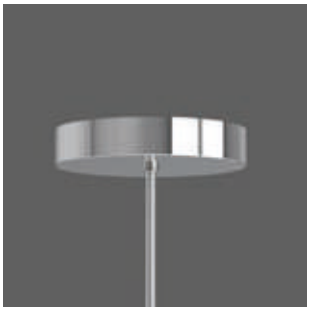
Connection sleeve, M13 x 1, chrome-plated, for pendant tube extension		**Price Category 21**
981230.0044	D 18, H 40	Accessories for connecting two pendant tubes

Comparison
LED vs. conventional lamps

LED 28 W ≈
3 x 26 W TC-D (102 W CB)

LED 55 W ≈
3 x 42 W TC-TEL (137 W EB)

LED 79 W ≈
4 x 42 W TC-TEL (180 W EB)



Canopy with pendant tube

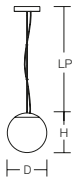
Replacement glasses and **replacement diffusers** can be found on the next page.



The application image shows:
Basic Ball

© Florian Schreiber

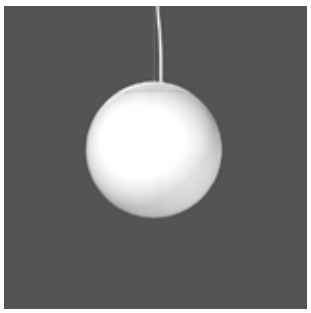
Pendant luminaires | Basic Ball



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02 (Glass sphere), IK10 (Plastic sphere)
Suspension Length: 4000 mm

Base: metal, white, powder-coated. Sphere: opal glass, mouth-blown, satin finish, or plastic, shockproof, opal, satin finish. Canopy: metal, white. Power supply cable: white. Single-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Glass sphere							
D 350 mm							
312105.002	D 350, H 350	LED	830	2400 lm	28 W	on/off	A+
312105.002.76	D 350, H 350	LED	830	2400 lm	28 W	DALI	A+
312105.002.1	D 350, H 350	LED	840	2500 lm	28 W	on/off	A+
312105.002.1.76	D 350, H 350	LED	840	2500 lm	28 W	DALI	A+
312094.002	D 350, H 350	LED	830	5800 lm	55 W	on/off	A+
312094.002.76	D 350, H 350	LED	830	5800 lm	55 W	DALI	A+
312094.002.1	D 350, H 350	LED	840	5950 lm	55 W	on/off	A+
312094.002.1.76	D 350, H 350	LED	840	5950 lm	55 W	DALI	A+
D 400 mm							
312106.002	D 400, H 400	LED	830	5800 lm	55 W	on/off	A+
312106.002.1	D 400, H 400	LED	840	6000 lm	55 W	on/off	A+
312095.002	D 400, H 400	LED	830	7900 lm	79 W	on/off	A+
312095.002.76	D 400, H 400	LED	830	7900 lm	79 W	DALI	A+
312095.002.1	D 400, H 400	LED	840	8100 lm	79 W	on/off	A+
312095.002.1.76	D 400, H 400	LED	840	8100 lm	79 W	DALI	A+
D 500 mm							
312107.002	D 500, H 500	LED	830	8150 lm	79 W	on/off	A+
312107.002.76	D 500, H 500	LED	830	8150 lm	79 W	DALI	A+
312107.002.1	D 500, H 500	LED	840	8400 lm	79 W	on/off	A+
312107.002.1.76	D 500, H 500	LED	840	8400 lm	79 W	DALI	A+
D 600 mm							
312108.002	D 600, H 600	LED	830	8200 lm	79 W	on/off	A+
312108.002.76	D 600, H 600	LED	830	8200 lm	79 W	DALI	A+
312108.002.1	D 600, H 600	LED	840	8450 lm	79 W	on/off	A+
312108.002.1.76	D 600, H 600	LED	840	8450 lm	79 W	DALI	A+
Plastic sphere							
D 350 mm							
312109.002	D 350, H 350	LED	830	2550 lm	28 W	on/off	A+
312109.002.76	D 350, H 350	LED	830	2550 lm	28 W	DALI	A+
312109.002.1	D 350, H 350	LED	840	2650 lm	28 W	on/off	A+
312109.002.1.76	D 350, H 350	LED	840	2650 lm	28 W	DALI	A+
312110.002	D 350, H 350	LED	830	6150 lm	55 W	on/off	A+
312110.002.76	D 350, H 350	LED	830	6150 lm	55 W	DALI	A+
312110.002.1	D 350, H 350	LED	840	6350 lm	55 W	on/off	A+
312110.002.1.76	D 350, H 350	LED	840	6350 lm	55 W	DALI	A+
D 400 mm							
312111.002	D 400, H 400	LED	830	6250 lm	55 W	on/off	A+
312111.002.1	D 400, H 400	LED	840	6450 lm	55 W	on/off	A+
312112.002	D 400, H 400	LED	830	8550 lm	79 W	on/off	A+
312112.002.76	D 400, H 400	LED	830	8550 lm	79 W	DALI	A+
312112.002.1	D 400, H 400	LED	840	8850 lm	79 W	on/off	A+
312112.002.1.76	D 400, H 400	LED	840	8850 lm	79 W	DALI	A+
D 500 mm							
312113.002	D 500, H 500	LED	830	8650 lm	79 W	on/off	A+
312113.002.76	D 500, H 500	LED	830	8650 lm	79 W	DALI	A+
312113.002.1	D 500, H 500	LED	840	8900 lm	79 W	on/off	A+
312113.002.1.76	D 500, H 500	LED	840	8900 lm	79 W	DALI	A+
D 630 mm							
312114.002	D 630, H 630	LED	830	8600 lm	79 W	on/off	A+
312114.002.76	D 630, H 630	LED	830	8600 lm	79 W	DALI	A+
312114.002.1	D 630, H 630	LED	840	8900 lm	79 W	on/off	A+
312114.002.1.76	D 630, H 630	LED	840	8900 lm	79 W	DALI	A+

Replacement glasses		**Price Category 13**
05-311012.002	D 350, H 331	
05-311015.002	D 400, H 384	
05-311044.002	D 500, H 489	
05-311469.002	D 600, H 591	

Replacement diffusers			**Price Category 13**
08-311050.012	D 350, H 331	Plastic (polyethylene)	
08-311053.012	D 400, H 380	Plastic (polyethylene)	
08-311056.012	D 500, H 488	Plastic (polyethylene)	
08-311378.012	D 630, H 621	Plastic (polyethylene)	

Comparison
LED vs. conventional lamps

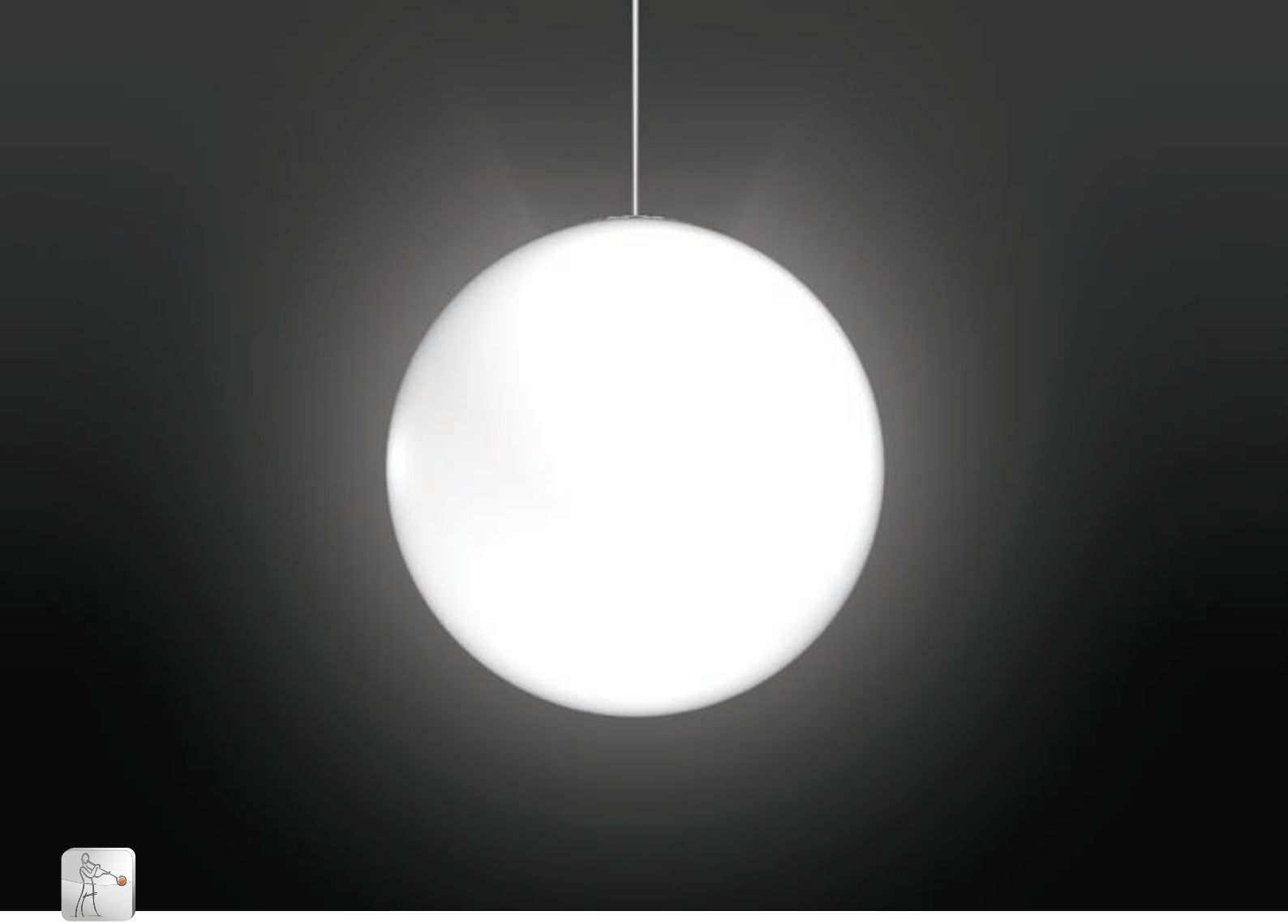
LED 28 W ≈
3 x 26 W TC-D (102 W CB)

LED 55 W ≈
3 x 42 W TC-TEL (137 W EB)

LED 79 W ≈
4 x 42 W TC-TEL (180 W EB)



Canopy with suspension cable

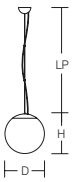






Canopy with suspension cable

Pendant luminaires | Basic Ball



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02 (Glass sphere), IK10 (Plastic sphere)
Suspension Length: 4000 mm

Base: metal, white, powder-coated. Sphere: opal glass, mouth-blown, satin finish, or plastic, shockproof, opal, satin finish. Canopy: plastic, white. Power supply cable: white. Single-point steel cable suspension, steplessly adjustable. Special lengths available on request.

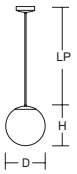
Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Pendant luminaires				**Price Category 11**
Glass sphere				
D 300 mm				
311009.002	D 300, H 300	1 x E27® 150 W	on/off	A+ - E
D 350 mm				
311012.002	D 350, H 350	1 x E27® 200 W	on/off	A+ - E
D 400 mm				
311015.002	D 400, H 400	1 x E27® 200 W	on/off	A+ - E
Plastic sphere				
D 300 mm				
311047.002	D 300, H 300	1 x E27® 150 W	on/off	A+ - E
D 350 mm				
311050.002	D 350, H 350	1 x E27® 200 W	on/off	A+ - E
D 400 mm				
311053.002	D 400, H 400	1 x E27® 200 W	on/off	A+ - E

Replacement glasses and **replacement diffusers** can be found on the next page.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | Basic Ball







Canopy with pendant tube

Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02 (Glass sphere), IK10 (Plastic sphere)

Canopy: metal, chrome-plated. Sphere: opal glass, mouth-blown, satin finish or plastic, shockproof, opal, satin finish.

Modular design: Pendant tube must be ordered separately!

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Pendant luminaires				**Price Category 11**
Glass sphere				
D 300 mm				
311344.002	D 300, H 300	1 x E27® 150 W	on/off	A+ - E
D 350 mm				
311347.002	D 350, H 350	1 x E27® 200 W	on/off	A++ - E
D 400 mm				
311350.002	D 400, H 400	1 x E27® 200 W	on/off	A+ - E
Plastic sphere				
D 300 mm				
311363.002	D 300, H 300	1 x E27® 150 W	on/off	A+ - E
D 350 mm				
311366.002	D 350, H 350	1 x E27® 200 W	on/off	A+ - E
D 400 mm				
311369.002	D 400, H 400	1 x E27® 200 W	on/off	A+ - E

Pendant tube (can be shortened on site) - To be ordered separately			**Price Category 21**
981221.0044	D 13, LP 1000	Pendant tube chrome-plated, incl. power supply cable and mounting material. Special pendant lengths available on request.	
981151.0044	D 13, LP 1500	Pendant tube chrome-plated, incl. power supply cable and mounting material. Special pendant lengths available on request.	
981152.0044	D 13, LP 2000	Pendant tube chrome-plated, incl. power supply cable and mounting material. Special pendant lengths available on request.	

Adaptor, aluminium			**Price Category 21**
981222.000	D 35, H 15	For mounting a pendant tube shortened on site (incl. mounting material)	

Connection sleeve, M13 x 1, chrome-plated, for pendant tube extension			**Price Category 21**
981230.0044	D 18, H 40	Accessories for connecting two pendant tubes	

Replacement glasses		**Price Category 13**
05-311009.002	D 300, H 287	
05-311012.002	D 350, H 331	
05-311015.002	D 400, H 384	

Replacement diffusers			**Price Category 13**
08-311047.012	D 300, H 291	Plastic (polyethylene)	
08-311050.012	D 350, H 331	Plastic (polyethylene)	
08-311053.012	D 400, H 380	Plastic (polyethylene)	

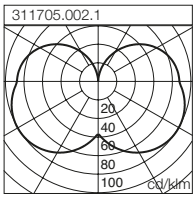


CYLIO

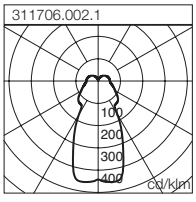
Pendant luminaires

- A sleekly designed surface mounted and pendant luminaire for interiors
- Made of top-notch components:
  - Base and canopy made of anodised aluminium with brushed stainless steel finish
  - Handmade glass elements
- Each glass fixture is a unique element. The following versions are available:
  - Transparent crystal glass, partially frosted
  - White opal glass
  - White opal glass with transparent glass bottom
  - Two-tone opal glass "white in white"
  - Opal glass sphere, white
- Exceptionally good and uniform light distribution

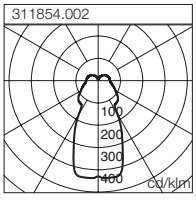
311705.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
14	21	28
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
20	29	49



311706.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
9	13	17
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
13	19	31



311854.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
9	13	18
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
13	19	32

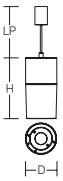




Further luminaires of this series, see:
Indoor lighting | Ceiling luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Cylio





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02, IK03, IK05
Suspension Length: 800 mm

Base: anodised aluminium with brushed stainless steel finish. Glass fastening: bayonet fixing. Suspension cord with integrated steel cable. Canopy aluminium anodised.

Available colour: stainless steel, brushed

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
with canopy							
Base: D 100, Canopy: D 60, H 88 mm							
Opal glass, short, white							
311964.002	D 100, H 127	LED [1]	830	690 lm	14 W	on/off	A
311964.002.1	D 100, H 127	LED [1]	840	750 lm	14 W	on/off	A
Opal glass white							
311725.002	D 100, H 230	LED [1]	830	560 lm	14 W	on/off	A
311725.002.1	D 100, H 230	LED [1]	840	580 lm	14 W	on/off	A
311870.002	D 100, H 230	1 x QA60 (clear) 46 W				on/off	A+ - E
Opal glass white with transparent glass bottom							
311851.002	D 100, H 220	LED [1]	830	590 lm	14 W	on/off	A
311851.002.1	D 100, H 220	LED [1]	840	620 lm	14 W	on/off	A
311873.002	D 100, H 220	1 x QA60 (clear) 46 W				on/off	A+ - E
Opal glass "white in white" with transparent glass bottom							
311726.002	D 100, H 220	LED [1]	830	540 lm	14 W	on/off	A
311726.002.1	D 100, H 220	LED [1]	840	560 lm	14 W	on/off	A
311871.002	D 100, H 220	1 x QA60 (clear) 46 W				on/off	A+ - E
Opal glass sphere, white							
311966.002	D 180, H 252	LED [1]	830	900 lm	14 W	on/off	A
311966.002.1	D 180, H 252	LED [1]	840	920 lm	14 W	on/off	A

Replacement glasses		**Price Category 13**
05-1953.002	D 100, H 57	Short white opal glass
05-1952.032	D 100, H 150	Opal glass "white in white" with transparent glass bottom
05-1952.062	D 100, H 150	Opal glass white with transparent glass bottom
05-1952.002	D 100, H 160	White opal glass
05-1954.002	D 180, H 182	Opal glass sphere

Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 50 W QT12 (60 W e-transf.)


Short white opal glass


Opal glass white


Opal glass white with transparent glass bottom


Opal glass "white in white" with transparent glass bottom

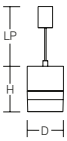

Opal glass sphere



Comparison
LED vs. conventional lamps

LED 18 W ≈
1 x 50 W QT12 (60 W e-transf.)
1 x 75 W QT12 (105 W e-transf.)

Pendant luminaires | Cylio



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02, IK03, IK05
Suspension Length: 800 mm

Base: anodised aluminium with brushed stainless steel finish. Glass fastening: bayonet fixing. Suspension cord with integrated steel cable. Canopy aluminium anodised.

Available colour: stainless steel, brushed

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
with canopy							
Base: D 150, Canopy: D 60, H 88 mm							
Short white opal glass							
311970.002	D 150, H 155	LED [1]	830	1150 lm	18 W	on/off	A+
311970.002.1	D 150, H 155	LED [1]	840	1150 lm	18 W	on/off	A+
Opal glass white							
311705.002	D 150, H 262	LED [1]	830	650 lm	18 W	on/off	A+
311705.002.1	D 150, H 262	LED [1]	840	680 lm	18 W	on/off	A+
311874.002	D 150, H 262	1 x QA60 (clear) 46 W				on/off	A+ - E
Opal glass white with clear transparent bottom							
311854.002	D 150, H 262	LED [1]	830	790 lm	18 W	on/off	A+
311854.002.1	D 150, H 262	LED [1]	840	830 lm	18 W	on/off	A+
311877.002	D 150, H 257	1 x QA60 (clear) 46 W				on/off	A+ - E
Opal glass "white in white" with transparent glass bottom							
311706.002	D 150, H 257	LED [1]	830	770 lm	18 W	on/off	A+
311706.002.1	D 150, H 257	LED [1]	840	810 lm	18 W	on/off	A+
311875.002	D 150, H 257	1 x QA60 (clear) 46 W				on/off	A+ - E

Replacement glasses			**Price Category 13**
05-1955.002	D 150, H 67	Short white opal glass	
05-1939.022	D 150, H 167	Opal glass "white in white" with transparent glass bottom	
05-1940.022	D 150, H 167	Opal glass white with transparent glass bottom	
05-1940.002	D 150, H 172	Opal glass white	


Short white opal glass


Opal glass white


Opal glass white with transparent glass bottom


Opal glass "white in white" with transparent glass bottom

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



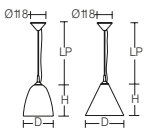
© Linus Lintner

The application image shows:
Cylio





Pendant luminaires | Tholus



Type of Protection: IP 20
Protection Class: II
Suspension Length: 2000 mm

Opal glass: mouth-blown, satin finish. Canopy: plastic, white.

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Pendant luminaires				**Price Category 11**
Cone				
311987.002	D 220, H 180	1 x QA60 (clear) 77 W	on/off	A+ - E
311988.002	D 300, H 245	1 x QA60 (clear) 77 W	on/off	A+ - E
Dome				
311985.002	D 230, H 240	1 x QA60 (clear) 77 W	on/off	A+ - E
311986.002	D 240, H 303	1 x QA60 (clear) 77 W	on/off	A+ - E

Replacement glasses		**Price Category 13**
05-311987.012	D 220, H 180	
05-311988.012	D 220, H 245	
05-311985.012	D 230, H 240	
05-311986.012	D 240, H 303	



For further information please see page 140

Accessories | Decorative pendant set

Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.

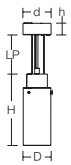
Decorative pendant set			**Price Category 11**
982584.002 *	L 146, B 60, H 13, HE 80	Mounting kit for plasterboard ceilings	
982583.009	L 180, B 148, H 124, HE 130	Mounting set for concrete ceilings	
982582.009	L 180, B 180, H 124, HE 130	Mounting set for plastered concrete ceilings	

* not suitable for DALI version

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Pendant luminaires | Glasdownlight



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1250 mm

Base: aluminium, powder-coated. Opal glass: mouth-blown, satin finish. Glass fastening: retaining screws. Canopy: aluminium, powder-coated 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 11**
Diameter D 120 mm, canopy d 122 mm, h 50 mm							
931181.002	D 120, H 300	LED	830	1400 lm	14 W	on/off	A++
931181.002.1	D 120, H 300	LED	840	1400 lm	14 W	on/off	A++
931182.002	D 120, H 470	LED	830	2750 lm	27 W	on/off	A++
931182.002.1	D 120, H 470	LED	840	2800 lm	27 W	on/off	A++
Diameter D 150 mm, canopy d 122 mm, h 50 mm							
931183.002	D 150, H 300	LED	830	2850 lm	32 W	on/off	A++
931183.002.1	D 150, H 300	LED	840	2850 lm	32 W	on/off	A++
931184.002	D 150, H 470	LED	830	3200 lm	30 W	on/off	A++
931184.002.1	D 150, H 470	LED	840	3250 lm	30 W	on/off	A++

Replacement glasses		Price Category 13
05-931174.012	D 120, H 250	
05-931176.012	D 120, H 420	
05-931177.012	D 150, H 250	
05-931179.012	D 150, H 420	

Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 32 W TC-TEL (36 W EB)
1 x 150 W GLS (150 W)

LED 27 / 30 / 32 W ≈
1 x 57 W TC-TEL (59 W EB)



DALI

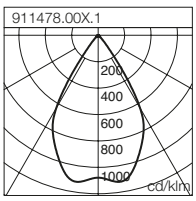
DEECOS® P

Pendant luminaires

- High quality die-cast aluminium housing in two sizes
- Easy installation with transparent and adjustable 2 m pendant cable and canopy with magnetic fixing
- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Suitable for reflector as well as lens technologies
- MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone
- Black plastic ring with recessed LED to prevent glare from the side
- Further light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 as well as for Maxi special food LEDs: champagne with Ra 97, meat and meat fresh available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring
- Decorative recessed suspension set available as accessory

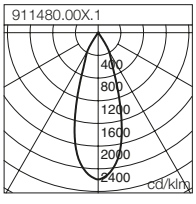
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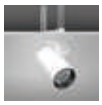
h [m]	⌀ [m]	E [lx]
1,0	0,88	3454
2,0	1,76	863
3,0	2,63	384
4,0	3,51	216
5,0	4,39	138



911480.00X.1

h [m]	⌀ [m]	E [lx]
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2,0	1,26	2021
3,0	1,89	898
4,0	2,52	505
5,0	3,15	323

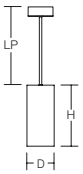


Further luminaires of this series, see:
Indoor lighting | Surface mounted projectors
Indoor lighting | Recessed projectors

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Deecos P Mini





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06
Suspension Length: 2000 mm

Housing: pressure die-cast aluminium, powder-coated. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Transparent pendant cable 2 m, can be shortened, with integrated steel cable. Canopy made of powder-coated sheet steel with magnetic attachment.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Pendant luminaires									**Price Category 21**
Including lens for best uniformity of the light cone									
911477.00X	D 87, H 195	LED	830	1700 lm	19 W	44°	16,0	on/off	A++
911477.00X.76	D 87, H 195	LED	830	1700 lm	19 W	44°	16,0	DALI	A++
911477.00X.1	D 87, H 195	LED	840	1800 lm	19 W	44°	16,2	on/off	A++
911477.00X.1.76	D 87, H 195	LED	840	1800 lm	19 W	44°	16,2	DALI	A++
911479.00X	D 87, H 195	LED	830	2450 lm	29 W	44°	17,3	on/off	A++
911479.00X.76	D 87, H 195	LED	830	2450 lm	29 W	44°	17,3	DALI	A++
911479.00X.1	D 87, H 195	LED	840	2550 lm	29 W	44°	17,5	on/off	A++
911479.00X.1.76	D 87, H 195	LED	840	2550 lm	29 W	44°	17,5	DALI	A++
Including reflector for maximum efficiency									
911476.00X	D 87, H 195	LED	830	2350 lm	19 W	62°	20,5	on/off	A++
911476.00X.76	D 87, H 195	LED	830	2350 lm	19 W	62°	20,5	DALI	A++
911476.00X.1	D 87, H 195	LED	840	2450 lm	19 W	62°	20,6	on/off	A++
911476.00X.1.76	D 87, H 195	LED	840	2450 lm	19 W	62°	20,6	DALI	A++
911478.00X	D 87, H 195	LED	830	3350 lm	29 W	62°	21,7	on/off	A++
911478.00X.76	D 87, H 195	LED	830	3350 lm	29 W	62°	21,7	DALI	A++
911478.00X.1	D 87, H 195	LED	840	3500 lm	29 W	62°	21,9	on/off	A++
911478.00X.1.76	D 87, H 195	LED	840	3500 lm	29 W	62°	21,9	DALI	A++

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 19 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)

Diffuser			Price Category 21
982370.000	D 75, H 3	Safety glass clear	
982370.010	D 75, H 3	Safety glass, satin finish	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Honeycomb louvre Mini	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector	
982421.002	D 82, H 31	White plastic ring for lens	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector, narrow beam 17°	
982368.013	D 82, H 55	Reflector, medium beam 32°	
982368.023	D 82, H 55	Reflector, wide beam 47°	
982368.033	D 82, H 55	Reflector, wide beam 62°	
982369.003	D 82, H 55	Lens, narrow beam 18°	
982369.013	D 82, H 55	Lens, medium beam 29°	
982369.023	D 82, H 55	Lens, wide beam 44°	
982369.033	D 82, H 55	Lens, very wide beam 70°	
982369.043	D 82, H 55	Lens with oval light distribution for corridor 28°/40°	

Accessories | Decorative pendant set

Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.

Decorative pendant set			Price Category 11
982572.002 *	L 146, B 60, H 13, HE 80	Mounting kit for plasterboard ceilings	
982571.009	L 180, B 148, H 124, HE 130	Mounting set for concrete ceilings	
982570.009	L 180, B 180, H 124, HE 130	Mounting set for plastered concrete ceilings	

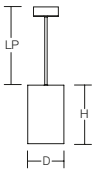
* not suitable for DALI version



For further information please see page 140



Pendant luminaires | Deecos P Maxi



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06
Suspension Length: 2000 mm

Housing: pressure die-cast aluminium, powder-coated. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Transparent pendant cable 2 m, can be shortened, with integrated steel cable. Canopy made of powder-coated sheet steel with magnetic attachment.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Comparison
LED vs. conventional lamps

LED 37 W ≈
1 x 70 W HIT (84 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Pendant luminaires									**Price Category 21**
Including lens for best uniformity of the light cone									
911481.00X	D 123, H 181	LED	830	3300 lm	37 W	41°	14,1	on/off	A++
911481.00X.76	D 123, H 181	LED	830	3300 lm	37 W	41°	14,1	DALI	A++
911481.00X.1	D 123, H 181	LED	840	3500 lm	37 W	41°	14,2	on/off	A++
911481.00X.1.76	D 123, H 181	LED	840	3500 lm	37 W	41°	14,2	DALI	A++
Including reflector for maximum efficiency									
911480.00X	D 123, H 181	LED	830	4050 lm	37 W	34°	15,0	on/off	A++
911480.00X.76	D 123, H 181	LED	830	4050 lm	37 W	34°	15,0	DALI	A++
911480.00X.1	D 123, H 181	LED	840	4250 lm	37 W	34°	15,2	on/off	A++
911480.00X.1.76	D 123, H 181	LED	840	4250 lm	37 W	34°	15,2	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass clear	
982374.010	D 111, H 3	Safety glass, satin finish	



Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Maxi honeycomb louvre	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector	
982422.002	D 118, H 33	White plastic ring for lens	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector, narrow beam 10°	
982372.013	D 118, H 83	Reflector, medium beam 20°	
982372.023	D 118, H 83	Reflector, wide beam 34°	
982372.033	D 118, H 83	Reflector, very wide beam 63°	
982373.003	D 118, H 83	Lens, narrow beam 12°	
982373.013	D 118, H 83	Lens, medium beam 29°	
982373.023	D 118, H 83	Lens, wide beam 41°	



For further information please see page 140

Accessories | Decorative pendant set

Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.

Decorative pendant set			Price Category 11
982572.002 *	L 146, B 60, H 13, HE 80	Mounting kit for plasterboard ceilings	
982571.009	L 180, B 148, H 124, HE 130	Mounting set for concrete ceilings	
982570.009	L 180, B 180, H 124, HE 130	Mounting set for plastered concrete ceilings	

* not suitable for DALI version

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Inga Paas

The application image shows:
Deecos P
Deecos S

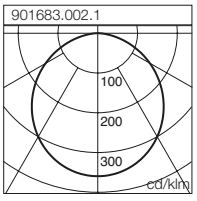


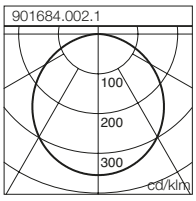
DALI

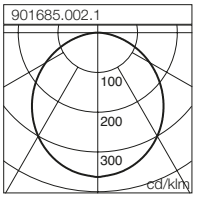
TOLEDO FLAT

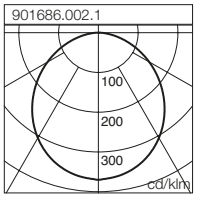
Pendant luminaires

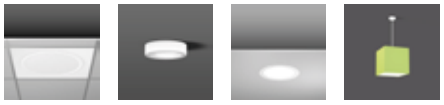
- Flat cylindrical LED pendant luminaire in four sizes
- Easy installation with transparent and adjustable 2 m suspension cable and canopy
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Very low installation height
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Applications:
  Corridors, side rooms, hotels, restaurants, conference rooms, private rooms







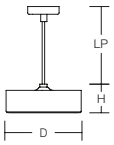




Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted downlights
Indoor lighting | Recessed downlights
Indoor lighting | Fabric lampshade luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Toledo Flat





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06
Suspension Length: 2000 mm

Cylinder housing sheet steel, powder-coated. Housing: die cast aluminium and sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt. Transparent suspension cable 2 m, can be shortened. Canopy: sheet steel, powder coated.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diffuser: plastic, opal							
Diameter D 150 mm							
901683.002	D 150, H 83	LED	830	390 lm	5 W	on/off	A+
901683.002.1	D 150, H 83	LED	840	400 lm	5 W	on/off	A+
Diameter D 192 mm							
901684.002	D 192, H 83	LED	830	740 lm	7,9 W	on/off	A+
901684.002.76	D 192, H 83	LED	830	740 lm	7,9 W	DALI	A+
901684.002.1	D 192, H 83	LED	840	840 lm	8,7 W	on/off	A+
901684.002.1.76	D 192, H 83	LED	840	840 lm	8,7 W	DALI	A+
Diameter D 257 mm							
901685.002	D 257, H 89	LED	830	1650 lm	18 W	on/off	A+
901685.002.76	D 257, H 89	LED	830	1650 lm	18 W	DALI	A+
901685.002.1	D 257, H 89	LED	840	1650 lm	18 W	on/off	A+
901685.002.1.76	D 257, H 89	LED	840	1650 lm	18 W	DALI	A+
Diameter D 319 mm							
901686.002	D 319, H 89	LED	830	2150 lm	23 W	on/off	A+
901686.002.76	D 319, H 89	LED	830	2150 lm	23 W	DALI	A+
901686.002.1	D 319, H 89	LED	840	2250 lm	23 W	on/off	A+
901686.002.1.76	D 319, H 89	LED	840	2250 lm	23 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

LED 7,9 / 8,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 W ≈
2 x 18 W TC-D (52 W CB)

LED 23 W ≈
2 x 26 W TC-D (68 W CB)









Accessories | Supporting ring for fabric lamp shades
Retrofittable holder for a tool-free mounting of a lamp shade.
Ring metal powder coated. M4 Threaded. Knurled nuts plastic.

Mounting ring for fabric lamp shades			Price Category 21
982386.002	D 162, H 10	for surface and pendant Toledo Flat Round D 150 for mounting the lamp shade Toledo Flatliner 200	
982387.002	D 204, H 10	for surface and pendant Toledo Flat Round D 192 for mounting the lamp shade Toledo Flatliner 242	
982388.002	D 270, H 10	for surface and pendant Toledo Flat Round D 257 for mounting the lamp shade Toledo Flatliner 307	
982389.002	D 331, H 10	for surface and pendant Toledo Flat Round D 319 for mounting the lamp shade Toledo Flatliner 369	





Further luminaires of this series and a colour chart
with more than 70 available colours, see:
Indoor Lighting: Fabric lampshade luminaires



FLAT POLYMERO® KREIS SLIM

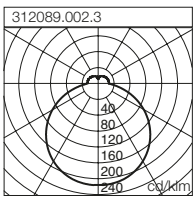
Pendant luminaires

- Featuring the new superflat diffuser, this luminaire rounds out our Flat Polymero® Kreis family
- Uniform lighting achieved by the use of LED panel boards
- Comprehensive range consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffusers
- PMMA diffuser:
  - sturdy, scratch resistant (substitute for glass)
  - UV-resistant (non fade - no yellowing)
  - totally weatherproof
- PC diffuser:
  - hard, stiff, shatterproof, extremely shockproof
  - UV-stabilised
- With patented fastening technology
- Luminaire can be opened without tools
- LED exchangeable
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)

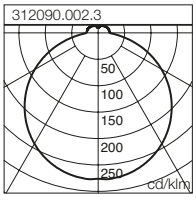


Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

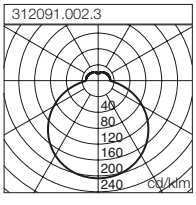
312089.002.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	13



312090.002.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	13

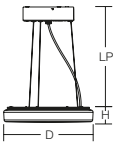


312091.002.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Flat Polymero Kreis Slim





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)
Suspension Length: 200-1300 mm, 350-1300 mm

Base and canopy: metal, powder-coated, white. Canopy Ø 205 mm, h 55 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
Diameter D 360 mm, LP 200-1300 mm							
312089.002.1 *	D 360, H 60	LED (1)	830	1900 lm	21 W	on/off	A+
312089.002.1.76 **	D 360, H 60	LED (1)	830	1900 lm	21 W	DALI	A+
312089.002.3 *	D 360, H 60	LED (1)	840	2000 lm	21 W	on/off	A+
312089.002.3.76 **	D 360, H 60	LED (1)	840	2000 lm	21 W	DALI	A+
Diameter D 460 mm, LP 200-1300 mm							
312090.002.1 *	D 460, H 65	LED (1)	830	1900 lm	21 W	on/off	A+
312090.002.1.76 **	D 460, H 65	LED (1)	830	1900 lm	21 W	DALI	A+
312090.002.3 *	D 460, H 65	LED (1)	840	2000 lm	21 W	on/off	A+
312090.002.3.76 **	D 460, H 65	LED (1)	840	2000 lm	21 W	DALI	A+
312241.002.1 *	D 460, H 65	LED (1)	830	2600 lm	27 W	on/off	A+
312241.002.1.76 **	D 460, H 65	LED (1)	830	2600 lm	27 W	DALI	A+
312241.002.3 *	D 460, H 65	LED (1)	840	2750 lm	27 W	on/off	A+
312241.002.3.76 **	D 460, H 65	LED (1)	840	2750 lm	27 W	DALI	A+
Diameter D 515 mm, LP 350-1300 mm							
312091.002.1 *	D 515, H 65	LED (1)	830	3100 lm	33 W	on/off	A+
312091.002.1.76 **	D 515, H 65	LED (1)	830	3100 lm	33 W	DALI	A+
312091.002.3 *	D 515, H 65	LED (1)	840	3200 lm	33 W	on/off	A+
312091.002.3.76 **	D 515, H 65	LED (1)	840	3200 lm	33 W	DALI	A+
Diffuser: plastic (polycarbonate)							
Diameter D 360 mm, LP 200-1300 mm							
312089.002.2 *	D 360, H 60	LED (1)	830	2000 lm	21 W	on/off	A+
312089.002.2.76 **	D 360, H 60	LED (1)	830	2000 lm	21 W	DALI	A+
312089.002.4 *	D 360, H 60	LED (1)	840	2050 lm	21 W	on/off	A+
312089.002.4.76 **	D 360, H 60	LED (1)	840	2050 lm	21 W	DALI	A+
Diameter D 460 mm, LP 200-1300 mm							
312090.002.2 *	D 460, H 65	LED (1)	830	2000 lm	21 W	on/off	A+
312090.002.2.76 **	D 460, H 65	LED (1)	830	2000 lm	21 W	DALI	A+
312090.002.4 *	D 460, H 65	LED (1)	840	2100 lm	21 W	on/off	A+
312090.002.4.76 **	D 460, H 65	LED (1)	840	2100 lm	21 W	DALI	A+
312241.002.2 *	D 460, H 65	LED (1)	830	2850 lm	27 W	on/off	A+
312241.002.2.76 **	D 460, H 65	LED (1)	830	2850 lm	27 W	DALI	A+
312241.002.4 *	D 460, H 65	LED (1)	840	3000 lm	27 W	on/off	A+
312241.002.4.76 **	D 460, H 65	LED (1)	840	3000 lm	27 W	DALI	A+
Diameter D 515 mm, LP 350-1300 mm							
312091.002.2	D 515, H 65	LED (1)	830	3400 lm	33 W	on/off	A+
312091.002.2.76 **	D 515, H 65	LED (1)	830	3400 lm	33 W	DALI	A+
312091.002.4	D 515, H 65	LED (1)	840	3500 lm	33 W	on/off	A+
312091.002.4.76 **	D 515, H 65	LED (1)	840	3500 lm	33 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			Price Category 13
08-312085.002	D 360, H 61	Plastic (PMMA)	
08-312085.012	D 360, H 61	Plastic (polycarbonate)	
08-312086.002	D 460, H 68	Plastic (PMMA)	
08-312086.012	D 460, H 68	Plastic (polycarbonate)	
08-312087.002	D 515, H 69	Plastic (PMMA)	
08-312087.012	D 515, H 69	Plastic (polycarbonate)	



Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)



FLAT POLYMERO® KREIS

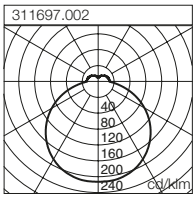
Pendant luminaires

- Comprehensive range consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffusers
- Uniform lighting achieved by the use of LED panel boards
- Numerous customized solutions are available on request
- Can also be used as ready-to-install luminous ceiling with minor setup and maintenance costs
- Colour consistency within 3-steps MacAdam (3 SDCM)

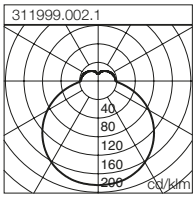


Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

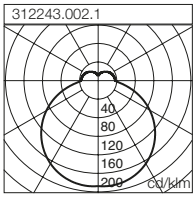
311697.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	3



311999.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	9



312243.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	9



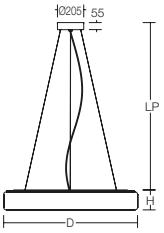
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Flat Polymero Kreis XXL

Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK07 (PMMA), IK10 (polycarbonate)
Suspension Length: 600-1300 mm

Base and canopy: metal, powder-coated, white. Canopy Ø 205 mm, h 55 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock.

Available colour: 2 = white





Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm							
311697.002	D 1040, H 150	LED	830	9600 lm	100 W	on/off	A++
311697.002.76	D 1040, H 150	LED	830	9600 lm	100 W	DALI	A++
311697.002.1	D 1040, H 150	LED	840	10400 lm	100 W	on/off	A++
311697.002.1.76	D 1040, H 150	LED	840	10400 lm	100 W	DALI	A++
Diffuser: plastic (polycarbonate) D 1040 mm							
311697.002.2	D 1040, H 150	LED	830	10400 lm	100 W	on/off	A++
311697.002.2.76	D 1040, H 150	LED	830	10400 lm	100 W	DALI	A++
311697.002.3	D 1040, H 150	LED	840	11300 lm	100 W	on/off	A++
311697.002.3.76	D 1040, H 150	LED	840	11300 lm	100 W	DALI	A++

Replacement diffusers			Price Category 13
08-311292.002	D 1040, H 150	Plastic (PMMA)	
08-311292.012	D 1040, H 150	Plastic (polycarbonate)	

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)



© Jens Kirchner Architekturfotografie

The application image shows:
Flat Polymero Kreis XXL



Applies to versions with .76

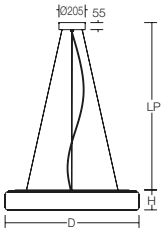
Comparison LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

Pendant luminaires | Flat Polymero Kreis



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)
Suspension Length: 200-1300 mm, 350-1300 mm

Base and canopy: metal, powder-coated, white. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system. Canopy Ø 205 mm, h 55 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
D 360 mm, LP 200-1300 mm							
311978.002.3 *	D 360, H 87	LED [1]	830	1950 lm	21 W	on/off	A+
311978.002.3.76 **	D 360, H 87	LED [1]	830	1950 lm	21 W	DALI	A+
311978.002.1 *	D 360, H 87	LED [1]	840	2000 lm	21 W	on/off	A+
311978.002.1.76 **	D 360, H 87	LED [1]	840	2000 lm	21 W	DALI	A+
D 460 mm, LP 200-1300 mm							
311979.002.3 *	D 460, H 93	LED [1]	830	2000 lm	21 W	on/off	A+
311979.002.3.76 **	D 460, H 93	LED [1]	830	2000 lm	21 W	DALI	A+
311979.002.1 *	D 460, H 93	LED [1]	840	2100 lm	21 W	on/off	A+
311979.002.1.76 **	D 460, H 93	LED [1]	840	2100 lm	21 W	DALI	A+
312243.002.3 *	D 460, H 93	LED [1]	830	2750 lm	27 W	on/off	A+
312243.002.3.76 **	D 460, H 93	LED [1]	830	2750 lm	27 W	DALI	A+
312243.002.1 *	D 460, H 93	LED [1]	840	2900 lm	27 W	on/off	A+
312243.002.1.76 **	D 460, H 93	LED [1]	840	2900 lm	27 W	DALI	A+
D 515 mm, LP 350-1300 mm							
311999.002.3	D 515, H 98	LED [1]	830	3200 lm	33 W	on/off	A+
311999.002.3.76 **	D 515, H 98	LED [1]	830	3200 lm	33 W	DALI	A+
311999.002.1	D 515, H 98	LED [1]	840	3200 lm	33 W	on/off	A+
311999.002.1.76 **	D 515, H 98	LED [1]	840	3200 lm	33 W	DALI	A+
Diffuser: plastic (polycarbonate)							
D 360 mm, LP 200-1300 mm							
311978.002.4 *	D 360, H 87	LED [1]	830	2000 lm	21 W	on/off	A+
311978.002.4.76 **	D 360, H 87	LED [1]	830	2000 lm	21 W	DALI	A+
311978.002.2 *	D 360, H 87	LED [1]	840	2150 lm	21 W	on/off	A+
311978.002.2.76 **	D 360, H 87	LED [1]	840	2150 lm	21 W	DALI	A+
D 460 mm, LP 200-1300 mm							
311979.002.4 *	D 460, H 93	LED [1]	830	2050 lm	21 W	on/off	A+
311979.002.4.76 **	D 460, H 93	LED [1]	830	2050 lm	21 W	DALI	A+
311979.002.2 *	D 460, H 93	LED [1]	840	2150 lm	21 W	on/off	A+
311979.002.2.76 **	D 460, H 93	LED [1]	840	2150 lm	21 W	DALI	A+
312243.002.4 *	D 460, H 93	LED [1]	830	3000 lm	27 W	on/off	A+
312243.002.4.76 **	D 460, H 93	LED [1]	830	3000 lm	27 W	DALI	A+
312243.002.2 *	D 460, H 93	LED [1]	840	3050 lm	27 W	on/off	A+
312243.002.2.76 **	D 460, H 93	LED [1]	840	3050 lm	27 W	DALI	A+
D 515 mm, LP 350-1300 mm							
311999.002.4	D 515, H 98	LED [1]	830	3400 lm	33 W	on/off	A+
311999.002.4.76 **	D 515, H 98	LED [1]	830	3400 lm	33 W	DALI	A+
311999.002.2	D 515, H 98	LED [1]	840	3400 lm	33 W	on/off	A+
311999.002.2.76 **	D 515, H 98	LED [1]	840	3400 lm	33 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			Price Category 13
08-311595.002	D 360, H 81	Plastic (PMMA)	
08-311595.012	D 360, H 81	Plastic (polycarbonate)	
08-311600.002	D 460, H 88	Plastic (PMMA)	
08-311600.012	D 460, H 88	Plastic (polycarbonate)	
08-311604.002	D 515, H 93	Plastic (PMMA)	
08-311604.012	D 515, H 93	Plastic (polycarbonate)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Flat Polymero Kreis

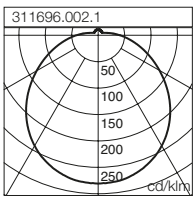


FLAT POLYMERO®

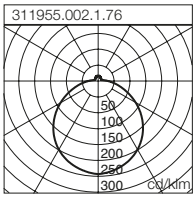
Pendant luminaires

- A range with outstanding variety of types, consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffusers
- Uniform lighting achieved by the use of LED panel boards
- Different diameters available - from 360 mm to 1700 mm
- Colour consistency within 3-steps MacAdam (3 SDCM)

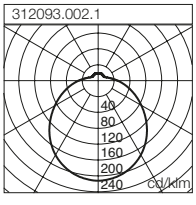
311696.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	1	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	3



311955.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	1	1
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	1	2



312093.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	9

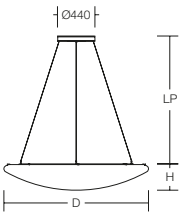




Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Flat Polymero Super XXL





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK10
Suspension Length: 1500-4500 mm

Base and canopy: metal, powder-coated, white. Canopy Ø 440 mm, h 63 mm. 4-point steel cable suspension, steplessly adjustable. Special lengths available on request. Diffuser: plastic (PMMA), opal. Diffuser fastening: sash lock.

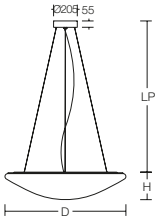
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1700 mm							
311955.002.76	D 1700, H 300	LED	830	20200 lm	280 W	DALI	A++
311955.002.1.76	D 1700, H 300	LED	840	22100 lm	280 W	DALI	A++
Replacement diffusers							**Price Category 13**
08-311270.002	D 1700, H 300	Plastic (PMMA)					

Comparison
LED vs. conventional lamps

LED 280 W ≈
12 x 36 W TC-L (468 W CB)

Pendant luminaires | Flat Polymero XXL





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK10
Suspension Length: 600-1300 mm

Base and canopy: metal, powder-coated, white. Canopy Ø 205 mm, h 55 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm							
311696.002	D 1040, H 230	LED	830	9450 lm	100 W	on/off	A++
311696.002.76	D 1040, H 230	LED	830	9450 lm	100 W	DALI	A++
311696.002.1	D 1040, H 230	LED	840	10300 lm	100 W	on/off	A++
311696.002.1.76	D 1040, H 230	LED	840	10300 lm	100 W	DALI	A++
Diffuser: plastic (polycarbonate) D 1040 mm							
311696.002.2	D 1040, H 230	LED	830	10000 lm	100 W	on/off	A++
311696.002.2.76	D 1040, H 230	LED	830	10000 lm	100 W	DALI	A++
311696.002.3	D 1040, H 230	LED	840	10900 lm	100 W	on/off	A++
311696.002.3.76	D 1040, H 230	LED	840	10900 lm	100 W	DALI	A++
Replacement diffusers							**Price Category 13**
08-311183.022	D 1040, H 230	Plastic (PMMA)					
08-311183.032	D 1040, H 230	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)



Applies to versions with .76

Comparison LED vs. conventional lamps

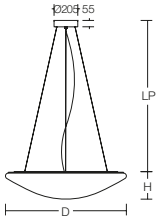
LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

LED 37 W ≈
4 x 26 W TC-D (136 W CB)

Pendant luminaires | Flat Polymero



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03 (PMMA), IK10 (polycarbonate)
Suspension Length: 200-1300 mm, 350-1300 mm

Base and canopy: metal, powder-coated, white. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system. Canopy Ø 205 mm, h 55 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Electronic ballast included.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
D 360 mm, LP 200-1300 mm							
311974.002.3 *	D 360, H 100	LED [1]	830	1850 lm	21 W	on/off	A+
311974.002.3.76 **	D 360, H 100	LED [1]	830	1850 lm	21 W	DALI	A+
311974.002.1 *	D 360, H 100	LED [1]	840	1950 lm	21 W	on/off	A+
311974.002.1.76 **	D 360, H 100	LED [1]	840	1950 lm	21 W	DALI	A+
D 460 mm, LP 200-1300 mm							
311975.002.3 *	D 460, H 120	LED [1]	830	1950 lm	21 W	on/off	A+
311975.002.3.76 **	D 460, H 120	LED [1]	830	1950 lm	21 W	DALI	A+
311975.002.1 *	D 460, H 120	LED [1]	840	2050 lm	21 W	on/off	A+
311975.002.1.76 **	D 460, H 120	LED [1]	840	2050 lm	21 W	DALI	A+
312245.002.3 *	D 460, H 120	LED [1]	830	2750 lm	27 W	on/off	A+
312245.002.3.76 **	D 460, H 120	LED [1]	830	2750 lm	27 W	DALI	A+
312245.002.1 *	D 460, H 120	LED [1]	840	2850 lm	27 W	on/off	A+
312245.002.1.76 **	D 460, H 120	LED [1]	840	2850 lm	27 W	DALI	A+
D 515 mm, LP 350-1300 mm							
311976.002.3 *	D 515, H 150	LED [1]	830	1900 lm	21 W	on/off	A+
311976.002.3.76 **	D 515, H 150	LED [1]	830	1900 lm	21 W	DALI	A+
311976.002.1 *	D 515, H 150	LED [1]	840	2050 lm	21 W	on/off	A+
311976.002.1.76 **	D 515, H 150	LED [1]	840	2050 lm	21 W	DALI	A+
312093.002.3	D 515, H 150	LED [1]	830	3200 lm	33 W	on/off	A+
312093.002.3.76 **	D 515, H 150	LED [1]	830	3200 lm	33 W	DALI	A+
312093.002.1 *	D 515, H 150	LED [1]	840	3200 lm	33 W	on/off	A+
312093.002.1.76 **	D 515, H 150	LED [1]	840	3200 lm	33 W	DALI	A+
D 620 mm, LP 350-1300 mm							
312097.002.3	D 620, H 160	LED [1]	830	3200 lm	33 W	on/off	A+
312097.002.3.76 **	D 620, H 160	LED [1]	830	3200 lm	33 W	DALI	A+
312097.002.1	D 620, H 160	LED [1]	840	3200 lm	33 W	on/off	A+
312097.002.1.76 **	D 620, H 160	LED [1]	840	3200 lm	33 W	DALI	A+
311924.002.3	D 620, H 160	LED	830	4050 lm	37 W	on/off	A++
311924.002.3.76	D 620, H 160	LED	830	4050 lm	37 W	DALI	A++
311924.002.1	D 620, H 160	LED	840	4050 lm	37 W	on/off	A++
311924.002.1.76	D 620, H 160	LED	840	4050 lm	37 W	DALI	A++
Diffuser: plastic (polycarbonate)							
D 360 mm, LP 200-1300 mm							
311974.002.4 *	D 360, H 100	LED [1]	830	1900 lm	21 W	on/off	A+
311974.002.4.76 **	D 360, H 100	LED [1]	830	1900 lm	21 W	DALI	A+
311974.002.2 *	D 360, H 100	LED [1]	840	2000 lm	21 W	on/off	A+
311974.002.2.76 **	D 360, H 100	LED [1]	840	2000 lm	21 W	DALI	A+
D 460 mm, LP 200-1300 mm							
311975.002.4 *	D 460, H 120	LED [1]	830	2000 lm	21 W	on/off	A+
311975.002.4.76 **	D 460, H 120	LED [1]	830	2000 lm	21 W	DALI	A+
311975.002.2 *	D 460, H 120	LED [1]	840	2050 lm	21 W	on/off	A+
311975.002.2.76 **	D 460, H 120	LED [1]	840	2050 lm	21 W	DALI	A+
312245.002.4 *	D 460, H 120	LED [1]	830	2950 lm	27 W	on/off	A+
312245.002.4.76 **	D 460, H 120	LED [1]	830	2950 lm	27 W	DALI	A+
312245.002.2 *	D 460, H 120	LED [1]	840	2950 lm	27 W	on/off	A+
312245.002.2.76 **	D 460, H 120	LED [1]	840	2950 lm	27 W	DALI	A+
D 515 mm, LP 350-1300 mm							
311976.002.4 *	D 515, H 150	LED [1]	830	2000 lm	21 W	on/off	A+
311976.002.4.76 **	D 515, H 150	LED [1]	830	2000 lm	21 W	DALI	A+
311976.002.2 *	D 515, H 150	LED [1]	840	2100 lm	21 W	on/off	A+
311976.002.2.76 **	D 515, H 150	LED [1]	840	2100 lm	21 W	DALI	A+
312093.002.4	D 515, H 150	LED [1]	830	3250 lm	33 W	on/off	A+
312093.002.4.76 **	D 515, H 150	LED [1]	830	3250 lm	33 W	DALI	A+
312093.002.2	D 515, H 150	LED [1]	840	3250 lm	33 W	on/off	A+
312093.002.2.76 **	D 515, H 150	LED [1]	840	3250 lm	33 W	DALI	A+
D 620 mm, LP 350-1300 mm							
312097.002.4	D 620, H 160	LED [1]	830	3250 lm	33 W	on/off	A+
312097.002.4.76 **	D 620, H 160	LED [1]	830	3250 lm	33 W	DALI	A+
312097.002.2	D 620, H 160	LED [1]	840	3250 lm	33 W	on/off	A+
312097.002.2.76 **	D 620, H 160	LED [1]	840	3250 lm	33 W	DALI	A+
311924.002.4	D 620, H 160	LED	830	4250 lm	37 W	on/off	A++
311924.002.4.76	D 620, H 160	LED	830	4250 lm	37 W	DALI	A++
311924.002.2	D 620, H 160	LED	840	4250 lm	37 W	on/off	A++
311924.002.2.76	D 620, H 160	LED	840	4250 lm	37 W	DALI	A++

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

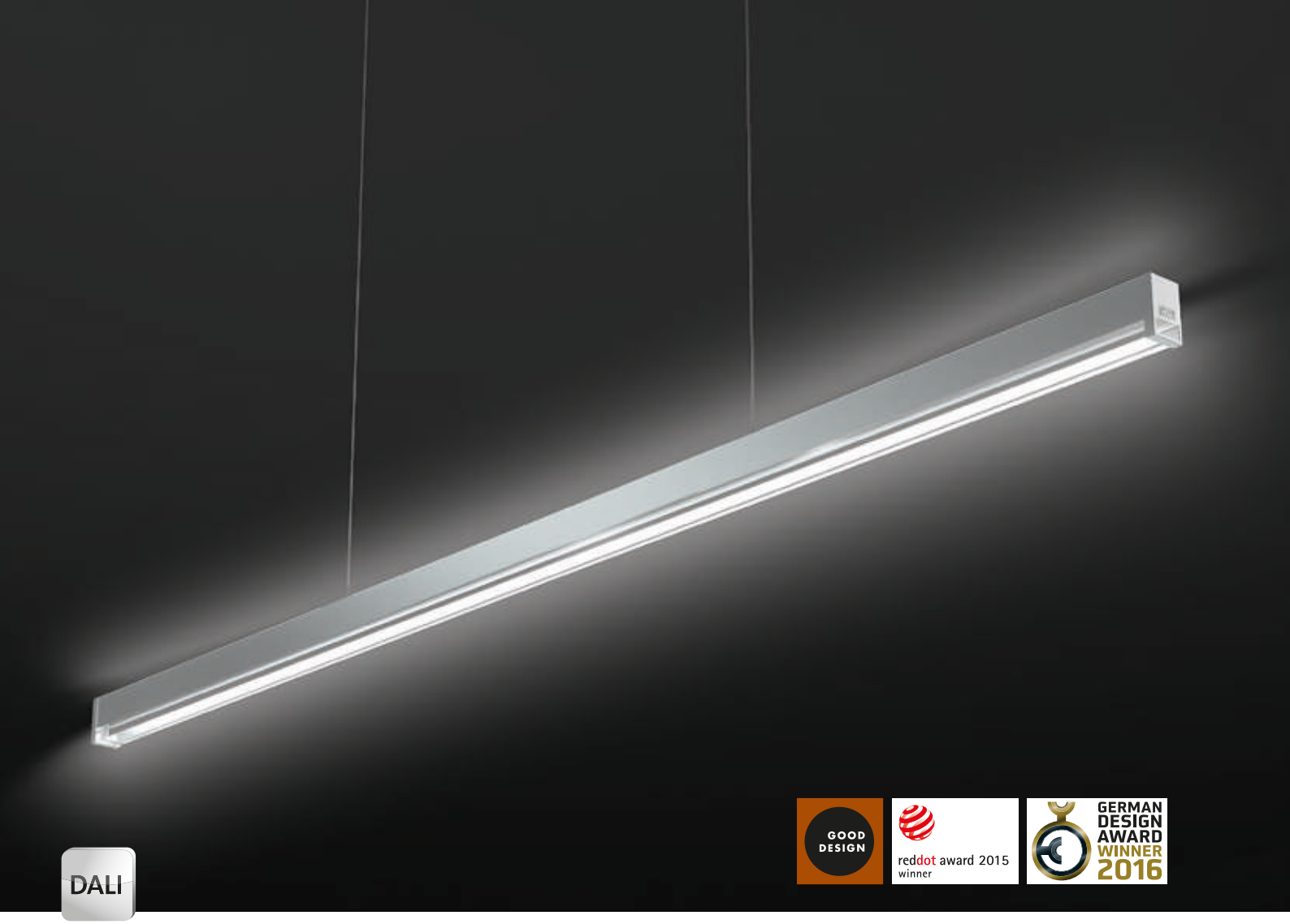
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Replacement diffusers			Price Category 13
08-311161.012	D 360, H 88	Plastic (PMMA)	
08-311161.022	D 360, H 88	Plastic (polycarbonate)	
08-311165.012	D 460, H 113	Plastic (PMMA)	
08-311165.022	D 460, H 113	Plastic (polycarbonate)	
08-311170.012	D 515, H 137	Plastic (PMMA)	
08-311170.022	D 515, H 137	Plastic (polycarbonate)	
08-311173.012	D 620, H 150	Plastic (PMMA)	
08-311173.022	D 620, H 150	Plastic (polycarbonate)	



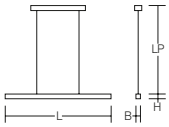
© Jürg Knuchel

The application image shows:
Flat Polymero XXL





Pendant luminaires | Less is more 27 Kristall



Type of Protection: IP 20
Protection Class: I
Suspension Length: 100-1500 mm

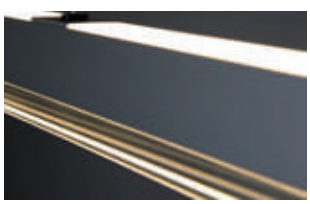
Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser (direct light emission): made by hand from tempered crystal glass, coated white (opal) on one side. Diffuser (indirect light emission): plastic (non-yellowing PMMA), opal. Power supply through suspension cable. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Converter integrated in the canopy.

Available colour: 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Length L 909 mm								
312246.0045.1	L 909, B 28, H 54	LED	840	1550 lm	31 W	18,8	on/off	A++
312246.0045.1.76	L 909, B 28, H 54	LED	840	1550 lm	31 W	18,8	DALI	A++
312246.0045	L 909, B 28, H 54	LED	830	1550 lm	35 W	19,0	on/off	A+
312246.0045.76	L 909, B 28, H 54	LED	830	1550 lm	35 W	19,0	DALI	A+
Length L 1409 mm								
312247.0045.1	L 1409, B 28, H 54	LED	840	2600 lm	52 W	20,6	on/off	A++
312247.0045.1.76	L 1409, B 28, H 54	LED	840	2600 lm	52 W	20,6	DALI	A++
312247.0045	L 1409, B 28, H 54	LED	830	2600 lm	58 W	19,1	on/off	A+
312247.0045.76	L 1409, B 28, H 54	LED	830	2600 lm	58 W	19,1	DALI	A+


End caps overlap the profile


High-quality crystal glass cover (coated white on the inside)


Indirect illumination with side light effect

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Oliver Heinl

The application image shows:
Less is more 27 Kristall



DALI

reddot design award winner 2010

Designpreis Deutschland 2011 NOMINIERT

LAVANO®

Pendant luminaires

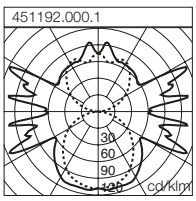
- Comprehensive range consisting of:
  - Pendant luminaires
  - Ceiling and wall luminaires
- The technical features of these luminaires with their LEDs and two diffusers for dual light direction guarantee high levels of visual comfort and lighting intensity.
- The special design of the diffuser generates brightly sparkling direct light along the contour of the ellipse.
- The choice of high-quality materials, the finish and the energy-efficient use of LEDs all aim to ensure a long service life.
- LED rated life 50,000 h (L90, B10)



Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - linear

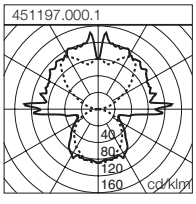
451192.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6

451192.000.1



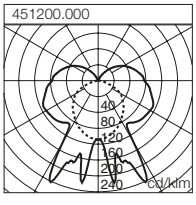
451197.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6

451197.000.1



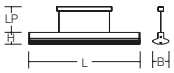
451200.000		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	12

451200.000



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Lavano





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Extruded aluminium profile base, lacquered. End caps aluminium, painted. Diffuser: plastic, opal, allows for brilliant glittering light along the lines of the ellipse. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour for decorative board: aluminium, brushed (.1)

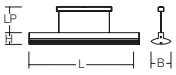
Available colour: white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Pendant luminaires							**Price Category 21**
451192.000.1	L 1140, B 109, H 80	LED	830	5150 lm	47 W	on/off	A+
451192.000.1.76	L 1140, B 109, H 80	LED	830	5150 lm	47 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 47 W ≈
1 x 80 W T16 (86 W EB)

Pendant luminaires | Lavano Wing





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Extruded aluminium profile base, lacquered. End caps aluminium, painted. Diffuser (tapering at the sides): plastic (PMMA), opal, allows for brilliant glittering light. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour for decorative board: aluminium, brushed (.1)

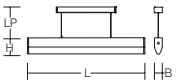
Available colour: white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Pendant luminaires							**Price Category 21**
451197.000.1	L 1140, B 150, H 180	LED	830	5700 lm	47 W	on/off	A+
451197.000.1.76	L 1140, B 150, H 180	LED	830	5700 lm	47 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 47 W ≈
1 x 80 W T16 (86 W EB)

Pendant luminaires | Lavano Uno





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02
Suspension Length: 1200 mm

Extruded aluminium profile base, lacquered. End caps aluminium, painted. Diffuser: plastic, opal, allows for brilliant glittering light along the lines of the ellipse. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Pendant luminaires							**Price Category 21**
451200.000	L 1140, B 40, H 83	LED	830	2500 lm	23 W	on/off	A+
451200.000.76	L 1140, B 40, H 83	LED	830	2500 lm	23 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 36 W T26 (43 W CB)



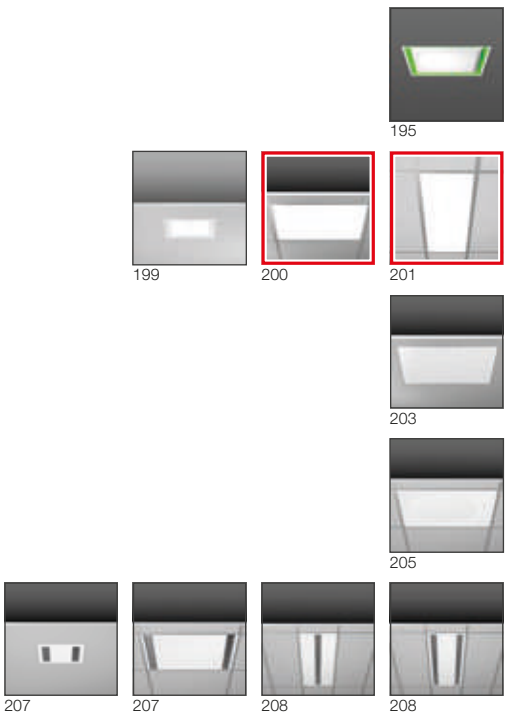






The application image shows:
Sidelite ECO

© Linus Lintner



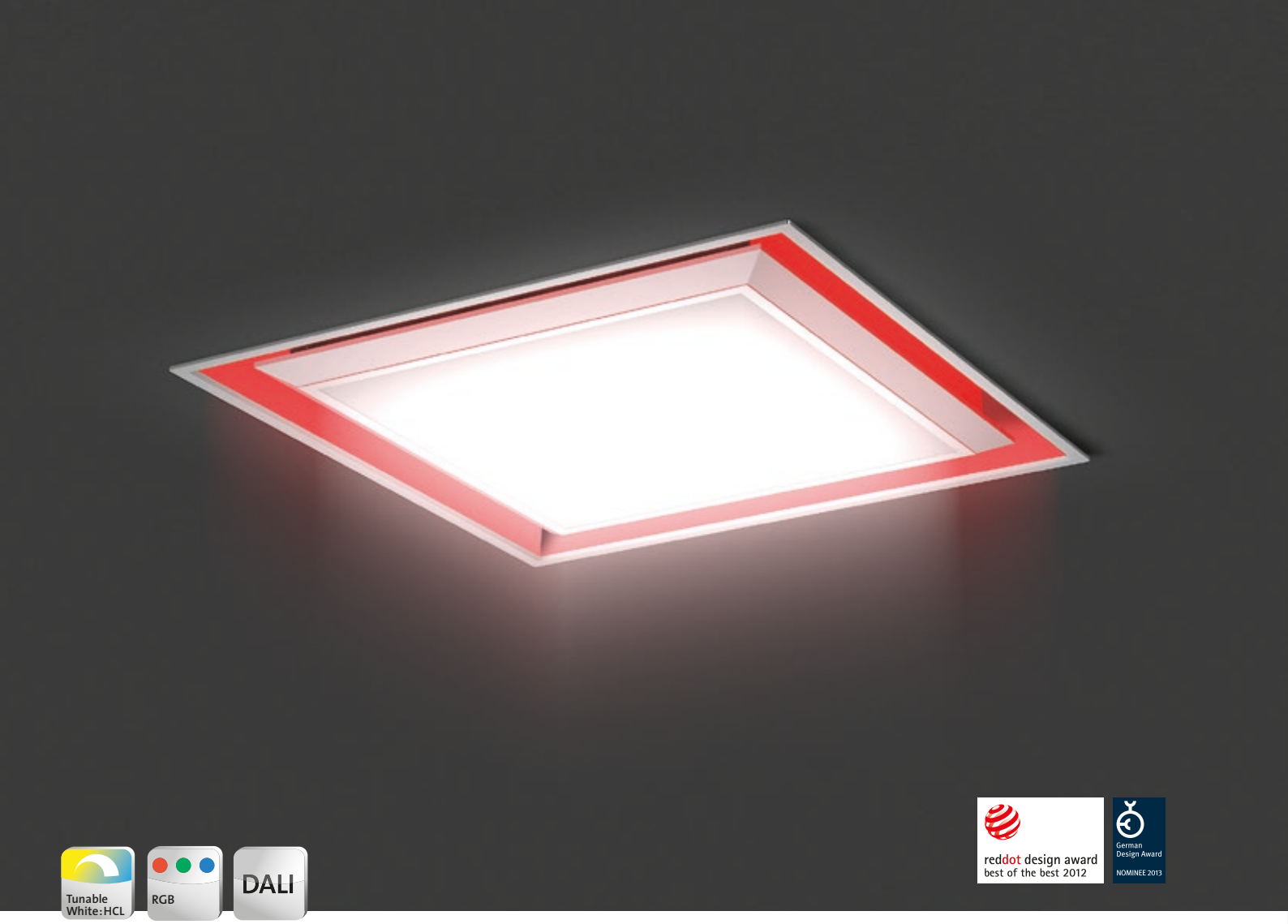
Econe
194-195

Sidelite ECO
196-201

Parledo
202-203

Toledo Flat
204-205

Sonis EVO
206-209

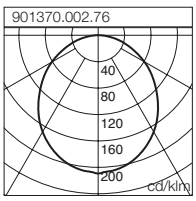


ECONE®

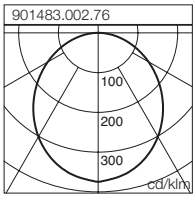
Recessed ceiling luminaires

- Effective LED wide field luminaire for interior use
- Comprehensive range consisting of:
  - Recessed luminaires
  - Surface mounted luminaires
  - Pendant luminaires
- Ideally suited to health and care facilities, recommended for office, work, common and conference rooms
- **Diffuser** made of **non-yellowing PMMA**
- Suitable for circadian light gradient: Two separate light rooms and the dynamic mixture of the light colours used enable the daylight simulation
- Intelligent and simple control (Plug & Play) with light control +^{3} Professional
- Recessed version for small recessed depth (14 cm)

901370.002.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



901483.002.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8

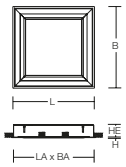





Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling luminaires | Econe





Type of Protection: IP 20
Protection Class: I
Ceiling Thickness: 42-80 mm
Impact Protection: IK02

Housing: sheet steel, powder-coated. Diffuser: plastic (non-yellowing PMMA), opal. Light frame: plastic, white, with RGB LED band. Driver included. Recessed housing: metal, powder-coated.

Can be controlled via our **light control +^{3} Professional** light management system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light output	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Recessed ceiling luminaires									**Price Category 21**
cut out LA 835 x BA 835 mm, HE 125 mm									
901370.002.76	L 855, B 855, H 5	LED	direct light channel	840 RGB	3450 lm	108 W	19,5	DALI	A+
901483.002.76	L 855, B 855, H 5	LED	direct light channel	827-865 RGB	7850 lm	164 W	20,5	DALI	A+



The application image shows: Econe

SIDELITE® ECO

Everything at a glance

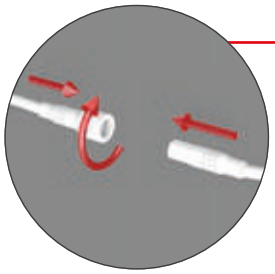
Recessed version also available as an emergency luminaire in accordance with EN 60598-2-22

Automatic self test in all standard versions

Wide luminaire spacing for escape routes

Recessed version suitable for use in the food and drink industry

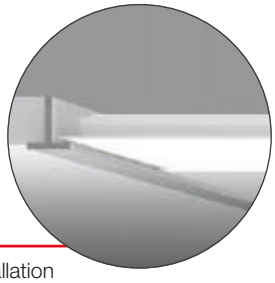
PLUG&PLAY



External driver with simple plug-in locking system and extended converter connecting cable to the luminaire

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1



Extremely shallow installation depth (10 mm)

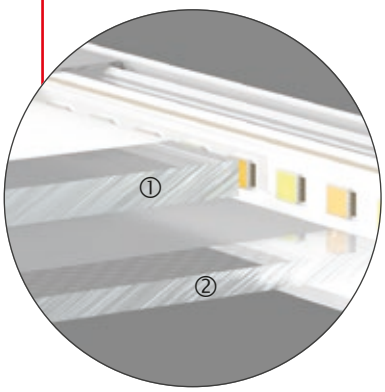
Luminaire frame: aluminium, powder coated

Tunable White:HCL

Tunable white versions dynamically adjustable from 2700 K to 6500 K

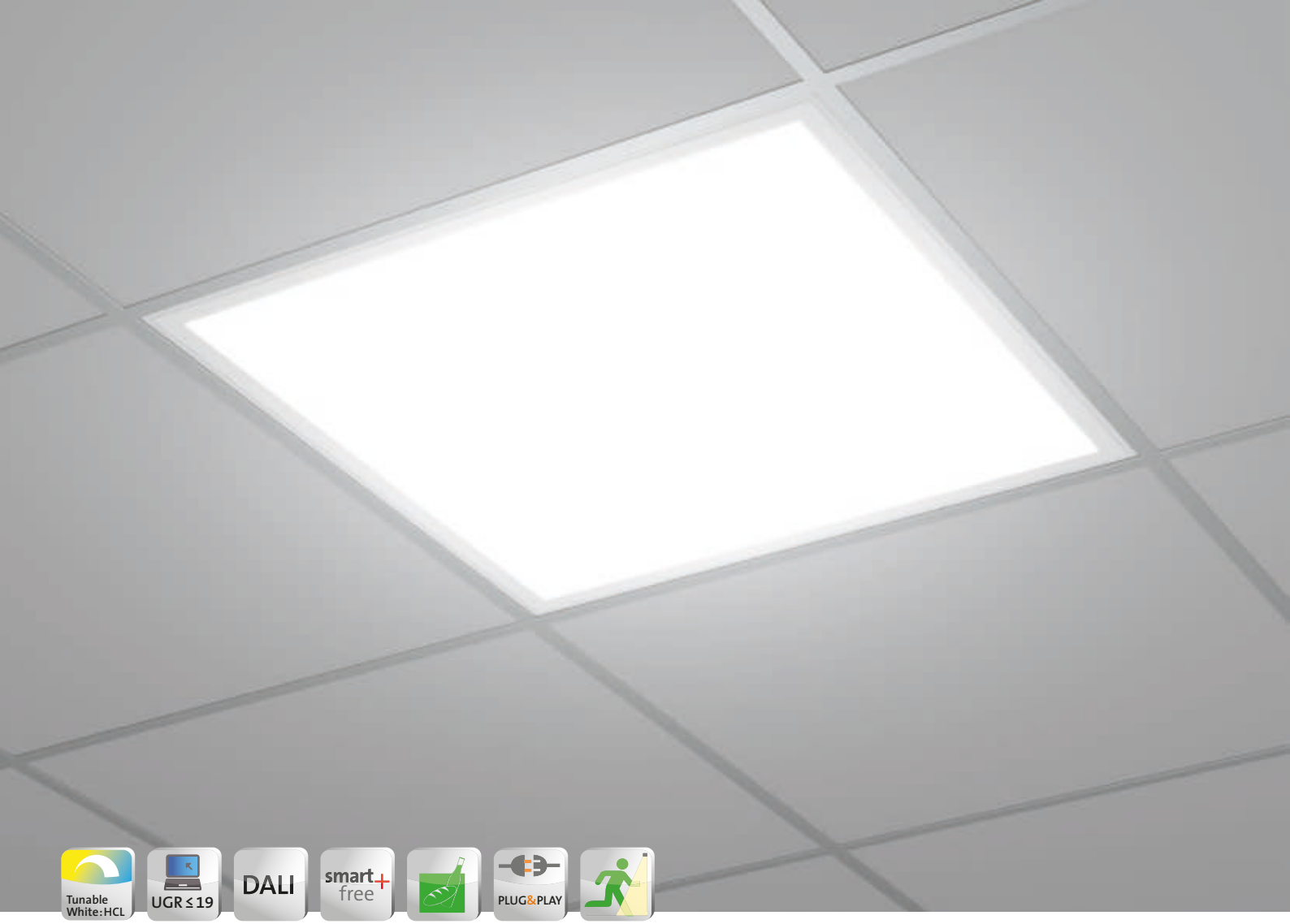
RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution

Lightguide ① and **diffuser** ② with microprismatic made of **non-yellowing PMMA**



smart+ free

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download



SIDELITE® ECO

Lay-in luminaires, Recessed ceiling luminaires

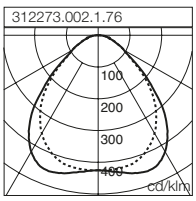
- Extremely cost efficient luminaires with advanced LED technology, available as ceiling, wall, recessed or suspended lighting solutions for interiors
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Suitable for use in the food and drink industry
- **Lightguide** and **diffuser** made of **non-yellowing PMMA** with microprismatic
- RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution
- LED rated life 50,000 h (L70, B10)
- Luminous efficiency of up to 130 lm/W
- Flicker < 5%
- External driver with simple plug-in locking system and extended converter connecting cable to the luminaire
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download



Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires
Indoor lighting | Free-standing luminaires
Emergency lighting | Escape route illumination

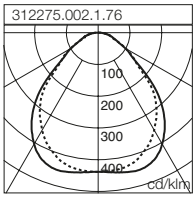
312273.002.1.76

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



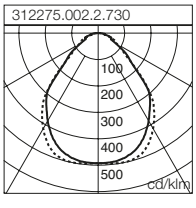
312275.002.1.76

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



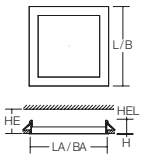
312275.002.2.730

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

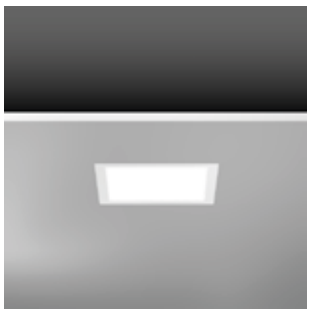
Recessed ceiling luminaires | Sidelite ECO



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-25 mm
Impact Protection: IK03

Luminaire frame: aluminium, powder coated. Recessed mounting frame: sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver (Height 32 mm).

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Recessed ceiling luminaires								**Price Category 21**
cut out LA 315 x BA 315 mm								
Diffuser: plastic (PMMA), opal								
312380.002	L 324, B 324, H 2, HE 85, HEL 51	LED	830	1900 lm	18 W	24,7	on/off	A++
312380.002.76	L 324, B 324, H 2, HE 85, HEL 51	LED	830	1900 lm	18 W	24,7	DALI	A++
312380.002.1	L 324, B 324, H 2, HE 85, HEL 51	LED	840	2100 lm	18 W	24,9	on/off	A++
312380.002.1.76	L 324, B 324, H 2, HE 85, HEL 51	LED	840	2100 lm	18 W	24,9	DALI	A++

Comparison
LED vs. conventional lamps

LED 18 W ≈
2 x 26 W TC-D (68 W CB)



© Linus Lintner

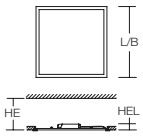
The application image shows:
Sidelite ECO



Comparison
LED vs. conventional lamps

LED 29 / 32 W ≈
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Lay-in luminaires | Sidelite ECO



Type of Protection: IP 20, **IP 40** Tunable White
Protection Class: II
Impact Protection: IK03

Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micropris-matic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver.

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able		EEC
Lay-in luminaires for grid ceilings - Module 600									**Price Category 21**
Diffuser: plastic (PMMA), opal									
312272.002	L 595, B 595, HE 160, HEL 37	LED	830	3200 lm	29 W	20,8	on/off	✓	A++
312272.002.76	L 595, B 595, HE 160, HEL 38	LED	830	3200 lm	29 W	20,8	DALI		A++
312272.002.1 .Q	L 595, B 595, HE 160, HEL 37	LED	840	3700 lm	29 W	21,3	on/off	✓	A++
312272.002.1.76	L 595, B 595, HE 160, HEL 38	LED	840	3700 lm	29 W	21,3	DALI		A++
Tunable White - 2700 K to 6500 K									
312272.002.2.730	L 595, B 595, HE 160, HEL 62	LED	827-865	3000 lm	32 W	20,3	smart+free		A+
Diffuser plastic (PMMA) micro prismatic									
312273.002	L 595, B 595, HE 160, HEL 37	LED	830	3350 lm	29 W	17,6	on/off	✓	A++
312273.002.76	L 595, B 595, HE 160, HEL 38	LED	830	3350 lm	29 W	17,6	DALI		A++
312273.002.1 .Q	L 595, B 595, HE 160, HEL 37	LED	840	3700 lm	29 W	17,9	on/off	✓	A++
312273.002.1.76	L 595, B 595, HE 160, HEL 38	LED	840	3700 lm	29 W	17,9	DALI		A++
Tunable White - 2700 K to 6500 K									
312273.002.2.730	L 595, B 595, HE 160, HEL 62	LED	827-865	3000 lm	32 W	16,8	smart+free		A+
Lay-in luminaires for grid ceilings - Module 625									**Price Category 21**
Diffuser: plastic (PMMA), opal									
312274.002	L 622, B 622, HE 160, HEL 37	LED	830	3350 lm	29 W	20,9	on/off	✓	A++
312274.002.76	L 622, B 622, HE 160, HEL 38	LED	830	3350 lm	29 W	20,9	DALI		A++
312274.002.1 .Q	L 622, B 622, HE 160, HEL 37	LED	840	3600 lm	29 W	21,1	on/off	✓	A++
312274.002.1.76 .Q	L 622, B 622, HE 160, HEL 38	LED	840	3600 lm	29 W	21,1	DALI		A++
Tunable White - 2700 K to 6500 K									
312274.002.2.730	L 622, B 622, HE 160, HEL 62	LED	827-865	3000 lm	32 W	20,5	smart+free		A+
Diffuser plastic (PMMA) micro prismatic									
312275.002	L 622, B 622, HE 160, HEL 37	LED	830	3400 lm	29 W	17,6	on/off	✓	A++
312275.002.76	L 622, B 622, HE 160, HEL 38	LED	830	3400 lm	29 W	17,6	DALI		A++
312275.002.1 .Q	L 622, B 622, HE 160, HEL 37	LED	840	3750 lm	29 W	17,9	on/off	✓	A++
312275.002.1.76 .Q	L 622, B 622, HE 160, HEL 38	LED	840	3750 lm	29 W	17,9	DALI		A++
Tunable White - 2700 K to 6500 K									
312275.002.2.730	L 622, B 622, HE 160, HEL 62	LED	827-865	3000 lm	32 W	16,7	smart+free		A+

Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			**Price Category 21**
981941.012	L 624, B 624, H 2, HE 94	for module 600	
981942.012	L 649, B 649, H 2, HE 94	for module 625	

Spring system set, Ceiling thickness: 10-25 mm		**Price Category 21**
981979.020	consisting of 4 installation springs | for module 625	

Accessories | Surface mounting frame
Mounting frame powder coated metal, white.

Surface mounting frame			**Price Category 21**
982187.032	L 602, B 602, H 52	for module 600	
982292.022 .Q	L 627, B 627, H 47	for module 625	

not suitable for tunable white version

Ceiling surface mounting kit		**Price Category 21**
981980.012	consisting of 4 cylindrical spacers (Ø 30, H 38) | for module 600	

not suitable for tunable white version

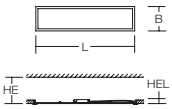
Accessories | Pendant kit
Pendant kit consisting of 4 steel cables and ceiling mounting with rapid cable adjustment

Pendant kit			**Price Category 21**
981978.010	LP 1500	for module 600	

not suitable for tunable white version

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Lay-in luminaires | Sidelite ECO





Type of Protection: IP 20
Protection Class: II
Impact Protection: IK03

Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micropris-matic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver.

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able		EEC
Lay-in luminaires for grid ceilings - Module 1200									**Price Category 21**
Diffuser: plastic (PMMA), opal									
312365.002	L 1195, B 295, HE 160, HEL 37	LED	830	3300 lm	29 W	21,1	on/off	✓	A++
312365.002.76	L 1195, B 295, HE 160, HEL 38	LED	830	3300 lm	29 W	21,1	DALI		A++
312365.002.1	L 1195, B 295, HE 160, HEL 37	LED	840	3550 lm	29 W	21,4	on/off	✓	A++
312365.002.1.76	L 1195, B 295, HE 160, HEL 38	LED	840	3550 lm	29 W	21,4	DALI		A++
Diffuser plastic (PMMA) micro prismatic									
312366.002	L 1195, B 295, HE 160, HEL 37	LED	830	3200 lm	29 W	17,8	on/off	✓	A++
312366.002.76	L 1195, B 295, HE 160, HEL 38	LED	830	3200 lm	29 W	17,8	DALI		A++
312366.002.1	L 1195, B 295, HE 160, HEL 37	LED	840	3450 lm	29 W	18,1	on/off	✓	A++
312366.002.1.76	L 1195, B 295, HE 160, HEL 38	LED	840	3450 lm	29 W	18,1	DALI		A++
Lay-in luminaires for grid ceilings - Module 1250									**Price Category 21**
Diffuser: plastic (PMMA), opal									
312367.002	L 1245, B 308, HE 160, HEL 37	LED	830	3300 lm	29 W	20,9	on/off	✓	A++
312367.002.76	L 1245, B 308, HE 160, HEL 38	LED	830	3300 lm	29 W	20,9	DALI		A++
312367.002.1	L 1245, B 308, HE 160, HEL 37	LED	840	3500 lm	29 W	21,1	on/off	✓	A++
312367.002.1.76	L 1245, B 308, HE 160, HEL 38	LED	840	3500 lm	29 W	21,1	DALI		A++
Diffuser plastic (PMMA) micro prismatic									
312368.002	L 1245, B 308, HE 160, HEL 37	LED	830	3150 lm	29 W	17,5	on/off	✓	A++
312368.002.76	L 1245, B 308, HE 160, HEL 38	LED	830	3150 lm	29 W	17,5	DALI		A++
312368.002.1	L 1245, B 308, HE 160, HEL 37	LED	840	3500 lm	29 W	17,9	on/off	✓	A++
312368.002.1.76	L 1245, B 308, HE 160, HEL 38	LED	840	3500 lm	29 W	17,9	DALI		A++

Comparison
LED vs. conventional lamps

LED 29 W ≈
2 x 28 W T16 (61 W EB)
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			**Price Category 21**
982106.012	L 1224, B 324, H 2, HE 94	for module 1200	

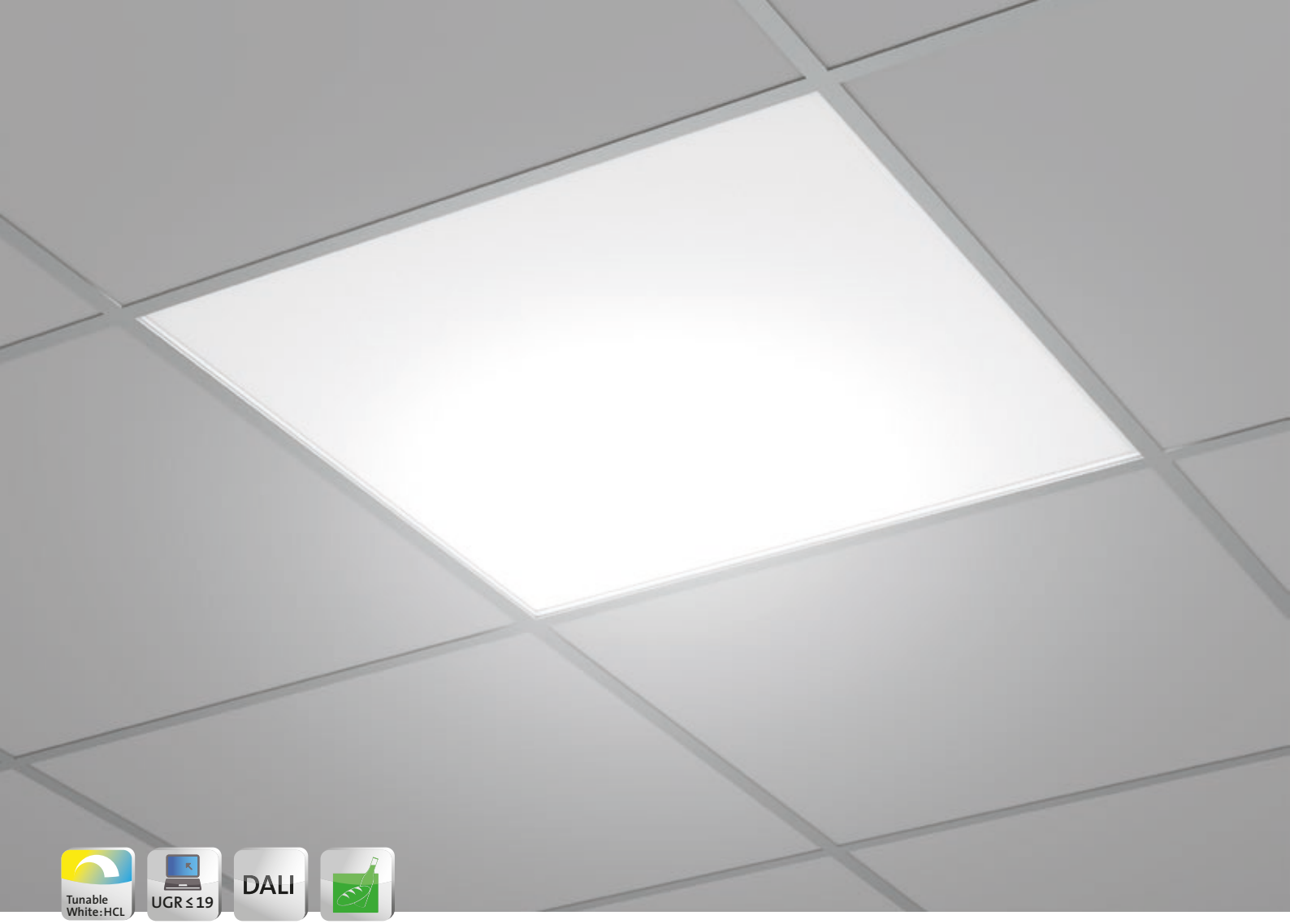
Spring system set, Ceiling thickness: 10-25 mm		**Price Category 11**
981979.030	consisting of 6 installation springs | for module 1250	

Accessories | Surface mounting frame
Mounting frame powder coated metal, white.

Surface mounting frame			**Price Category 21**
982190.042	L 1202, B 302, H 47	for module 1200	
982295.032	L 1252, B 315, H 47	for module 1250	

Ceiling surface mounting kit		**Price Category 21**
981980.012	consisting of 4 cylindrical spacers (Ø 30, H 38) | for module 1200	

Pendant kit			**Price Category 21**
982035.022	L 300, B 100, H 50, LP 300-1500	Y-pendant set with canopy | for module 1200	

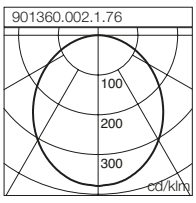


PARLEDO®

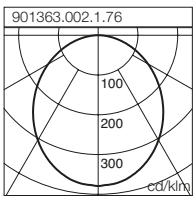
Lay-in luminaires

- Rimless appearance
- Unique lighting solution for circadian light
- Suitable for use in the food and drink industry
- Same luminaire flux with all types
- **Diffuser** made of **non-yellowing PMMA**
- Suitable for grid ceilings (module 600 / 625) and recessed ceiling installations (with accessories)
- Type of protection IP 54 (from bottom and top) - terminal box IP 20
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- LED and converter changeable
- LED rated life 50,000 h (L80, B30)

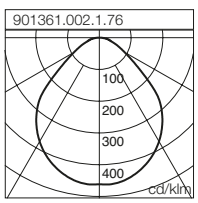
901360.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



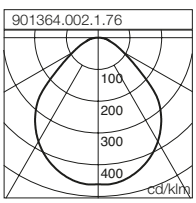
901363.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



901361.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6

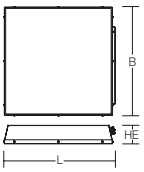


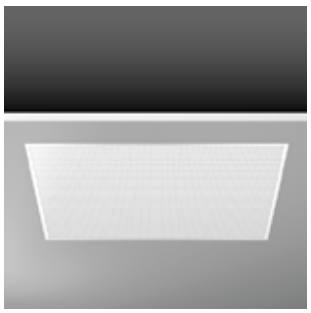
901364.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Lay-in luminaires | Parledo





Type of Protection: **IP 54** (IP 20 rated terminal box)
Protection Class: I
Impact Protection: IK07

Housing: powder-coated metal. Diffuser: plastic (non-yellowing PMMA), opal. Diffuser made of plastic, opal or microprismatic/opal (Suitable for use in environments with computer screens in accordance with EN 12464-1). Converter in separate housing.

If not connected to the DALI line, the luminaire can be operated in ON/OFF mode.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Recessed ceiling luminaires for visible mounting rails - Module 600								**Price Category 21**
Diffuser: plastic, opal								
901360.002.76	L 596, B 596, HE 100	LED	830	3650 lm	34 W	20,1	DALI	A++
901360.002.1.76	L 596, B 596, HE 100	LED	840	3600 lm	33 W	20,1	DALI	A++
Tunable White - 2700 K to 6500 K								
901362.002.76	L 596, B 596, HE 100	LED	827-865	8750 lm	99 W	23,3	DALI	A++
Diffuser: plastic, microprismatic/opal								
901361.002.76	L 596, B 596, HE 100	LED	830	3550 lm	38 W	17,0	DALI	A++
901361.002.1.76	L 596, B 596, HE 100	LED	840	3550 lm	38 W	17,0	DALI	A++
Tunable White - 2700 K to 6500 K								
901372.002.76	L 596, B 596, HE 100	LED	827-865	7850 lm	108 W	19,8	DALI	A++
Recessed ceiling luminaires for visible mounting rails - Module 625								**Price Category 21**
Diffuser: plastic, opal								
901363.002.76	L 622, B 622, HE 100	LED	830	3650 lm	34 W	20,1	DALI	A++
901363.002.1.76	L 622, B 622, HE 100	LED	840	3600 lm	33 W	20,1	DALI	A++
Tunable White - 2700 K to 6500 K								
901365.002.76	L 622, B 622, HE 100	LED	827-865	8750 lm	99 W	23,3	DALI	A++
Diffuser: plastic, microprismatic/opal								
901364.002.76	L 622, B 622, HE 100	LED	830	3550 lm	38 W	17,0	DALI	A++
901364.002.1.76	L 622, B 622, HE 100	LED	840	3550 lm	38 W	17,0	DALI	A++
Tunable White - 2700 K to 6500 K								
901373.002.76	L 622, B 622, HE 100	LED	827-865	7850 lm	108 W	19,8	DALI	A++

Comparison
LED vs. conventional lamps

LED 33 / 34 / 38 W ≈
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

LED 99 / 108 W ≈
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Accessories | Recessed mounting frame

Recessed mounting frame: sheet steel, powder-coated. For installation on suspended ceilings.
Minimum recess depth: 300 mm. Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			**Price Category 21**
981941.002	L 624, B 624, H 2, HE 94	for module 600	
981942.002	L 649, B 649, H 2, HE 94	for module 625	



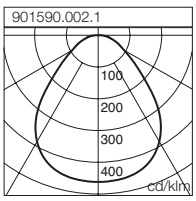


TOLEDO FLAT

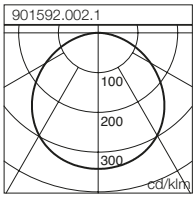
Lay-in luminaires

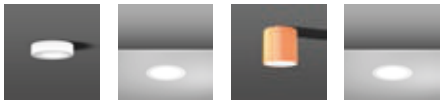
- Extension of the highly successful LED downlight range as recessed luminaire for grid ceilings
- Extra flat design
- **Diffuser** made of **non-yellowing PMMA**, opal matt or micro prismatic
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Separate converter box with connecting cable
- DALI converter is compatible with DC, suitable for central battery system
- Retrofittable decorative cylinders made of chintz fabric as accessory,optional with satin finish polycarbonate diffuser
- Areas of application: Offices, meeting rooms, corridors, side rooms

901590.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



901592.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7

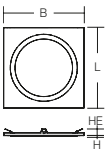




Further luminaires of this series, see:
Indoor lighting | Surface mounted downlights
Indoor lighting | Recessed downlights
Indoor lighting | Fabric lampshade luminaires
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Lay-in luminaires | Toledo Flat





Type of Protection: **IP 40**
Protection Class: II
Impact Protection: IK06

Recessed frame: sheet steel, powder coated. Housing: die-cast aluminium. Diffuser made of non-yellowing PMMA, choice of opal matt or prismatic. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimmable	EEC
Lay-in luminaires for grid ceilings - Module 600									**Price Category 21**
Diffuser: plastic (PMMA), opal									
901591.002	L 595, B 595, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	on/off	A+
901591.002.76	L 595, B 595, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	DALI	A+
901591.002.1	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	on/off	A+
901591.002.1.76	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	DALI	A+
Diffuser: plastic (PMMA), transparent microprismatic									
901589.002	L 595, B 595, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	on/off	A+
901589.002.76	L 595, B 595, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	DALI	A+
901589.002.1	L 595, B 595, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	on/off	A+
901589.002.1.76	L 595, B 595, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	DALI	A+

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimmable	EEC
Lay-in luminaires for grid ceilings - Module 625									**Price Category 21**
Diffuser: plastic (PMMA), opal									
901592.002	L 622, B 622, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	on/off	A+
901592.002.76	L 622, B 622, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	DALI	A+
901592.002.1	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	on/off	A+
901592.002.1.76	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	DALI	A+
Diffuser: plastic (PMMA), transparent microprismatic									
901590.002	L 622, B 622, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	on/off	A+
901590.002.76	L 622, B 622, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	DALI	A+
901590.002.1	L 622, B 622, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	on/off	A+
901590.002.1.76	L 622, B 622, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	DALI	A+

Comparison
LED vs. conventional lamps

LED 35 W ≈
3 x 26 W TC-D (102 W CB)
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Accessories | Chintz decorative element Toledo Flat Round



Standard colour covering surface: 66.8003.01 white
Further colours (see page 355) available at the same price.
Please include the colour code in your order.
Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white


with diffuser


without diffuser

Chintz lampshades			Price Category 21
982323.002	D 500, H 60	Chintz decorative cylinder for Toledo Flat Round D 495	

Cannot be fitted with surface mount housing

Satin finish polycarbonate diffuser (optional)			Price Category 21
Can be installed on the decorative element without any tools			
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500	



Diffusers with Chintz fabric in all colours on request.

Chintz lampshades			Price Category 21
Colour chart			
W06630	Chintz lampshades are available in more than 70 different colours		





For other versions and colour table with over 70 colours, see the chapter on fabric lampshade luminaires.



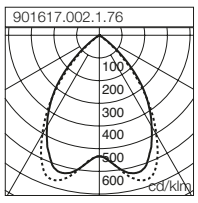
SONIS EVO

Lay-in luminaires, Recessed ceiling luminaires

- Highly efficient LED luminaire
- Suitable for installation in grid ceilings with visible mounting tracks module 600/625
- Alea optical system for glare-free light at the workstation (UGR ≤ 19)
- Darklight reflector
- Narrow beam, brilliant luminous effect
- LED rated life 50,000 h (L80, B10)
- Luminous efficiency up to 125 lm/W

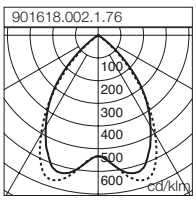
901617.002.1.76

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



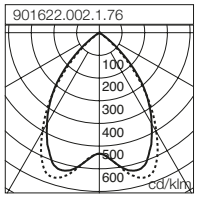
901618.002.1.76

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



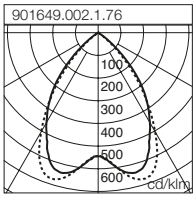
901622.002.1.76

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



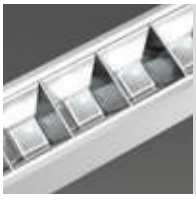
901649.002.1.76

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	2	3





Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires
Emergency lighting | Escape route illumination

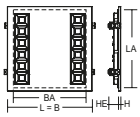


ALEA OPTICAL SYSTEM

A brilliant example of the power of innovation: The Alea optical system in the Sonis EVO combines square reflector elements with a linear structure. The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling luminaires | Sonis EVO





Type of Protection: IP 20
Protection Class: I, II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm). Springs for recessed ceiling installation are included.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Recessed ceiling luminaires								**Price Category 21**
cut out LA 280 x BA 255 mm								
901638.002.1	L 295, B 295, H 8, HE 37	LED	840	1500 lm	12 W	18,5	on/off	A+
901638.002.1.76	L 295, B 295, H 8, HE 37	LED	840	1500 lm	12 W	18,5	DALI	A+
901639.002.1	L 295, B 295, H 8, HE 37	LED	840	2000 lm	16 W	19,5	on/off	A+
901639.002.1.76	L 295, B 295, H 8, HE 37	LED	840	2000 lm	16 W	19,5	DALI	A+

Comparison LED vs. conventional lamps

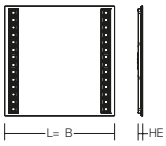
LED 12 W ≈
2 x 18 W TC-D (52 W CB)

LED 16 W ≈
2 x 26 W TC-D (68 W CB)

Mounting frame for installation in suspended ceilings | Ceiling Thickness: 1-25 mm			Price Category 21
981987.012	L 324, B 324, H 2, HE 51	Recessed mounting frame: sheet steel, powder-coated, white.	

Surface mounting frame			Price Category 21
982357.012	L 300, B 300, H 47	Mounting frame powder coated metal, white.	

Lay-in luminaires | Sonis EVO





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm).

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able		EEC
Lay-in luminaires for grid ceilings - Module 600									**Price Category 21**
901617.002.1	L 596, B 596, HE 27	LED	840	3450 lm	30 W	18,5	on/off	✓	A+
901617.002.1.76	L 596, B 596, HE 27	LED	840	3450 lm	30 W	18,5	DALI		A+
Lay-in luminaires for grid ceilings - Module 625									**Price Category 21**
901618.002.1 .Q	L 621, B 621, HE 27	LED	840	3450 lm	30 W	18,5	on/off	✓	A+
901618.002.1.76	L 621, B 621, HE 27	LED	840	3450 lm	30 W	18,5	DALI		A+

Comparison LED vs. conventional lamps

LED 30 W ≈
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Accessories | Recessed mounting frame

Recessed mounting frame: sheet steel, powder-coated. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm



Mounting frame for installation in suspended ceilings			Price Category 21
981941.002	L 624, B 624, H 2, HE 94	for module 600	
981942.002	L 649, B 649, H 2, HE 94	for module 625	

Accessories | Surface mounting frame

Mounting frame powder coated metal, white.

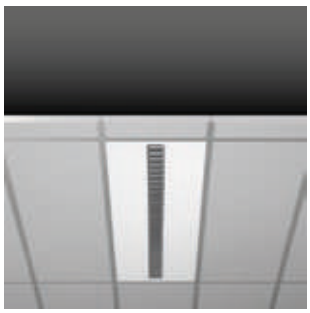


Surface mounting frame			Price Category 21
982187.012	L 602, B 602, H 47	for module 600	
982292.002	L 627, B 627, H 47	for module 625	

Accessories | Pendant frame

Pendant frame with steel cable suspension and supply cable. Pendant frame: powder-coated metal, white.

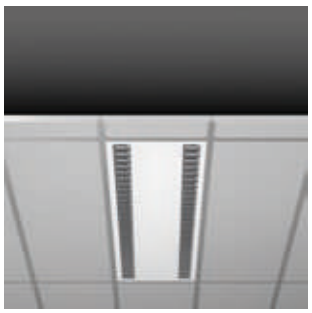
Pendant frame			Price Category 21
982290.012	L 602, B 602, H 33, LP 1500	for module 600	
982291.002	L 627, B 627, H 33, LP 1500	for module 625	



Comparison
LED vs. conventional lamps

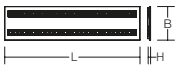
LED 29 W ≈
1 x 58 W T26 (67 W CB)

LED 56 W ≈
2 x 58 W T26 (134 W CB)



double row Alea optical system

Lay-in luminaires | Sonis EVO



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm).

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Lay-in luminaires for grid ceilings - Module 1200								**Price Category 21**
Module 1200								
single row Alea optical system								
901622.002.1	L 1197, B 297, HE 27	LED	840	3450 lm	29 W	18,5	on/off	A+
901622.002.1.76	L 1197, B 297, HE 27	LED	840	3450 lm	29 W	18,5	DALI	A+
double row Alea optical system								
901648.002.1	L 1197, B 297, HE 27	LED	840	6500 lm	56 W	18,6	on/off	A+
901648.002.1.76	L 1197, B 297, HE 27	LED	840	6500 lm	56 W	18,6	DALI	A+
Lay-in luminaires for grid ceilings - Module 1250								**Price Category 21**
Module 1250								
single row Alea optical system								
901623.002.1	L 1247, B 310, HE 27	LED	840	3450 lm	29 W	18,5	on/off	A+
901623.002.1.76	L 1247, B 310, HE 27	LED	840	3450 lm	29 W	18,5	DALI	A+
double row Alea optical system								
901649.002.1	L 1247, B 310, HE 27	LED	840	6500 lm	56 W	18,6	on/off	A+
901649.002.1.76	L 1247, B 310, HE 27	LED	840	6500 lm	56 W	18,6	DALI	A+

Accessories | Recessed mounting frame
Recessed mounting frame: sheet steel, powder-coated, white. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			Price Category 21
982106.002	L 1224, B 324, H 2, HE 94	for module 1200	
982426.002	L 1274, B 337, H 2, HE 94	for module 1250	

Accessories | Surface mounting frame
Mounting frame powder coated metal, white.

Surface mounting frame			Price Category 21
982190.012	L 1202, B 302, H 47	for module 1200, single row Alea optical system	
982190.032	L 1202, B 302, H 47	for module 1200, double row Alea optical system	
982295.012	L 1252, B 315, H 47	for module 1250, single row Alea optical system	
982295.022	L 1252, B 315, H 47	for module 1250, double row Alea optical system	

Accessories | Pendant frame
Pendant frame with steel cable suspension and supply cable. Pendant frame: powder-coated metal, white.

Pendant frame			Price Category 21
982293.012	L 1202, B 302, H 33, LP 1500	for module 1200	
982294.002	L 1252, B 315, H 33, LP 1500	for module 1250	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



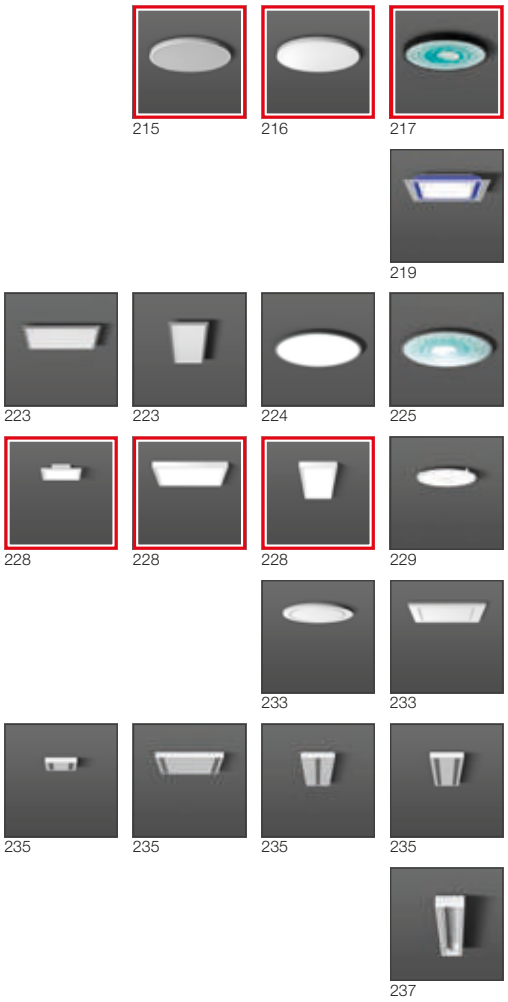
© Fotostudio Lippmann

The application image shows:
Sonis EVO



The application image shows:
Sidelite ECO

© Linus Lintner



Triona
212-217

Econe
218-219

Sidelite
Sidelite Round
220-225

Sidelite ECO
226-229

Hemis
230-233

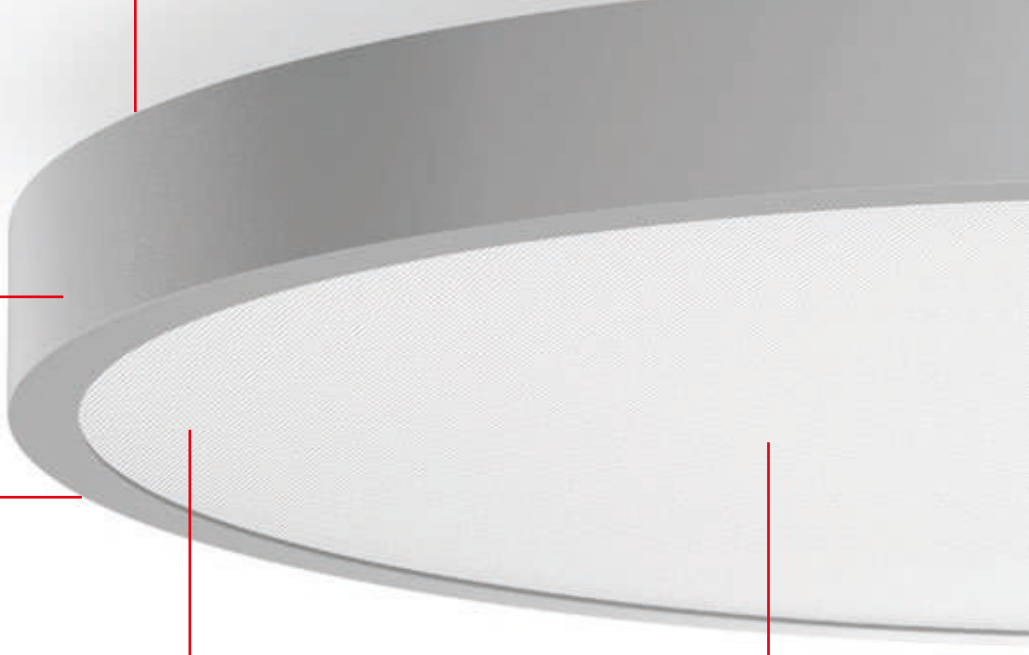
Sonis EVO
234-235

Sonis A
236-237

TRIONA®

Everything at a glance

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

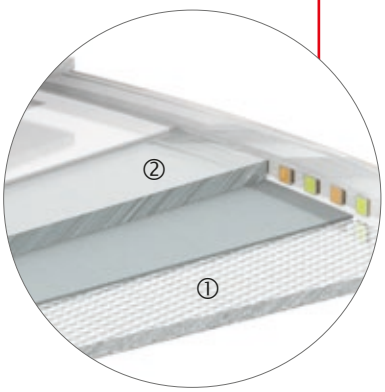


3 different colours are available for the very flat and seamless extruded aluminium profile

Tunable white versions, dynamically adjustable from 2700 K to 6500 K

Ideal for use as part of a Human Centric Lighting concept

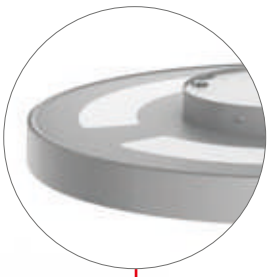
RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution and rimless illumination



Direct light emission through diffuser

Diffuser ① and **lightguide** ② made of **non-yellowing PMMA**

Diffuser plastic opal/microprismatic: ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1



PLUG&PLAY

Very easy plug-in installation (Quick connector)

Mounting without use of tools, with bayonet fitting

Indirect light emission through **non-yellowing** plastic **(PMMA) diffuser**, satin finish.



3 sizes

Ø 681 mm
Ø 845 mm
Ø 1009 mm



2 light emission characteristics

direct
direct/indirect



3 diffusers

Plastic (PMMA), opal
Plastic (PMMA) opal/microprismatic
Glass FerroMurano





TRIONA®

Ceiling and wall luminaires

- Made in Germany
- Available in three diameters and colours
- This lighting fixture's prismatic plastic diffuser is incorporated into an aluminium profile just 50 mm thick
- Lateral light emission with LED
- Direct or direct/indirect light emission
- Tool-free mounting
- Very easy installation thanks to plug & play connection
- Various design possibilities of the distinctive large surface luminaire:
  - hand-crafted FerroMurano glass inserts
  - opal diffuser
  - opal microprismatic diffuser

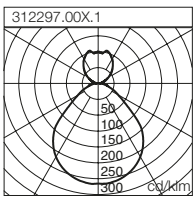



Further luminaires of this series, see:
Indoor lighting | Suspended modular luminaires

- **Lightguide** and plastic **diffuser** made of **non-yellowing PMMA**
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Luminous flux up to 12400 lm
- Tunable white versions, dynamically adjustable from 2700 K to 6500 K
- Ideal for use as part of a Human Centric Lighting concept
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

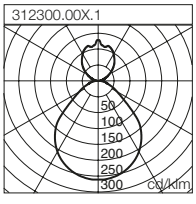
312297.00X.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



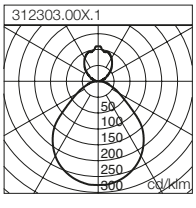
312300.00X.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	3



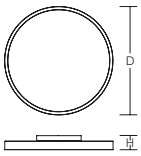
312303.00X.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	1	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	2



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Triona



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/micro-prismatic diffuser (screen-compliant in accordance with EN-12464-1). Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires - Direct light emission								**Price Category 21**
Diameter D 681 mm								
312296.00X	D 681, H 88	LED	830	3550 lm	33 W	18,5	on/off	A++
312296.00X.730	D 681, H 88	LED	830	3550 lm	33 W	18,5	smart+free	A++
312296.00X.76	D 681, H 88	LED	830	3550 lm	33 W	18,5	DALI	A++
312296.00X.1	D 681, H 88	LED	840	3700 lm	33 W	18,6	on/off	A++
312296.00X.1.730	D 681, H 88	LED	840	3700 lm	33 W	18,6	smart+free	A++
312296.00X.1.76	D 681, H 88	LED	840	3700 lm	33 W	18,6	DALI	A++
Tunable White - 2700 K to 6500 K								
312296.00X.2.730	D 681, H 88	LED	827-865	3550 lm	40 W	18,0	smart+free	A++
Diameter D 845 mm								
312299.00X	D 845, H 88	LED	830	7600 lm	70 W	18,9	on/off	A++
312299.00X.730	D 845, H 88	LED	830	7600 lm	70 W	18,9	smart+free	A++
312299.00X.76	D 845, H 88	LED	830	7600 lm	70 W	18,9	DALI	A++
312299.00X.1	D 845, H 88	LED	840	7900 lm	70 W	19,0	on/off	A++
312299.00X.1.730	D 845, H 88	LED	840	7900 lm	70 W	19,0	smart+free	A++
312299.00X.1.76	D 845, H 88	LED	840	7900 lm	70 W	19,0	DALI	A++
Tunable White - 2700 K to 6500 K								
312299.00X.2.730	D 845, H 88	LED	827-865	5050 lm	49 W	18,0	smart+free	A++
Diameter D 1009 mm								
312302.00X	D 1009, H 88	LED	830	8850 lm	89 W	18,6	on/off	A++
312302.00X.730	D 1009, H 88	LED	830	8850 lm	89 W	18,6	smart+free	A++
312302.00X.76	D 1009, H 88	LED	830	8850 lm	89 W	18,6	DALI	A++
312302.00X.1	D 1009, H 88	LED	840	9200 lm	89 W	18,8	on/off	A++
312302.00X.1.730	D 1009, H 88	LED	840	9200 lm	89 W	18,8	smart+free	A++
312302.00X.1.76	D 1009, H 88	LED	840	9200 lm	89 W	18,8	DALI	A++
Tunable White - 2700 K to 6500 K								
312302.00X.2.730	D 1009, H 88	LED	827-865	6000 lm	61 W	16,8	smart+free	A++
Ceiling and wall luminaires - Direct 70% - indirect 30% light emission								**Price Category 21**
Diameter D 681 mm								
312297.00X	D 681, H 88	LED	830	6300 lm	68 W	17,2	on/off	A++
312297.00X.730	D 681, H 88	LED	830	6300 lm	68 W	17,2	smart+free	A++
312297.00X.76	D 681, H 88	LED	830	6300 lm	68 W	17,2	DALI	A++
312297.00X.1	D 681, H 88	LED	840	6550 lm	68 W	17,5	on/off	A++
312297.00X.1.730	D 681, H 88	LED	840	6550 lm	68 W	17,5	smart+free	A++
312297.00X.1.76	D 681, H 88	LED	840	6550 lm	68 W	17,5	DALI	A++
Tunable White - 2700 K to 6500 K								
312297.00X.2.730	D 681, H 88	LED	827-865	4800 lm	61 W	16,1	smart+free	A++
Diameter D 845 mm								
312300.00X	D 845, H 88	LED	830	10000 lm	110 W	16,7	on/off	A++
312300.00X.730	D 845, H 88	LED	830	10000 lm	110 W	16,7	smart+free	A++
312300.00X.76	D 845, H 88	LED	830	10000 lm	110 W	16,7	DALI	A++
312300.00X.1	D 845, H 88	LED	840	10400 lm	110 W	16,9	on/off	A++
312300.00X.1.730	D 845, H 88	LED	840	10400 lm	110 W	16,9	smart+free	A++
312300.00X.1.76	D 845, H 88	LED	840	10400 lm	110 W	16,9	DALI	A++
Tunable White - 2700 K to 6500 K								
312300.00X.2.730	D 845, H 88	LED	827-865	7200 lm	76 W	16,0	smart+free	A++
Diameter D 1009 mm								
312303.00X	D 1009, H 88	LED	830	11900 lm	122 W	16,8	on/off	A++
312303.00X.730	D 1009, H 88	LED	830	11900 lm	122 W	16,8	smart+free	A++
312303.00X.76	D 1009, H 88	LED	830	11900 lm	122 W	16,8	DALI	A++
312303.00X.1	D 1009, H 88	LED	840	12400 lm	122 W	16,9	on/off	A++
312303.00X.1.730	D 1009, H 88	LED	840	12400 lm	122 W	16,9	smart+free	A++
312303.00X.1.76	D 1009, H 88	LED	840	12400 lm	122 W	16,9	DALI	A++
Tunable White - 2700 K to 6500 K								
312303.00X.2.730	D 1009, H 88	LED	827-865	7750 lm	85 W	15,3	smart+free	A++

Light colour 827 on request.

Comparison LED vs. conventional lamps

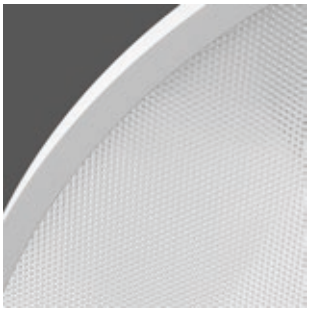
LED 33 / 40 W ≈
1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈
3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈
4 x 28 W T16 (122 W EB)

LED 89 W ≈
4 x 35 W T16 (150 W EB)

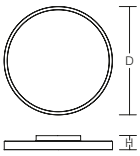
LED 110 / 122 W ≈
4 x 49 W T16 (212 W EB)



Diffuser: plastic (PMMA) opal/microprismatic



Ceiling and wall luminaires | Triona



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Sensor — Applies to versions with .76

Comparison LED vs. conventional lamps

LED 33 / 40 W ≈
1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈
3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈
4 x 28 W T16 (122 W EB)

LED 89 W ≈
4 x 35 W T16 (150 W EB)

LED 110 / 122 W ≈
4 x 49 W T16 (212 W EB)



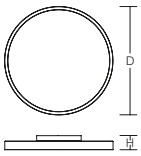
Diffuser: plastic (PMMA), opal

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires - Direct light emission								**Price Category 21**
Diameter D 681 mm								
312383.00X	D 681, H 88	LED	830	3350 lm	33 W	20,1	on/off	A++
312383.00X.730	D 681, H 88	LED	830	3350 lm	33 W	20,1	smart+free	A++
312383.00X.76	D 681, H 88	LED	830	3350 lm	33 W	20,1	DALI	A++
312383.00X.1	D 681, H 88	LED	840	3500 lm	33 W	20,3	on/off	A++
312383.00X.1.730	D 681, H 88	LED	840	3500 lm	33 W	20,3	smart+free	A++
312383.00X.1.76	D 681, H 88	LED	840	3500 lm	33 W	20,3	DALI	A++
Tunable White - 2700 K to 6500 K								
312383.00X.2.730	D 681, H 88	LED	827-865	3350 lm	40 W	20,1	smart+free	A++
Diameter D 845 mm								
312387.00X	D 845, H 88	LED	830	7250 lm	70 W	21,2	on/off	A++
312387.00X.730	D 845, H 88	LED	830	7250 lm	70 W	21,2	smart+free	A++
312387.00X.76	D 845, H 88	LED	830	7250 lm	70 W	21,2	DALI	A++
312387.00X.1	D 845, H 88	LED	840	7500 lm	70 W	21,3	on/off	A++
312387.00X.1.730	D 845, H 88	LED	840	7500 lm	70 W	21,3	smart+free	A++
312387.00X.1.76	D 845, H 88	LED	840	7500 lm	70 W	21,3	DALI	A++
Tunable White - 2700 K to 6500 K								
312387.00X.2.730	D 845, H 88	LED	827-865	4800 lm	49 W	19,7	smart+free	A++
Diameter D 1009 mm								
312391.00X	D 1009, H 88	LED	830	8400 lm	89 W	20,4	on/off	A++
312391.00X.730	D 1009, H 88	LED	830	8400 lm	89 W	20,4	smart+free	A++
312391.00X.76	D 1009, H 88	LED	830	8400 lm	89 W	20,4	DALI	A++
312391.00X.1	D 1009, H 88	LED	840	8700 lm	89 W	20,5	on/off	A++
312391.00X.1.730	D 1009, H 88	LED	840	8700 lm	89 W	20,4	smart+free	A++
312391.00X.1.76	D 1009, H 88	LED	840	8700 lm	89 W	20,4	DALI	A++
Tunable White - 2700 K to 6500 K								
312391.00X.2.730	D 1009, H 88	LED	827-865	5700 lm	61 W	19,1	smart+free	A++
Ceiling and wall luminaires - Direct 70% - indirect 30% light emission								**Price Category 21**
Diameter D 681 mm								
312384.00X	D 681, H 88	LED	830	6000 lm	68 W	18,9	on/off	A++
312384.00X.730	D 681, H 88	LED	830	6000 lm	68 W	18,9	smart+free	A++
312384.00X.76	D 681, H 88	LED	830	6000 lm	68 W	18,9	DALI	A++
312384.00X.1	D 681, H 88	LED	840	6250 lm	68 W	19,1	on/off	A++
312384.00X.1.730	D 681, H 88	LED	840	6250 lm	68 W	19,1	smart+free	A++
312384.00X.1.76	D 681, H 88	LED	840	6250 lm	68 W	19,1	DALI	A++
Tunable White - 2700 K to 6500 K								
312384.00X.2.730	D 681, H 88	LED	827-865	4600 lm	61 W	18,0	smart+free	A++
Diameter D 845 mm								
312388.00X	D 845, H 88	LED	830	9500 lm	110 W	19,1	on/off	A++
312388.00X.730	D 845, H 88	LED	830	9500 lm	110 W	19,1	smart+free	A++
312388.00X.76	D 845, H 88	LED	830	9500 lm	110 W	19,1	DALI	A++
312388.00X.1	D 845, H 88	LED	840	9900 lm	110 W	19,2	on/off	A++
312388.00X.1.730	D 845, H 88	LED	840	9900 lm	110 W	19,2	smart+free	A++
312388.00X.1.76	D 845, H 88	LED	840	9900 lm	110 W	19,2	DALI	A++
Tunable White - 2700 K to 6500 K								
312388.00X.2.730	D 845, H 88	LED	827-865	6800 lm	76 W	16,9	smart+free	A++
Diameter D 1009 mm								
312392.00X	D 1009, H 88	LED	830	11300 lm	122 W	18,4	on/off	A++
312392.00X.730	D 1009, H 88	LED	830	11300 lm	122 W	18,4	smart+free	A++
312392.00X.76	D 1009, H 88	LED	830	11300 lm	122 W	18,4	DALI	A++
312392.00X.1	D 1009, H 88	LED	840	11800 lm	122 W	18,6	on/off	A++
312392.00X.1.730	D 1009, H 88	LED	840	11800 lm	122 W	18,6	smart+free	A++
312392.00X.1.76	D 1009, H 88	LED	840	11800 lm	122 W	18,6	DALI	A++
Tunable White - 2700 K to 6500 K								
312392.00X.2.730	D 1009, H 88	LED	827-865	7400 lm	85 W	16,6	smart+free	A++

Light colour 827 on request.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Triona FerroMurano





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

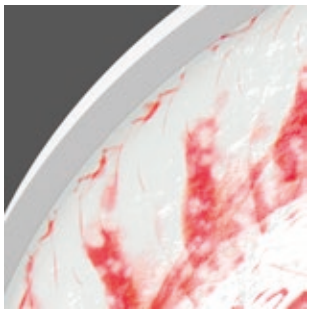
Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

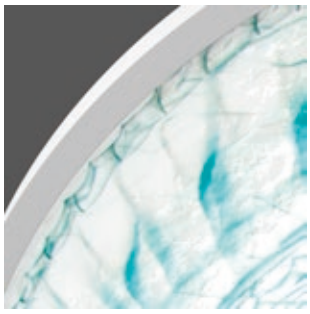


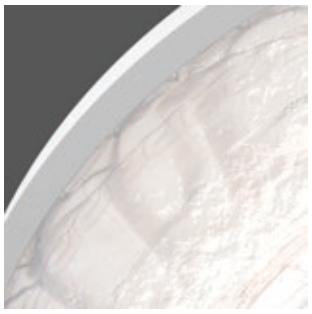
Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires - Direct 70% - indirect 30% light emission							**Price Category 21**
Diameter D 681 mm							
Glass FerroMurano red							
312291.00X	D 681, H 88	LED	830	4300 lm	68 W	on/off	A++
312291.00X.730	D 681, H 88	LED	830	4300 lm	68 W	smart+free	A++
312291.00X.76	D 681, H 88	LED	830	4300 lm	68 W	DALI	A++
312291.00X.1	D 681, H 88	LED	840	4450 lm	68 W	on/off	A++
312291.00X.1.730	D 681, H 88	LED	840	4450 lm	68 W	smart+free	A++
312291.00X.1.76	D 681, H 88	LED	840	4450 lm	68 W	DALI	A++
Glass FerroMurano blue							
312292.00X	D 681, H 88	LED	830	5150 lm	68 W	on/off	A++
312292.00X.730	D 681, H 88	LED	830	5150 lm	68 W	smart+free	A++
312292.00X.76	D 681, H 88	LED	830	5150 lm	68 W	DALI	A++
312292.00X.1	D 681, H 88	LED	840	5350 lm	68 W	on/off	A++
312292.00X.1.730	D 681, H 88	LED	840	5350 lm	68 W	smart+free	A++
312292.00X.1.76	D 681, H 88	LED	840	5350 lm	68 W	DALI	A++
Glass FerroMurano white							
312290.00X	D 681, H 88	LED	830	5800 lm	68 W	on/off	A++
312290.00X.730	D 681, H 88	LED	830	5800 lm	68 W	smart+free	A++
312290.00X.76	D 681, H 88	LED	830	5800 lm	68 W	DALI	A++
312290.00X.1	D 681, H 88	LED	840	6000 lm	68 W	on/off	A++
312290.00X.1.730	D 681, H 88	LED	840	6000 lm	68 W	smart+free	A++
312290.00X.1.76	D 681, H 88	LED	840	6000 lm	68 W	DALI	A++

The luminaire flux and UGR of each luminaire varies due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.

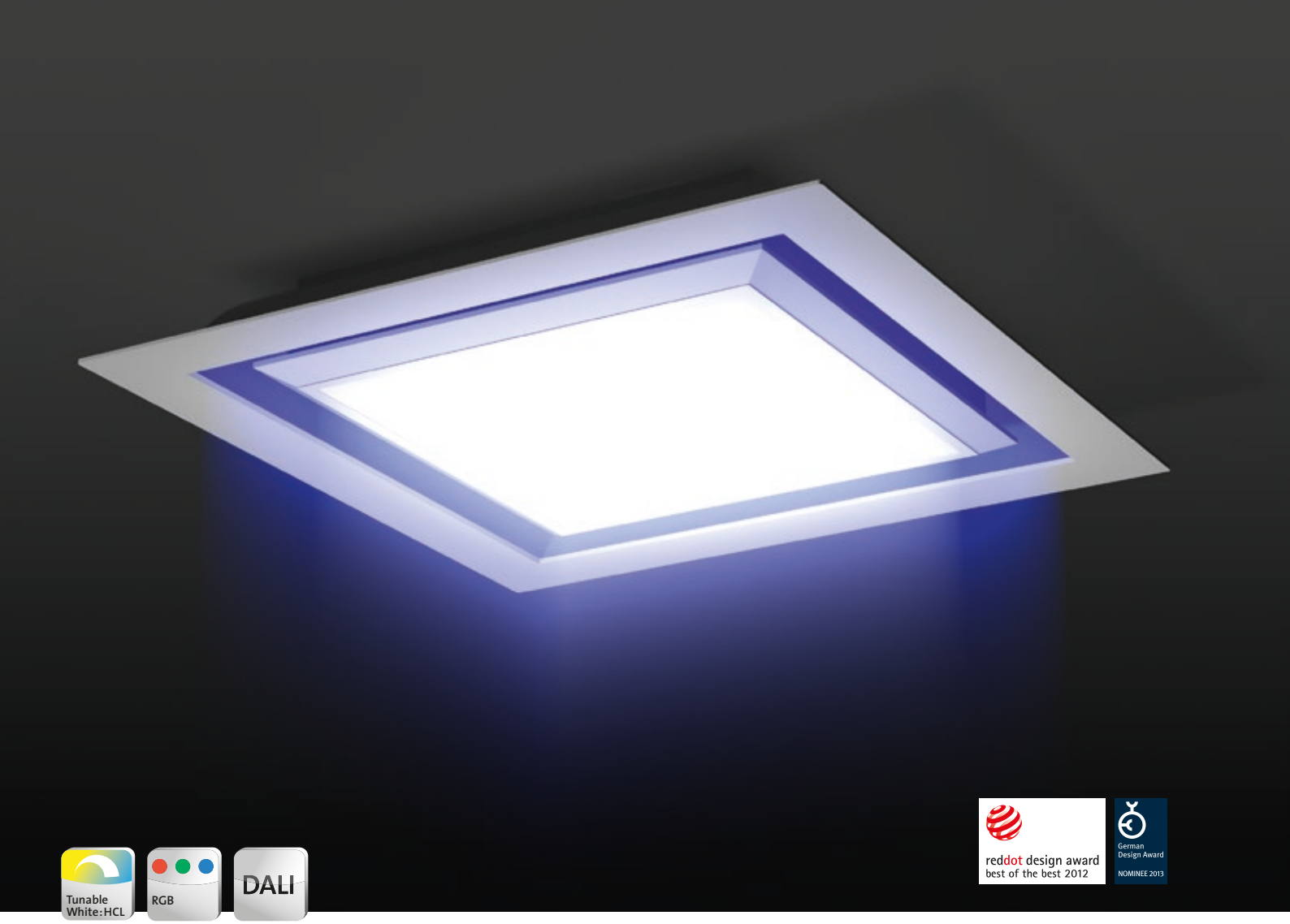

Glass FerroMurano red


Glass FerroMurano blue


Glass FerroMurano white



Further information on coloured FerroMurano glass as well as an overview of additional FerroMurano RZB luminaires can be found on page 142 of this catalogue or at www.rzb-lighting.com

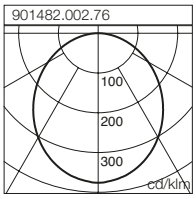


ECONE®

Ceiling luminaires

- Effective LED wide field luminaire for interior use
- Comprehensive range consisting of:
  - Recessed luminaires
  - Surface mounted luminaires
  - Pendant luminaires
- Ideally suited to health and care facilities, recommended for office, work, common and conference rooms
- Plastic light frame available in transparent or white with LED colour light channel (RZB)
- **Diffuser** made of **non-yellowing** plastic (**PMMA**) opal
- Suitable for circadian light gradient: Two separate light rooms and the dynamic mixture of the light colours used enable the daylight simulation
- Intelligent and simple control (Plug & Play) with light control +^{3} Professional

901482.002.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	2	3

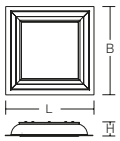




Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Econe





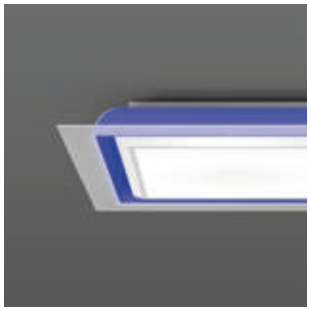
Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 100-2000 mm

Housing: sheet steel, powder-coated. Diffuser: plastic (non-yellowing PMMA), opal.
Light frame: plastic, transparent or white, with RGB LED band. Integral driver.

Can be controlled via our **light control +³ Professional** light management system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light output	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
Light frame: transparent								
901368.002.76	L 1000, B 1000, H 125	LED	direct light channel	840 RGB	3450 lm	108 W	DALI	A+
901482.002.76	L 1000, B 1000, H 125	LED	direct light channel	827-865 RGB	3450 lm	164 W	DALI	A+
Light frame: white								
901410.002.76	L 1000, B 1000, H 125	LED	direct light channel	840 RGB	3450 lm	108 W	DALI	A+


Light frame: transparent


Light frame: white



The application image shows:
Econe

SIDELITE®

Everything at a glance

Tunable White:HCL

Tunable white versions dynamically adjustable from 2700 K to 6500 K

UGR ≤ 19

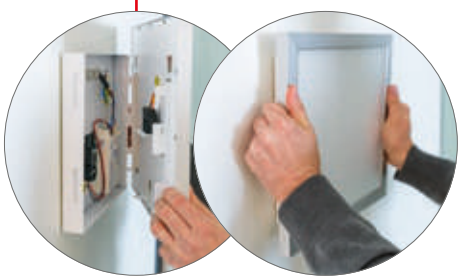
Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1

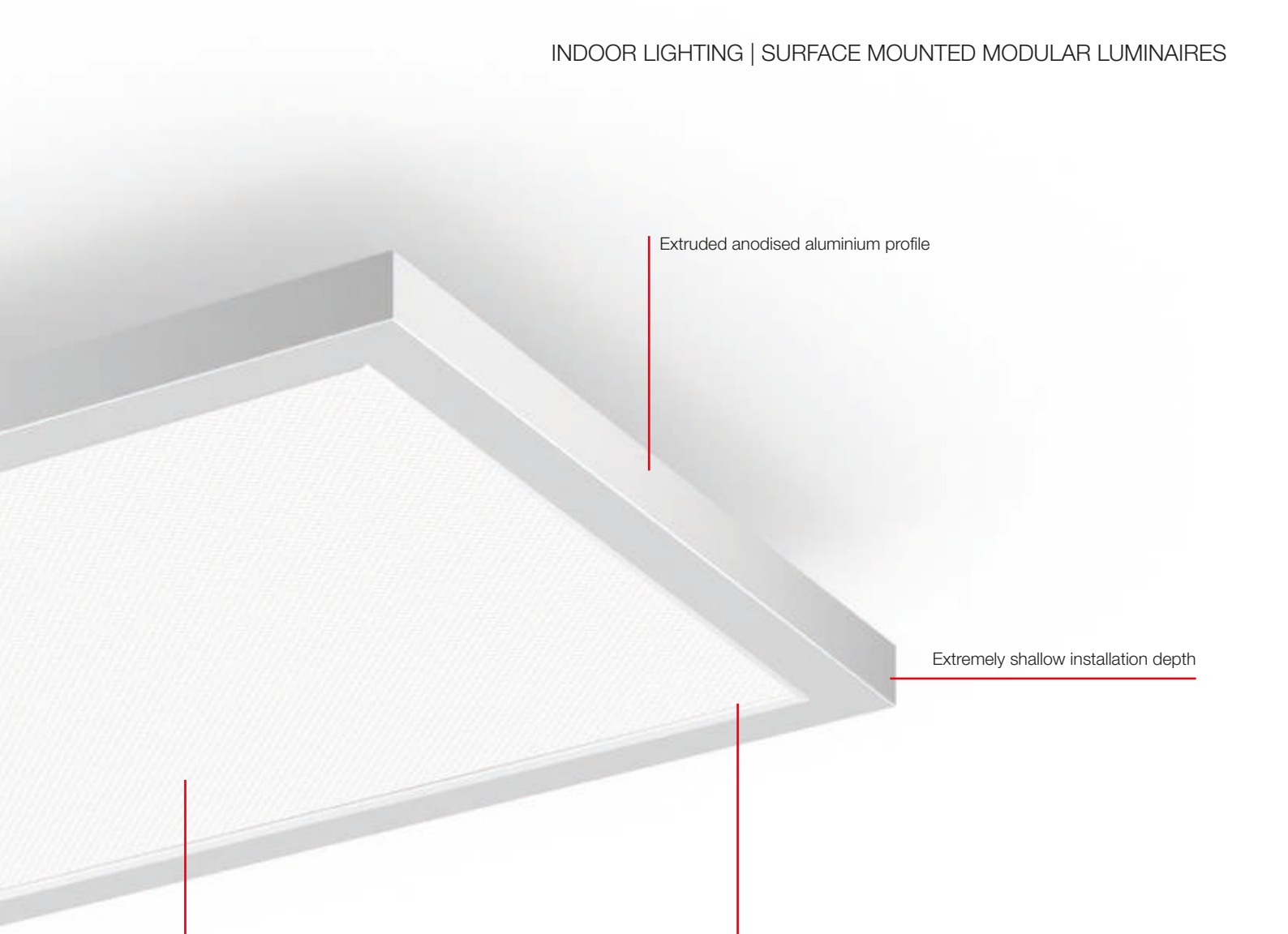
smart+ free

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

PLUG&PLAY

Easy plug-in installation (Quick-Connector)



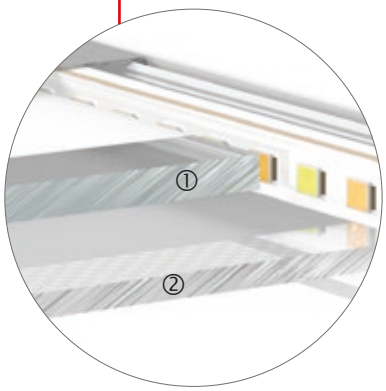


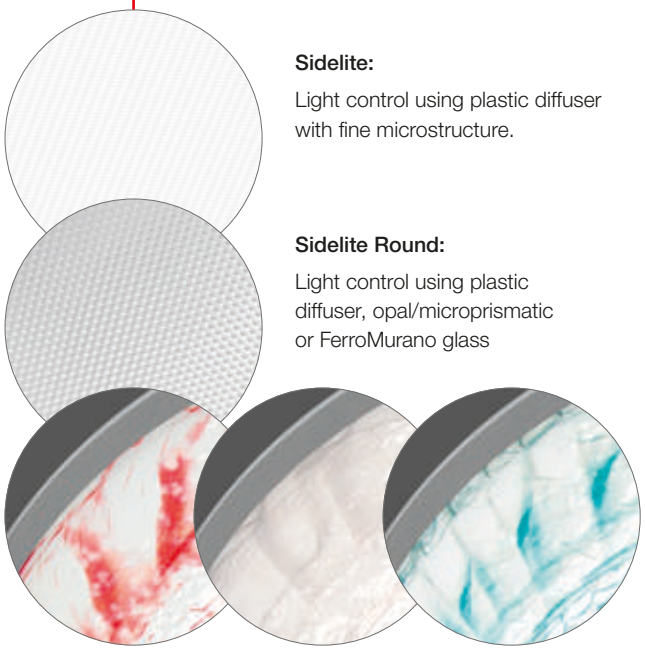
Extruded anodised aluminium profile

Extremely shallow installation depth

RZB SIDELITE® technology:
lateral light injection for extremely homogeneous light distribution

Diffusers ① and **lightguide** ②
made of **non-yellowing PMMA**





Sidelite:

Light control using plastic diffuser with fine microstructure.

Sidelite Round:

Light control using plastic diffuser, opal/microprismatic or FerroMurano glass

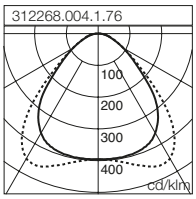


SIDELITE®

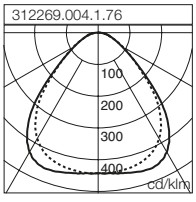
Ceiling and wall luminaires

- Aesthetically pleasing low profile luminaires that integrate advanced LED technology
- RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution
- **Lightguide** and plastic **diffuser** made of **non-yellowing PMMA**
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Easy plug-in installation
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

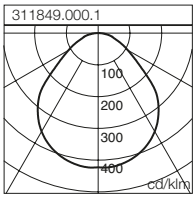
312268.004.1.76		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5

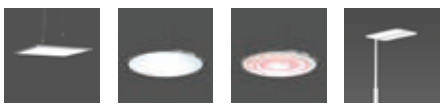


312269.004.1.76		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



311849.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5

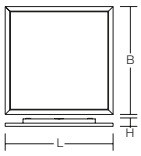




Further luminaires of this series, see:
Indoor lighting | Suspended modular luminaires
Indoor lighting | Free-standing luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Sidelite





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing PMMA. Diffuser with microstructure (Suitable for use in environments with computer screens in accordance with EN 12464-1). Integral driver. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Length L 298 mm x Width B 298 mm								
312267.004	L 298, B 298, H 49	LED	830	1950 lm	20 W	20,6	on/off	A+
312267.004.76	L 298, B 298, H 49	LED	830	1950 lm	20 W	20,6	DALI	A+
312267.004.1	L 298, B 298, H 49	LED	840	2150 lm	20 W	20,8	on/off	A+
312267.004.1.76	L 298, B 298, H 49	LED	840	2150 lm	20 W	20,8	DALI	A+
Length L 598 mm x Width B 598 mm								
312268.004	L 598, B 598, H 49	LED	830	3800 lm	33 W	17,7	on/off	A+
312268.004.76	L 598, B 598, H 49	LED	830	3800 lm	33 W	17,7	DALI	A+
312268.004.1	L 598, B 598, H 49	LED	840	4300 lm	33 W	18,4	on/off	A+
312268.004.1.76	L 598, B 598, H 49	LED	840	4300 lm	33 W	18,4	DALI	A+
Tunable White - 2700 K to 6500 K								
312268.004.2.730	L 598, B 598, H 49	LED	827-865	2900 lm	28 W	16,5	smart+free	A+

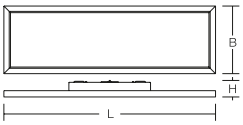
Comparison
LED vs. conventional lamps

LED 20 W ≈
2 x 26 W TC-D (68 W CB)

LED 28 W ≈
4 x 14 W T16 (68 W EB)
3 x 24 W T16 (75 W EB)

LED 33 W ≈
4 x 24 W T16 (98 W EB)

Ceiling and wall luminaires | Sidelite





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing PMMA. Diffuser with microstructure (Suitable for use in environments with computer screens in accordance with EN 12464-1). Integral driver. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
312269.004	L 1198, B 298, H 49	LED	830	3950 lm	33 W	17,7	on/off	A+
312269.004.76	L 1198, B 298, H 49	LED	830	3950 lm	33 W	17,7	DALI	A+
312269.004.1	L 1198, B 298, H 49	LED	840	4100 lm	33 W	18,0	on/off	A+
312269.004.1.76	L 1198, B 298, H 49	LED	840	4100 lm	33 W	18,0	DALI	A+
Tunable White - 2700 K to 6500 K								
312269.004.2.730	L 1198, B 298, H 49	LED	827-865	3350 lm	28 W	17,1	smart+free	A+

Comparison
LED vs. conventional lamps

LED 28 W ≈
4 x 14 W T16 (68 W EB)
3 x 24 W T16 (75 W EB)

LED 33 W ≈
4 x 24 W T16 (98 W EB)



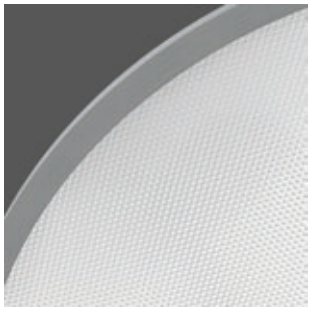
Applies to versions with .76

Comparison LED vs. conventional lamps

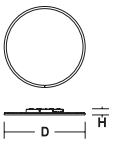
LED 19 W ≈
1 x 40 W T16-R (43 W EB)
1 x 39 W T16 (42 W EB)

LED 24 W ≈
1 x 60 W T16-R (65 W EB)
4 x 14 W T16 (68 W EB)

LED 31 / 34 W ≈
4 x 24 W T16 (98 W EB)



Ceiling and wall luminaires | Sidelite Round



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing PMMA. Diffuser opal/microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Integral driver. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Diffuser: plastic (PMMA) opal/microprismatic								
Diameter D 348 mm								
311997.000	D 348, H 50	LED	830	1800 lm	19 W	20,8	on/off	A++
311997.000.730	D 348, H 50	LED	830	1800 lm	19 W	20,8	smart+free	A++
311997.000.76	D 348, H 50	LED	830	1800 lm	19 W	20,8	DALI	A++
311997.000.1	D 348, H 50	LED	840	1900 lm	19 W	21,0	on/off	A++
311997.000.1.730	D 348, H 50	LED	840	1900 lm	19 W	21,0	smart+free	A++
311997.000.1.76	D 348, H 50	LED	840	1900 lm	19 W	21,0	DALI	A++
Tunable White - 2700 K to 6500 K								
311997.000.2.730	D 348, H 50	LED	827-865	1700 lm	19 W	20,5	smart+free	A++
Diameter D 457 mm								
311916.004	D 457, H 50	LED	830	2500 lm	24 W	19,7	on/off	A++
311916.004.730	D 457, H 50	LED	830	2500 lm	24 W	19,7	smart+free	A++
311916.004.76	D 457, H 50	LED	830	2500 lm	24 W	19,7	DALI	A++
311916.004.1	D 457, H 50	LED	840	2650 lm	24 W	20,0	on/off	A++
311916.004.1.730	D 457, H 50	LED	840	2650 lm	24 W	20,0	smart+free	A++
311916.004.1.76	D 457, H 50	LED	840	2650 lm	24 W	20,0	DALI	A++
Tunable White - 2700 K to 6500 K								
311916.004.2.730	D 457, H 50	LED	827-865	2400 lm	24 W	19,5	smart+free	A++
Diameter D 675 mm								
311849.000	D 675, H 50	LED	830	3250 lm	31 W	17,9	on/off	A++
311849.000.730	D 675, H 50	LED	830	3250 lm	31 W	17,9	smart+free	A++
311849.000.76	D 675, H 50	LED	830	3250 lm	31 W	17,9	DALI	A++
311849.000.1	D 675, H 50	LED	840	3450 lm	31 W	18,1	on/off	A++
311849.000.1.730	D 675, H 50	LED	840	3450 lm	31 W	18,1	smart+free	A++
311849.000.1.76	D 675, H 50	LED	840	3450 lm	31 W	18,1	DALI	A++
Tunable White - 2700 K to 6500 K								
311849.000.2.730	D 675, H 50	LED	827-865	3700 lm	34 W	17,9	smart+free	A++

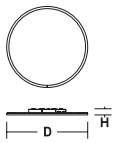
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Sidelite Round FerroMurano

Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Cover: sheet steel, powder-coated. Anodised aluminium frame. Diffuser: handcrafted, coloured glass FerroMurano. Integral driver. Lateral light emission thanks to LED.

Available colour: aluminium, anodised





Applies to versions with .76

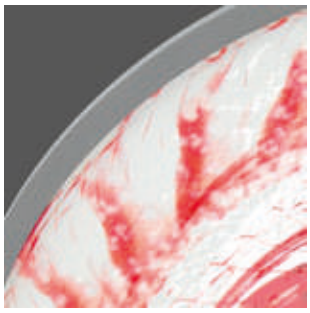
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Glass FerroMurano red							
Diameter D 457 mm							
311912.004	D 457, H 50	LED	830	1850 lm	38 W	on/off	A++
311912.004.76	D 457, H 50	LED	830	1850 lm	38 W	DALI	A++
311912.004.1	D 457, H 50	LED	840	2050 lm	38 W	on/off	A++
311912.004.1.76	D 457, H 50	LED	840	2050 lm	38 W	DALI	A++
Diameter D 675 mm							
311845.000	D 675, H 50	LED	830	3450 lm	54 W	on/off	A++
311845.000.76	D 675, H 50	LED	830	3450 lm	54 W	DALI	A++
311845.000.1	D 675, H 50	LED	840	3750 lm	54 W	on/off	A++
311845.000.1.76	D 675, H 50	LED	840	3750 lm	54 W	DALI	A++
Glass FerroMurano blue							
Diameter D 457 mm							
311913.004	D 457, H 50	LED	830	2400 lm	38 W	on/off	A++
311913.004.76	D 457, H 50	LED	830	2400 lm	38 W	DALI	A++
311913.004.1	D 457, H 50	LED	840	2650 lm	38 W	on/off	A++
311913.004.1.76	D 457, H 50	LED	840	2650 lm	38 W	DALI	A++
Diameter D 675 mm							
311846.000	D 675, H 50	LED	830	4300 lm	54 W	on/off	A++
311846.000.76	D 675, H 50	LED	830	4300 lm	54 W	DALI	A++
311846.000.1	D 675, H 50	LED	840	4600 lm	54 W	on/off	A++
311846.000.1.76	D 675, H 50	LED	840	4600 lm	54 W	DALI	A++
Glass FerroMurano white							
Diameter D 457 mm							
311915.004	D 457, H 50	LED	830	3000 lm	38 W	on/off	A++
311915.004.76	D 457, H 50	LED	830	3000 lm	38 W	DALI	A++
311915.004.1	D 457, H 50	LED	840	3200 lm	38 W	on/off	A++
311915.004.1.76	D 457, H 50	LED	840	3200 lm	38 W	DALI	A++
Diameter D 675 mm							
311848.000	D 675, H 50	LED	830	4900 lm	54 W	on/off	A++
311848.000.76	D 675, H 50	LED	830	4900 lm	54 W	DALI	A++
311848.000.1	D 675, H 50	LED	840	5400 lm	54 W	on/off	A++
311848.000.1.76	D 675, H 50	LED	840	5400 lm	54 W	DALI	A++

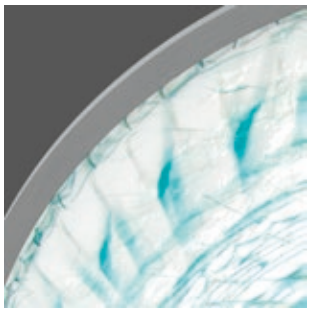
The luminaire flux and UGR of each luminaire varies due to the difference in colour intensity and structure of the glasses.

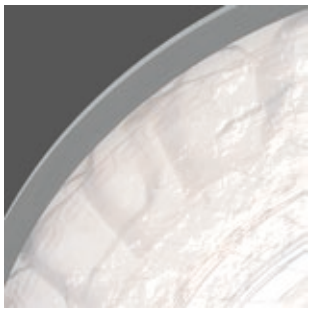
Comparison
LED vs. conventional lamps

LED 38 W ≈
4 x 18 W T26 (104 W CB)
1 x 60 W T16-R (65 W EB)

LED 54 W ≈
3 x 28 W T16 (92 W EB)


Glass FerroMurano red


Glass FerroMurano blue


Glass FerroMurano white



Further information on coloured FerroMurano glass as well as an overview of additional FerroMurano RZB luminaires can be found on page 142 of this catalogue or at www.rzb-lighting.com

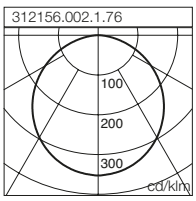


SIDELITE® ECO

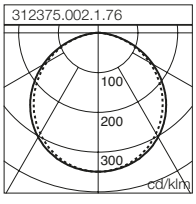
Ceiling and wall luminaires, Ceiling luminaires

- Extremely cost efficient luminaires with advanced LED technology, available as ceiling, wall, recessed or suspended lighting solutions for interiors
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Suitable for use in the food and drink industry
- **Lightguide** and **diffuser** made of **non-yellowing PMMA** with microprismatic
- RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution
- LED rated life 50,000 h (L70, B10)
- Luminous efficiency of up to 130 lm/W
- Flicker < 5%
- External driver with simple plug-in locking system and extended converter connecting cable to the luminaire

312156.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8



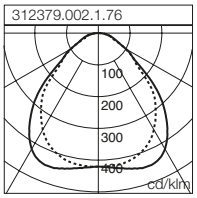
312375.002.1.76		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	12



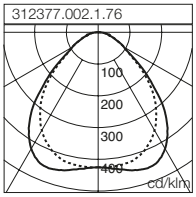


Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Suspended modular luminaires
Indoor lighting | Free-standing luminaires
Emergency lighting | Escape route illumination

312379.002.1.76		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



312377.002.1.76		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



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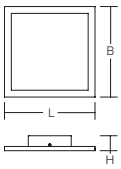
The application image shows:
Sidelite ECO



Comparison
LED vs. conventional lamps

LED 18 W ≈
2 x 26 W TC-D (68 W CB)

Ceiling and wall luminaires | Sidelite ECO



Type of Protection: **IP 40**
Protection Class: II

Luminaire frame: aluminium, powder coated. Surface mounted housing: sheet steel, powder coated. Lightguide and diffuser made of non-yellowing PMMA. Diffuser: plastic (PMMA), opal. Lateral light emission thanks to LED. Integral driver.

Available colour: 2 = white

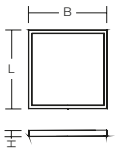
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312375.002	L 295, B 295, H 46	LED	830	1900 lm	18 W	24,2	on/off	A++
312375.002.76	L 295, B 295, H 46	LED	830	1900 lm	18 W	24,2	DALI	A++
312375.002.1	L 295, B 295, H 46	LED	840	2100 lm	18 W	24,5	on/off	A++
312375.002.1.76	L 295, B 295, H 46	LED	840	2100 lm	18 W	24,5	DALI	A++



Comparison
LED vs. conventional lamps

LED 29 W ≈
3 x 26 W TC-D (102 W CB)

Ceiling luminaires | Sidelite ECO



Type of Protection: **IP 40**
Protection Class: II

Luminaire frame: aluminium, powder coated. Mounting frame powder coated metal. Lightguide and diffuser made of non-yellowing PMMA. Diffuser made of non-yellowing plastic, opal or microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Integral driver.

Available colour: 2 = white

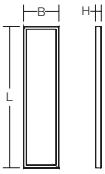
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312376.002	L 602, B 602, H 47	LED	830	3200 lm	29 W	20,8	on/off	A++
312376.002.76	L 602, B 602, H 47	LED	830	3200 lm	29 W	20,8	DALI	A++
312376.002.1	L 602, B 602, H 47	LED	840	3700 lm	29 W	21,3	on/off	A++
312376.002.1.76	L 602, B 602, H 47	LED	840	3700 lm	29 W	21,3	DALI	A++
Diffuser plastic (PMMA) micro prismatic								
312377.002	L 602, B 602, H 47	LED	830	3350 lm	29 W	17,6	on/off	A++
312377.002.76	L 602, B 602, H 47	LED	830	3350 lm	29 W	17,6	DALI	A++
312377.002.1	L 602, B 602, H 47	LED	840	3700 lm	29 W	17,9	on/off	A++
312377.002.1.76	L 602, B 602, H 47	LED	840	3700 lm	29 W	17,9	DALI	A++



Comparison
LED vs. conventional lamps

LED 29 W ≈
2 x 28 W T16 (61 W EB)

Ceiling luminaires | Sidelite ECO



Type of Protection: **IP 40**
Protection Class: II

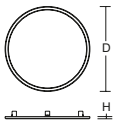
Luminaire frame: aluminium, powder coated. Mounting frame powder coated metal. Lightguide and diffuser made of non-yellowing PMMA. Diffuser made of non-yellowing plastic, opal or microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Integral driver.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312378.002	L 1202, B 302, H 47	LED	830	3300 lm	29 W	21,1	on/off	A++
312378.002.76	L 1202, B 302, H 47	LED	830	3300 lm	29 W	21,1	DALI	A++
312378.002.1	L 1202, B 302, H 47	LED	840	3550 lm	29 W	21,4	on/off	A++
312378.002.1.76	L 1202, B 302, H 47	LED	840	3550 lm	29 W	21,4	DALI	A++
Diffuser plastic (PMMA) micro prismatic								
312379.002	L 1202, B 302, H 47	LED	830	3200 lm	29 W	17,8	on/off	A++
312379.002.76	L 1202, B 302, H 47	LED	830	3200 lm	29 W	17,8	DALI	A++
312379.002.1	L 1202, B 302, H 47	LED	840	3450 lm	29 W	18,1	on/off	A++
312379.002.1.76	L 1202, B 302, H 47	LED	840	3450 lm	29 W	18,1	DALI	A++

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Sidelite ECO





Type of Protection: **IP 40**
Protection Class: II

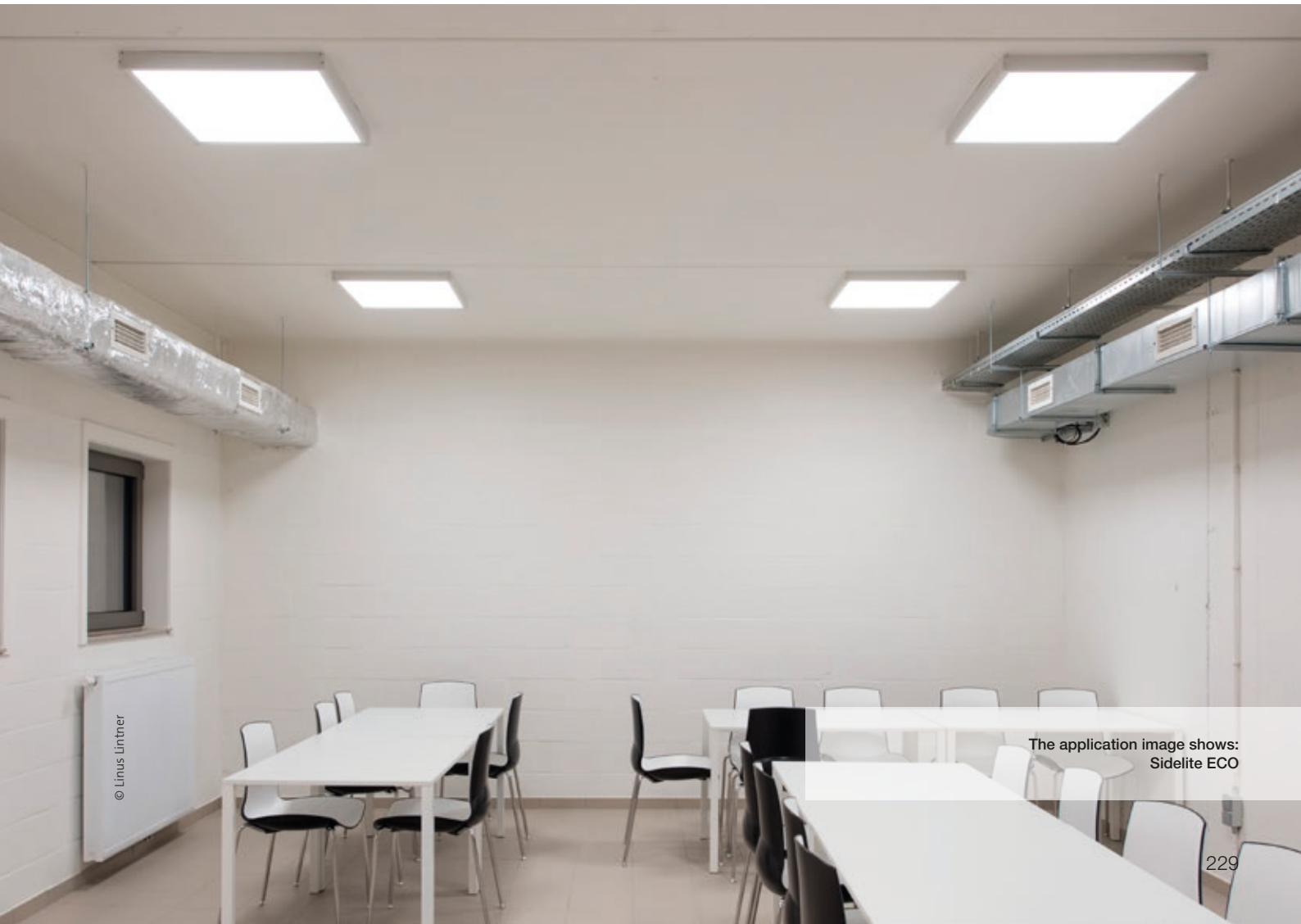
Frame: aluminium, powder-coated. Mounting cylinder powder coated metal. Diffuser: plastic (PMMA), opal. Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver (Height 32 mm).

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312156.002	D 580, H 52	LED	830	3050 lm	39 W	21,1	on/off	A+
312156.002.76	D 580, H 52	LED	830	3050 lm	39 W	21,1	DALI	A+
312156.002.1	D 580, H 52	LED	840	3100 lm	39 W	21,2	on/off	A+
312156.002.1.76	D 580, H 52	LED	840	3100 lm	39 W	21,2	DALI	A+

Comparison
LED vs. conventional lamps

LED 39 W ≈
1 x 60 W T16-R (65 W EB)
2 x 32 W T16-R (69 W EB)



© Linus Lintner

The application image shows:
Sidelite ECO

HEMIS®

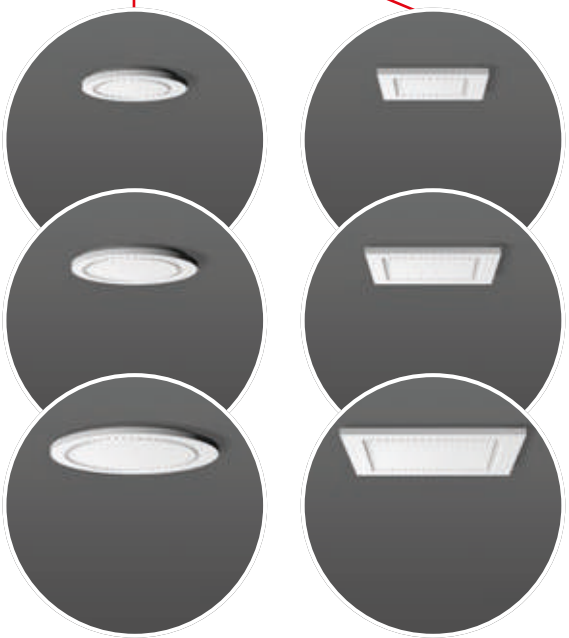
Everything at a glance

Mounting without use of tools,
with bayonet fitting



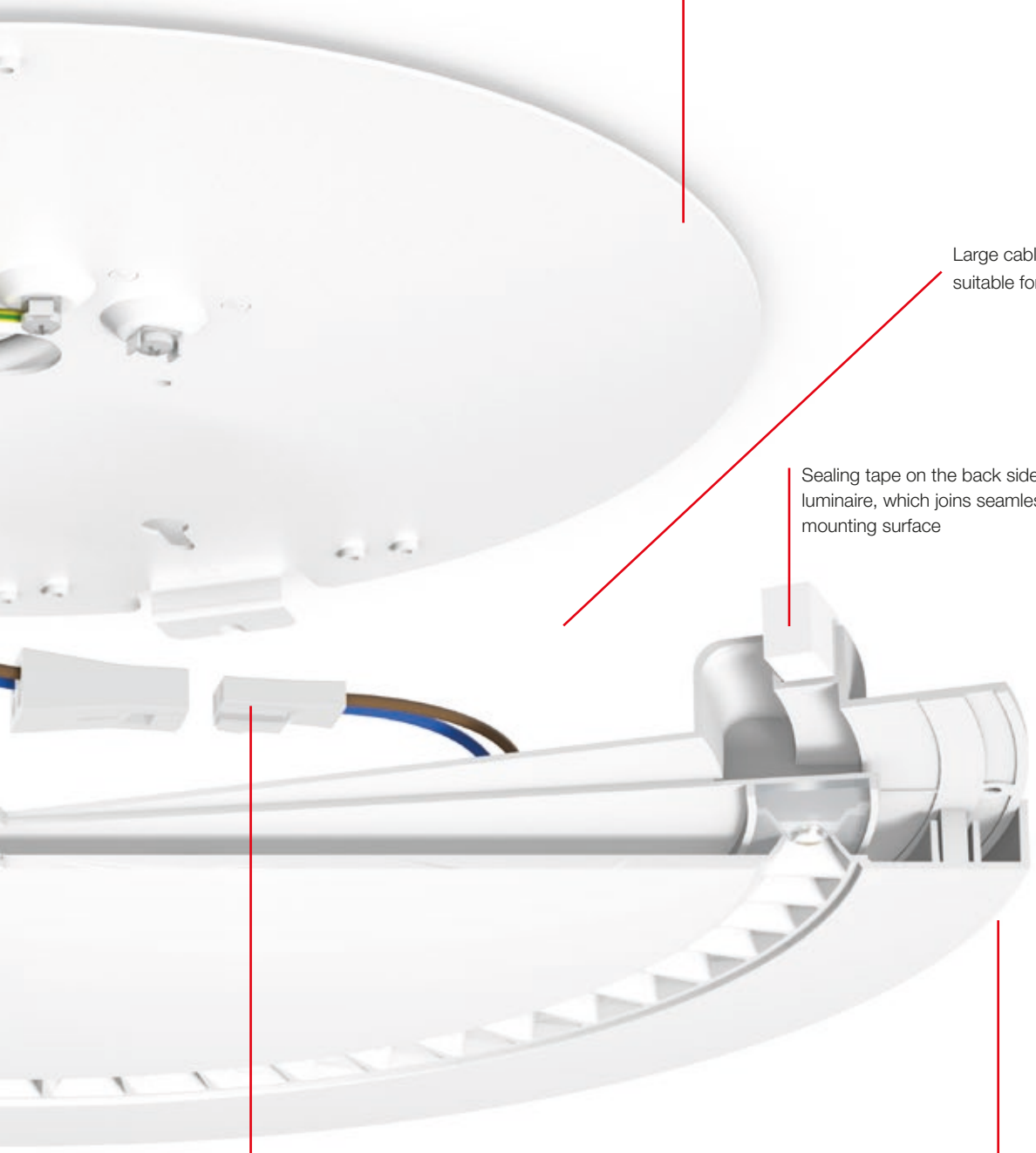
Glare-free and homogeneous light
distribution thanks to the optical system

3 sizes,
2 shaps





Plastic housing (PC)



Base: metal, powder-coated

Large cable entry space, suitable for through-wiring

Sealing tape on the back side of the luminaire, which joins seamlessly to the mounting surface

Compact slim design, total height less than 33 mm

PLUG&PLAY

Simple startup with Plug & Play plug connection

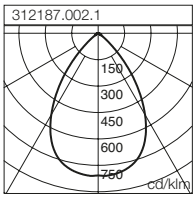


HEMIS®

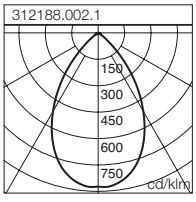
Ceiling luminaires

- Glare-free LED ceiling luminaire with optical lens system
- Compact slim design, total height less than 33 mm
- Simple startup with Plug & Play plug connection
- Big terminal block; ideal for through-wiring
- Sealing strip on the back of the luminaire connects seamlessly with the ceiling
- Thanks to UGR < 22 ideal for corridors, stairways, shops, schools, meeting rooms, rest areas
- Up to 70% energy savings compared to conventional configurations
- Efficiency up to 125 lm/W
- LED rated life 40,000 h (L80, B10)
- Colour rendering index Ra > 80

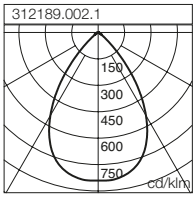
312187.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



312188.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	9

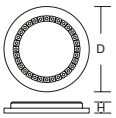


312189.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Hemis Round





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK06

Base: metal, powder-coated, with bayonet fixing. Housing: plastic (polycarbonate).
Diffuser with optic lenses. Housing and diffuser are screwed together.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 11**
Diameter D 250 mm								
312184.002	D 250, H 33	LED	830	1250 lm	12 W	18,9	on/off	A++
312184.002.1	D 250, H 33	LED	840	1450 lm	12 W	19,3	on/off	A++
Diameter D 300 mm								
312185.002	D 300, H 33	LED	830	1600 lm	15 W	20,1	on/off	A++
312185.002.1	D 300, H 33	LED	840	1800 lm	15 W	20,4	on/off	A++
Diameter D 400 mm								
312186.002	D 400, H 33	LED	830	2550 lm	25 W	19,3	on/off	A++
312186.002.1	D 400, H 33	LED	840	2950 lm	25 W	20,0	on/off	A++

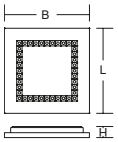
Comparison
LED vs. conventional lamps

LED 12 W ≈
2 x 18 W TC-D (52 W CB)

LED 15 W ≈
2 x 26 W TC-D (68 W CB)

LED 25 W ≈
2 x 32 W TC-TEL (69 W EB)

Ceiling luminaires | Hemis Square





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK06

Base: metal, powder-coated, with bayonet fixing. Housing: plastic (polycarbonate).
Diffuser with optic lenses. Housing and diffuser are screwed together.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 11**
Length L 250 x Width B 250 mm								
312187.002	L 250, B 250, H 33	LED	830	1400 lm	12 W	19,0	on/off	A++
312187.002.1	L 250, B 250, H 33	LED	840	1600 lm	12 W	19,8	on/off	A++
Length L 300 x Width B 300 mm								
312188.002	L 300, B 300, H 33	LED	830	1700 lm	15 W	19,9	on/off	A++
312188.002.1	L 300, B 300, H 33	LED	840	1900 lm	15 W	20,0	on/off	A++
Length L 400 x Width B 400 mm								
312189.002	L 400, B 400, H 33	LED	830	2700 lm	25 W	18,9	on/off	A++
312189.002.1	L 400, B 400, H 33	LED	840	3050 lm	25 W	19,7	on/off	A++

Comparison
LED vs. conventional lamps

LED 12 W ≈
2 x 18 W TC-D (52 W CB)

LED 15 W ≈
2 x 26 W TC-D (68 W CB)

LED 25 W ≈
2 x 32 W TC-TEL (69 W EB)

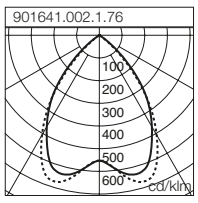


SONIS EVO

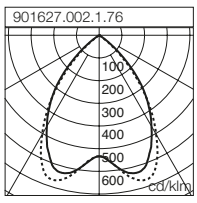
Ceiling luminaires

- Highly efficient LED luminaire
- Alea optical system for glare-free light at the workstation (UGR ≤ 19)
- Narrow beam, brilliant luminous effect
- LED rated life 50,000 h (L80, B10)
- Luminous efficiency up to 125 lm/W

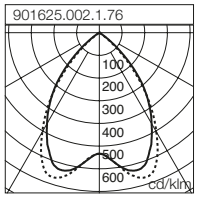
901641.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	10



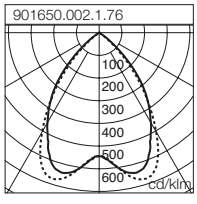
901627.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



901625.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6

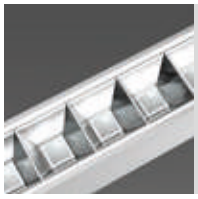


901650.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	2	3





Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Suspended modular luminaires
Emergency lighting | Escape route illumination



ALEA OPTICAL SYSTEM

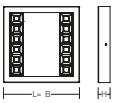
A brilliant example of the power of innovation:

The Alea optical system in the Sonis EVO combines square reflector elements with a linear structure.

The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Sonis EVO





Type of Protection: IP 20
Protection Class: I, II
Impact Protection: IK03

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Integral driver.

Available colour: 2 = white

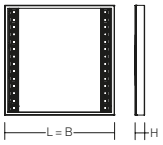
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
901640.002.1	L 300, B 300, H 47	LED	840	1500 lm	12 W	18,5	on/off	A+
901640.002.1.76	L 300, B 300, H 47	LED	840	1500 lm	12 W	18,5	DALI	A+
901641.002.1	L 300, B 300, H 47	LED	840	2000 lm	16 W	19,5	on/off	A+
901641.002.1.76	L 300, B 300, H 47	LED	840	2000 lm	16 W	19,5	DALI	A+

Comparison
LED vs. conventional lamps

LED 12 W ≈
2 x 18 W TC-D (52 W CB)

LED 16 W ≈
2 x 26 W TC-D (68 W CB)

Ceiling luminaires | Sonis EVO





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Integral driver.

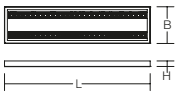
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
901625.002.1	L 602, B 602, H 47	LED	840	3450 lm	29 W	18,5	on/off	A+
901625.002.1.76	L 602, B 602, H 47	LED	840	3450 lm	29 W	18,5	DALI	A+

Comparison
LED vs. conventional lamps

LED 29 W ≈
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Ceiling luminaires | Sonis EVO





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Integral driver.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
single row Alea optical system								
901627.002.1	L 1202, B 302, H 47	LED	840	3450 lm	29 W	18,5	on/off	A+
901627.002.1.76	L 1202, B 302, H 47	LED	840	3450 lm	29 W	18,5	DALI	A+
double row Alea optical system								
901650.002.1	L 1202, B 302, H 47	LED	840	6500 lm	56 W	18,6	on/off	A+
901650.002.1.76	L 1202, B 302, H 47	LED	840	6500 lm	56 W	18,6	DALI	A+

Comparison
LED vs. conventional lamps

LED 29 W ≈
1 x 58 W T26 (67 W CB)

LED 56 W ≈
2 x 58 W T26 (134 W CB)



double row Alea optical system



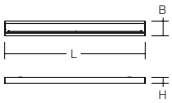
DALI



Comparison
LED vs. conventional lamps

LED 44 W ≈
1 x 80 W T16 (86 W EB)

Ceiling luminaires | Sonis A Asym



Type of Protection: IP 20
Protection Class: I

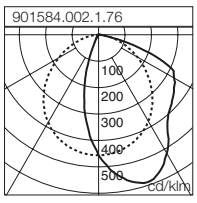
Housing: powder-coated metal. Parabolic reflector for asymmetrical light distribution.
Reflector material: **MIRO®** Highly polished aluminium.

Ideal for school blackboards illumination.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling luminaires								**Price Category 21**
901584.002	L 1484, B 155, H 62	LED	830	5500 lm	44 W	26,3	on/off	A++
901584.002.76	L 1484, B 155, H 62	LED	830	5500 lm	44 W	26,3	DALI	A++
901584.002.1	L 1484, B 155, H 62	LED	840	5750 lm	44 W	26,5	on/off	A++
901584.002.1.76	L 1484, B 155, H 62	LED	840	5750 lm	44 W	26,5	DALI	A++

901584.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© David Franck

The application image shows:
Sonis A Asym



The application image shows:
TWINDOT S

© shutterstock


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247


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265

TWIN**DOT**
240-247

Triona
248-253

Econe
254-255

Sidelite
256-259

Sidelite ECO
260-263

Sonis EVO
264-265

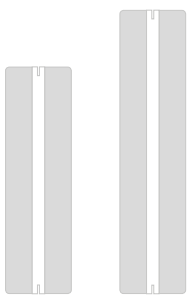
TWIN**DOT**® Systems

TWIN**DOT** K

The talented LED system
for individual luminaires,
sensor technology and
continuous line luminaires



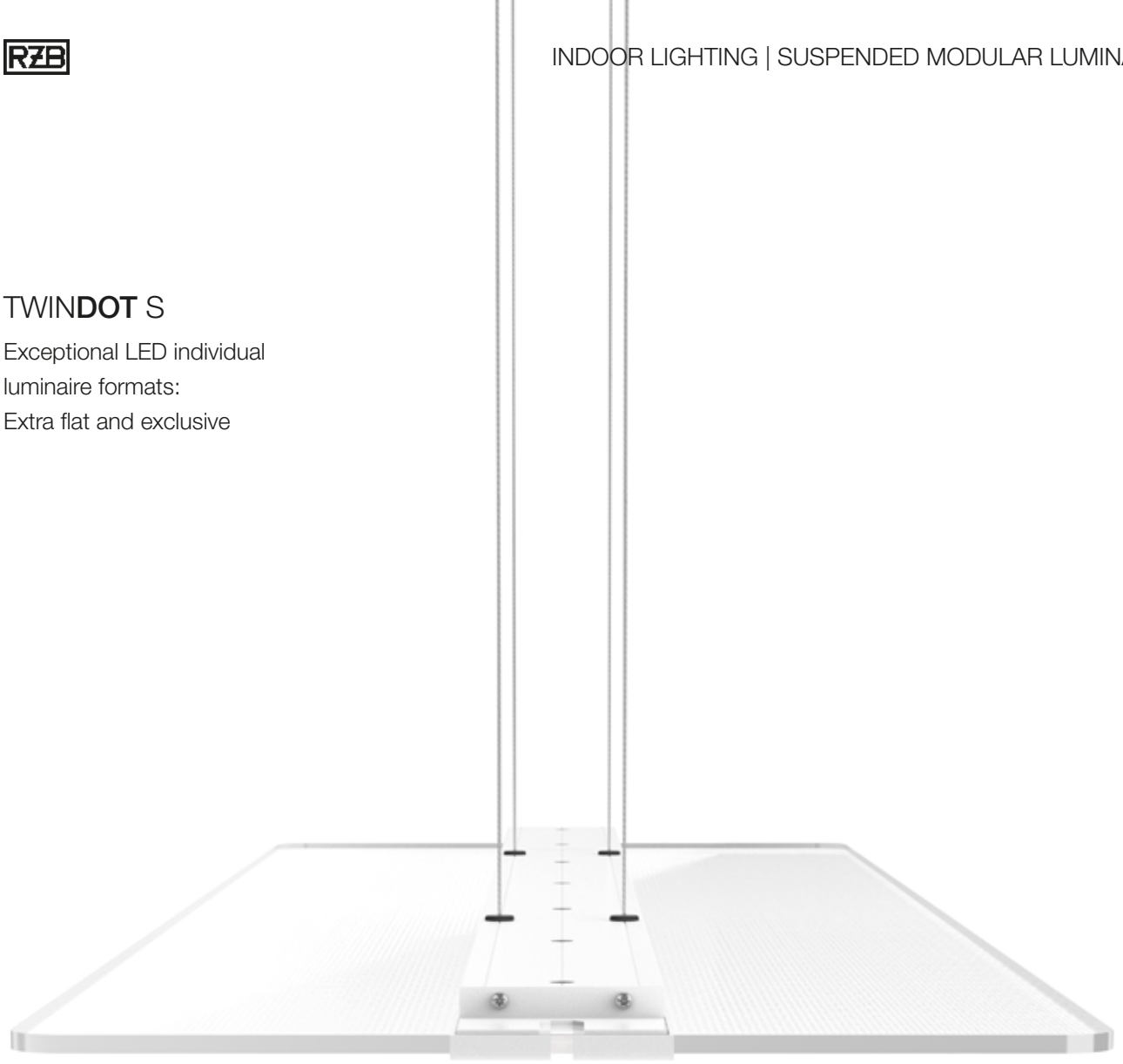
- 2 point steel cable suspension with transparent power cable,
  height adjustable steplessly between 500 and 1,200 mm. The horizontal is as well steplessly adjustable.
- Available in two different lengths – continuous line luminaires can be configured
- Compact, fitted drivers facilitate a wide range of control, sensor and continuous line options
- smart+free Bluetooth® control or daylight and presence sensor optional
- Tunable White option available
- Featuring sophisticated TWIN**DOT** Light Technology



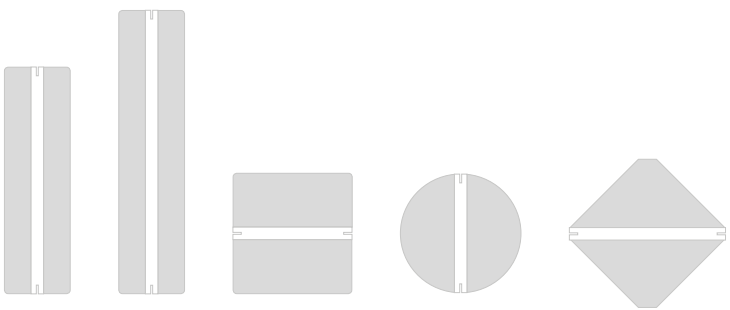
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

TWIN**DOT** S

Exceptional LED individual luminaire formats:
Extra flat and exclusive



- 4 point steel cable suspension. Power supply through suspension cable, height adjustable steplessly between 500 and 1,200 mm.
- Choice of four impressive single luminaire formats
- Super-flat, minimalistic appearance without any unwelcome cables or drivers
- smart+free Bluetooth® control as an option
- Tunable White option available for TWIN**DOT** S Square/Round/Diamond
- Featuring sophisticated TWIN**DOT** Light Technology



TWIN**DOT**®

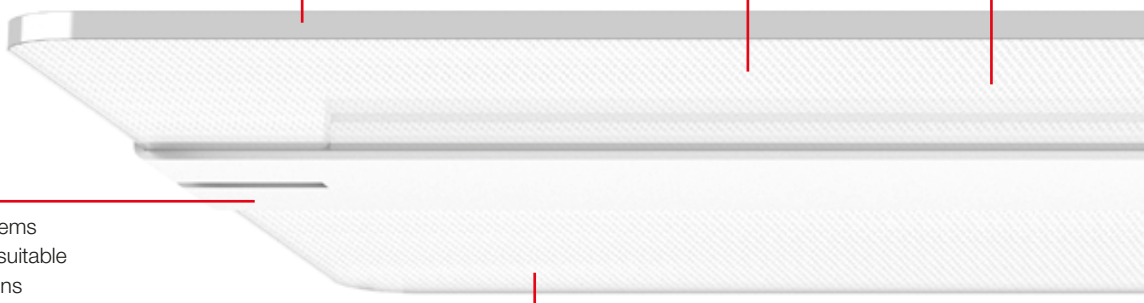
Everything at a glance

Premium-quality LEDs offer exceptional light quality in light colours 830 or 840, or from 827 to 865 in the Tunable White option, which can be controlled via DALI or Bluetooth® (smart+free)

Light distribution is up to 55 % direct and up to 45 % indirect

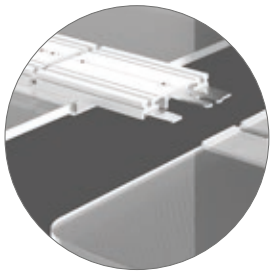
Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1

A highly polished reflection trim finishes off the cover with TWIN**DOT** prismatic



The TWIN**DOT** K pendant luminaire systems feature a modular design, making them suitable for straightforward sandwich constructions for an extensive product family. This universal design concept offers options for mechanical and electrical connection to multiple luminaires and continuous line luminaires.

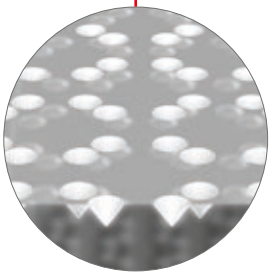
The accessory set includes all the required components. This connection is entirely reversible in the event of changing requirements.



TWIN**DOT** LIGHT TECHNOLOGY

Transparent **light guide** measuring just 6 mm thick and made of **UV-resistant** acrylic glass **(PMMA)** with TWIN**DOT** microprism structure.

The TWIN**DOT** structure consists of microfine twin prisms, which have been applied to the top surface of an acrylic cover by means of a hot-embossing process in a defined angle matrix.





TWIN**DOT** K

2 point steel cable suspension, height adjustable steplessly. Transparent power cable.

TWIN**DOT** S

2 point steel cable suspension, height adjustable steplessly. Transparent power cable.



CLO Constant Light Output

smart+ free

Light Control

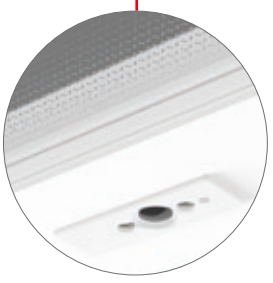
State of the art drivers regulate the LEDs in the TWIN**DOT** luminaire systems throughout their entire lifetime and therefore prevent the usual reduction in luminous flux. This process known as CLO (Constant Light Output) allows the optimised control of efficiency right from the start.

In addition to the basic on/off switch, the option is also available to incorporate controls based on DALI or Bluetooth® (smart+free) technology or even to integrate daylight and presence sensors.

Middle bar made of aluminium, powder-coated

TWIN**DOT** K

Integrated sensor element for the automatic adjustment of brightness depending on the amount of daylight and presence



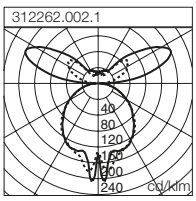


TWIN**DOT**®

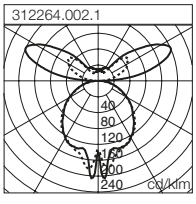
Pendant luminaires

- Made in Germany
- Brand new, perfectly glare-free TWIN**DOT** prismatic
- Even and wide indirect and direct light distribution
- Pleasantly gentle light with soft shadows
- smart+free Bluetooth® control and daylight and presence sensor optional
- Tunable white version available
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Continuous line luminaires can be configured
- Luminous efficiency up to 130 lm/W
- Light output 6,500 lm for 1,200 mm format and 8,100 lm for 1,500 mm format - direct/ indirect light emission 55/45
- LED service life > 60,000 hours L100 controlled CLO
  For a constant light output throughout the entire lifetime of the LEDs
- Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

312262.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5

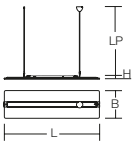


312264.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	2	4



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | TWINDOT K





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated with integrated converter. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN-12464-1). 2 point steel cable suspension, height adjustable steplessly with transparent power cable.

Expandable to continuous line luminaire with connection kit (on/off or DALI models).

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Length L 1200 mm								
312262.002.1	L 1200, B 350, H 45	LED	840	6500 lm	54 W	16,7	on/off	A++
312262.002.1.19	L 1200, B 350, H 45	LED	840	6500 lm	54 W	16,7	Sensor	A++
312262.002.1.730	L 1200, B 350, H 45	LED	840	6500 lm	54 W	16,7	smart+free	A++
312262.002.1.76	L 1200, B 350, H 45	LED	840	6500 lm	54 W	16,7	DALI	A++
312262.002	L 1200, B 350, H 45	LED	830	6500 lm	57 W	16,7	on/off	A++
312262.002.19	L 1200, B 350, H 45	LED	830	6500 lm	57 W	16,7	Sensor	A++
312262.002.730	L 1200, B 350, H 45	LED	830	6500 lm	57 W	16,7	smart+free	A++
312262.002.76	L 1200, B 350, H 45	LED	830	6500 lm	57 W	16,7	DALI	A++
Tunable White - 2700 K to 6500 K								
312262.002.2.730	L 1200, B 350, H 45	LED	827-865	6500 lm	51 W	16,7	smart+free	A++
312262.002.2.76	L 1200, B 350, H 45	LED	827-865	6500 lm	51 W	16,7	DALI	A++
Length L 1500 mm								
312264.002.1	L 1500, B 350, H 45	LED	840	8100 lm	62 W	16,8	on/off	A++
312264.002.1.19	L 1500, B 350, H 45	LED	840	8100 lm	62 W	16,8	Sensor	A++
312264.002.1.730	L 1500, B 350, H 45	LED	840	8100 lm	62 W	16,8	smart+free	A++
312264.002.1.76	L 1500, B 350, H 45	LED	840	8100 lm	62 W	16,8	DALI	A++
312264.002	L 1500, B 350, H 45	LED	830	8100 lm	65 W	16,8	on/off	A++
312264.002.19	L 1500, B 350, H 45	LED	830	8100 lm	65 W	16,8	Sensor	A++
312264.002.730	L 1500, B 350, H 45	LED	830	8100 lm	65 W	16,8	smart+free	A++
312264.002.76	L 1500, B 350, H 45	LED	830	8100 lm	65 W	16,8	DALI	A++
Tunable White - 2700 K to 6500 K								
312264.002.2.730	L 1500, B 350, H 45	LED	827-865	8100 lm	63 W	16,8	smart+free	A++
312264.002.2.76	L 1500, B 350, H 45	LED	827-865	8100 lm	63 W	16,8	DALI	A++

Accessories | Decorative pendant set

Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.

Decorative pendant set			Price Category 11
982565.002 *	L 146, B 60, H 13, HE 80	Mounting kit for plasterboard ceilings	
982564.009	L 180, B 148, H 124, HE 130	Mounting set for concrete ceilings	
982563.009	L 180, B 180, H 124, HE 130	Mounting set for plastered concrete ceilings	

* not suitable for DALI version



For further information please see page 140

Accessories | Connection kit for multiple luminaires and light channel

The connection kit contains all necessary components for the mechanical and electrical connection of two TWIN**DOT** K luminaires. Not suitable for luminaires with sensors or smart+free controls.

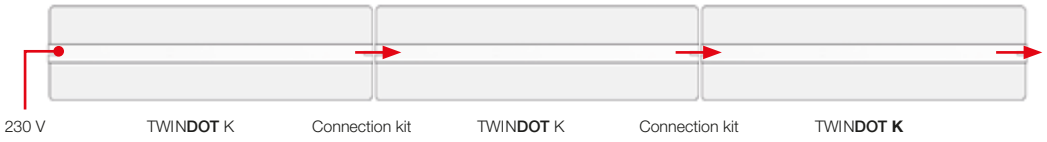
Connection kit for multiple luminaires and light channel			Price Category 21
982449.002	L 567, B 66, H 24	Connection kit 3-pin L 1200 mm (on/off variant)	
982449.012	L 567, B 66, H 24	Connection kit 5-pin L 1200 mm (DALI variant)	
982450.002	L 847, B 66, H 24	Connection kit 3-pin L 1500 mm (on/off variant)	
982450.012	L 847, B 66, H 24	Connection kit 5-pin L 1500 mm (DALI variant)	



TWINDOT K continuous line comprising up to ten connected luminaires.

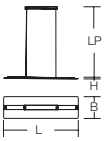
All TWINDOT K single luminaires are suitable for use as on/off or DALI models.
The connections are entirely reversible.







Pendant luminaires | TWINDOT S



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN-12464-1). Converter integrated in the canopy (powder coated white). Power supply through suspension cable. 4-point steel cable suspension, steplessly adjustable.

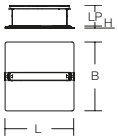
Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Length L 1200 mm								
312263.002.1	L 1200, B 350, H 20	LED	840	6500 lm	54 W	16,7	on/off	A++
312263.002.1.730	L 1200, B 350, H 20	LED	840	6500 lm	54 W	16,7	smart+free	A++
312263.002.1.76	L 1200, B 350, H 20	LED	840	6500 lm	54 W	16,7	DALI	A++
312263.002	L 1200, B 350, H 20	LED	830	6500 lm	57 W	16,7	on/off	A++
312263.002.730	L 1200, B 350, H 20	LED	830	6500 lm	57 W	16,7	smart+free	A++
312263.002.76	L 1200, B 350, H 20	LED	830	6500 lm	57 W	16,7	DALI	A++
Length L 1500 mm								
312265.002.1	L 1500, B 350, H 20	LED	840	8100 lm	62 W	16,8	on/off	A++
312265.002.1.730	L 1500, B 350, H 20	LED	840	8100 lm	62 W	16,8	smart+free	A++
312265.002.1.76	L 1500, B 350, H 20	LED	840	8100 lm	62 W	16,8	DALI	A++
312265.002	L 1500, B 350, H 20	LED	830	8100 lm	65 W	16,8	on/off	A++
312265.002.730	L 1500, B 350, H 20	LED	830	8100 lm	65 W	16,8	smart+free	A++
312265.002.76	L 1500, B 350, H 20	LED	830	8100 lm	65 W	16,8	DALI	A++



Pendant luminaires | TWINDOT S Square



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN-12464-1). Converter integrated in the canopy (powder coated white). Power supply through suspension cable. 4-point steel cable suspension, steplessly adjustable.

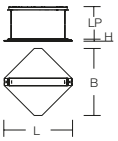
Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
312352.002.1	L 645, B 637, H 20	LED	840	4800 lm	41 W	16,4	on/off	A++
312352.002.1.730	L 645, B 637, H 20	LED	840	4800 lm	41 W	16,4	smart+free	A++
312352.002.1.76	L 645, B 637, H 20	LED	840	4800 lm	41 W	16,4	DALI	A++
312352.002	L 645, B 637, H 20	LED	830	4800 lm	43 W	16,4	on/off	A++
312352.002.730	L 645, B 637, H 20	LED	830	4800 lm	43 W	16,4	smart+free	A++
312352.002.76	L 645, B 637, H 20	LED	830	4800 lm	43 W	16,4	DALI	A++
Tunable White - 2700 K to 6500 K								
312352.002.2.730	L 645, B 637, H 20	LED	827-865	3250 lm	27 W	14,9	smart+free	A++
312352.002.2.76	L 645, B 637, H 20	LED	827-865	3250 lm	27 W	14,9	DALI	A++

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | TWINDOT S Diamond





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

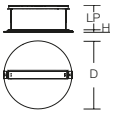
Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN-12464-1). Converter integrated in the canopy (powder coated white). Power supply through suspension cable. 4-point steel cable suspension, steplessly adjustable.

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
312354.002.1	L 645, B 700, H 20	LED	840	3500 lm	37 W	16,7	on/off	A++
312354.002.1.730	L 645, B 700, H 20	LED	840	3500 lm	37 W	16,7	smart+free	A++
312354.002.1.76	L 645, B 700, H 20	LED	840	3500 lm	37 W	16,7	DALI	A++
312354.002	L 645, B 700, H 20	LED	830	3500 lm	39 W	16,7	on/off	A++
312354.002.730	L 645, B 700, H 20	LED	830	3500 lm	39 W	16,7	smart+free	A++
312354.002.76	L 645, B 700, H 20	LED	830	3500 lm	39 W	16,7	DALI	A++
Tunable White - 2700 K to 6500 K								
312354.002.2.730	L 645, B 700, H 20	LED	827-865	3000 lm	27 W	16,1	smart+free	A++
312354.002.2.76	L 645, B 700, H 20	LED	827-865	3000 lm	27 W	16,1	DALI	A++

Pendant luminaires | TWINDOT S Round





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Extremely flat and frameless appearance. Middle bar made of aluminium extrusion profile, powder-coated. Transparent light guide made of UV-resistant acrylic glass (PMMA). TWIN**DOT** technology light control, light emission direct 55% / indirect 45%. UGR ≤ 19 (screen-compliant according to EN-12464-1). Converter integrated in the canopy (powder coated white). Power supply through suspension cable. 4-point steel cable suspension, steplessly adjustable.

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
312353.002.1	D 645, H 20	LED	840	4500 lm	39 W	16,5	on/off	A++
312353.002.1.730	D 645, H 20	LED	840	4500 lm	39 W	16,5	smart+free	A++
312353.002.1.76	D 645, H 20	LED	840	4500 lm	39 W	16,5	DALI	A++
312353.002	D 645, H 20	LED	830	4500 lm	41 W	16,5	on/off	A++
312353.002.730	D 645, H 20	LED	830	4500 lm	41 W	16,5	smart+free	A++
312353.002.76	D 645, H 20	LED	830	4500 lm	41 W	16,5	DALI	A++
Tunable White - 2700 K to 6500 K								
312353.002.2.730	D 642, L 645, H 20	LED	827-865	3150 lm	27 W	15,5	smart+free	A++
312353.002.2.76	D 642, L 645, H 20	LED	827-865	3150 lm	27 W	15,5	DALI	A++

TRIONA®

Everything at a glance

PLUG&PLAY

3 point steel cable suspension,
height adjustable steplessly.
transparent power cable.

Easy installation:
canopy with magnetic attachment

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

smart+ free



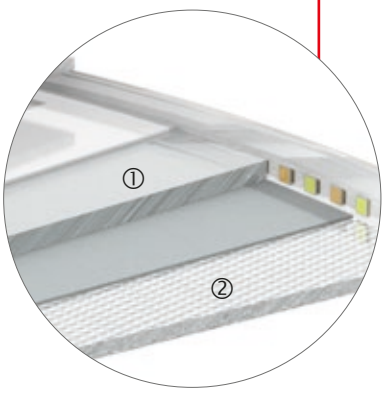
3 different colours are available for the very flat and seamless extruded aluminium profile

Tunable White:HCL

Tunable white versions, dynamically adjustable from 2700 K to 6500 K

Ideal for use as part of a
Human Centric Lighting concept

RZB SIDELITE® technology:
lateral light injection for
extremely homogeneous
light distribution and
rimless illumination

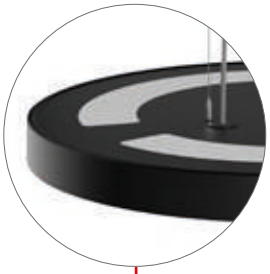


Direct light emission through diffuser

Diffusers ① and **lightguide** ②
made of **non-yellowing PMMA**

Diffuser plastic opal/microprismatic:
ideal for office areas (UGR ≤ 19) and
environments with computer screens
in accordance with EN 12464-1

UGR ≤ 19

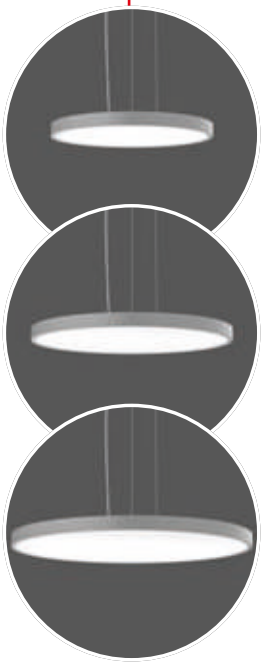


Indirect light emission through **non-yellowing** plastic **(PMMA) diffuser**, satin finish.



3 sizes

Ø 681 mm
Ø 845 mm
Ø 1009 mm



2 light emission characteristics

direct
direct/indirect



3 diffusers

Plastic (PMMA), opal
Plastic (PMMA) opal/microprismatic
Glass FerroMurano





TRIONA®

Pendant luminaires

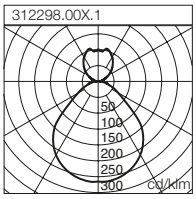
- Made in Germany
- Available in three diameters and colours
- This lighting fixture's prismatic plastic diffuser is incorporated into an aluminium profile just 50 mm thick
- Lateral light emission with LED
- Direct or direct/indirect light emission
- Tool-free mounting
- Very easy installation thanks to plug & play connection
- Various design possibilities of the distinctive large surface luminaire:
  - hand-crafted FerroMurano glass inserts
  - opal diffuser
  - opal/microprismatic diffuser



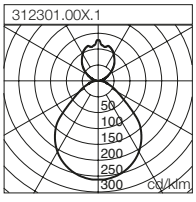

Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires

- **Lightguide** and plastic **diffuser** made of **non-yellowing PMMA**
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Luminous flux up to 12400 lm
- Tunable white versions, dynamically adjustable from 2700 K to 6500 K
- Ideal for use as part of a Human Centric Lighting concept
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

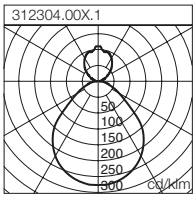
312298.00X.1		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



312301.00X.1		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	3

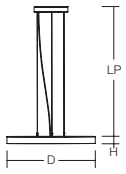


312304.00X.1		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
1	1	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	2



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Triona





Type of Protection: IP 20
Protection Class: I
Suspension Length: 500-1200 mm

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/micro-prismatic diffuser (screen-compliant in accordance with EN-12464-1). Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Canopy: aluminium, powder-coated. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires - Direct light emission								**Price Category 21**
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm								
312360.00X	D 681, H 52	LED	830	3550 lm	33 W	18,5	on/off	A++
312360.00X.730	D 681, H 52	LED	830	3550 lm	33 W	18,5	smart+free	A++
312360.00X.76	D 681, H 52	LED	830	3550 lm	33 W	18,5	DALI	A++
312360.00X.1	D 681, H 52	LED	840	3700 lm	33 W	18,6	on/off	A++
312360.00X.1.730	D 681, H 52	LED	840	3700 lm	33 W	18,6	smart+free	A++
312360.00X.1.76	D 681, H 52	LED	840	3700 lm	33 W	18,6	DALI	A++
Tunable White - 2700 K to 6500 K								
312360.00X.2.730	D 681, H 52	LED	827-865	3550 lm	40 W	18,0	smart+free	A++
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm								
312361.00X	D 845, H 52	LED	830	7600 lm	70 W	18,9	on/off	A++
312361.00X.730	D 845, H 52	LED	830	7600 lm	70 W	18,9	smart+free	A++
312361.00X.76	D 845, H 52	LED	830	7600 lm	70 W	18,9	DALI	A++
312361.00X.1	D 845, H 52	LED	840	7900 lm	70 W	19,0	on/off	A++
312361.00X.1.730	D 845, H 52	LED	840	7900 lm	70 W	19,0	smart+free	A++
312361.00X.1.76	D 845, H 52	LED	840	7900 lm	70 W	19,0	DALI	A++
Tunable White - 2700 K to 6500 K								
312361.00X.2.730	D 845, H 52	LED	827-865	5050 lm	49 W	18,0	smart+free	A++
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm								
312362.00X	D 1009, H 52	LED	830	8850 lm	89 W	18,6	on/off	A++
312362.00X.730	D 1009, H 52	LED	830	8850 lm	89 W	18,6	smart+free	A++
312362.00X.76	D 1009, H 52	LED	830	8850 lm	89 W	18,6	DALI	A++
312362.00X.1	D 1009, H 52	LED	840	9200 lm	89 W	18,8	on/off	A++
312362.00X.1.730	D 1009, H 52	LED	840	9200 lm	89 W	18,8	smart+free	A++
312362.00X.1.76	D 1009, H 52	LED	840	9200 lm	89 W	18,8	DALI	A++
Tunable White - 2700 K to 6500 K								
312362.00X.2.730	D 1009, H 52	LED	827-865	6000 lm	61 W	16,8	smart+free	A++
Pendant luminaires - Direct 70% - indirect 30% light emission								**Price Category 21**
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm								
312298.00X	D 681, H 52	LED	830	6300 lm	68 W	17,2	on/off	A++
312298.00X.730	D 681, H 52	LED	830	6300 lm	68 W	17,2	smart+free	A++
312298.00X.76	D 681, H 52	LED	830	6300 lm	68 W	17,2	DALI	A++
312298.00X.1	D 681, H 52	LED	840	6550 lm	68 W	17,5	on/off	A++
312298.00X.1.730	D 681, H 52	LED	840	6550 lm	68 W	17,5	smart+free	A++
312298.00X.1.76	D 681, H 52	LED	840	6550 lm	68 W	17,5	DALI	A++
Tunable White - 2700 K to 6500 K								
312298.00X.2.730	D 681, H 52	LED	827-865	4800 lm	61 W	16,1	smart+free	A++
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm								
312301.00X	D 845, H 52	LED	830	10000 lm	110 W	16,7	on/off	A++
312301.00X.730	D 845, H 52	LED	830	10000 lm	110 W	16,7	smart+free	A++
312301.00X.76	D 845, H 52	LED	830	10000 lm	110 W	16,7	DALI	A++
312301.00X.1	D 845, H 52	LED	840	10400 lm	110 W	16,9	on/off	A++
312301.00X.1.730	D 845, H 52	LED	840	10400 lm	110 W	16,9	smart+free	A++
312301.00X.1.76	D 845, H 52	LED	840	10400 lm	110 W	16,9	DALI	A++
Tunable White - 2700 K to 6500 K								
312301.00X.2.730	D 845, H 52	LED	827-865	7200 lm	76 W	16,0	smart+free	A++
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm								
312304.00X	D 1009, H 52	LED	830	11900 lm	122 W	16,8	on/off	A++
312304.00X.730	D 1009, H 52	LED	830	11900 lm	122 W	16,8	smart+free	A++
312304.00X.76	D 1009, H 52	LED	830	11900 lm	122 W	16,8	DALI	A++
312304.00X.1	D 1009, H 52	LED	840	12400 lm	122 W	16,9	on/off	A++
312304.00X.1.730	D 1009, H 52	LED	840	12400 lm	122 W	16,9	smart+free	A++
312304.00X.1.76	D 1009, H 52	LED	840	12400 lm	122 W	16,9	DALI	A++
Tunable White - 2700 K to 6500 K								
312304.00X.2.730	D 1009, H 52	LED	827-865	7750 lm	85 W	15,3	smart+free	A++

Light colour 827 on request.

Comparison
LED vs. conventional lamps

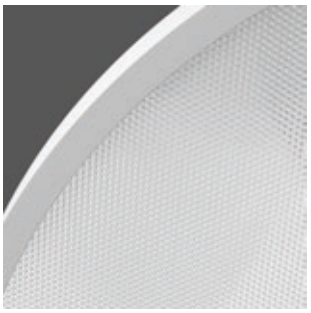
LED 33 / 40 W ≈
1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈
3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈
4 x 28 W T16 (122 W EB)

LED 89 W ≈
4 x 35 W T16 (150 W EB)

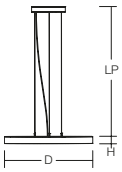
LED 110 / 122 W ≈
4 x 49 W T16 (212 W EB)



Diffuser: plastic (PMMA) opal/microprismatic



Pendant luminaires | Triona



Type of Protection: IP 20
Protection Class: I
Suspension Length: 500-1200 mm

Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Canopy: aluminium, powder-coated. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 33 / 40 W ≈
1 x 22 + 40 W T16-R (70 W EB)

LED 49 / 61 / 68 W ≈
3 x 28 W T16 (92 W EB)

LED 70 / 76 / 85 W ≈
4 x 28 W T16 (122 W EB)

LED 89 W ≈
4 x 35 W T16 (150 W EB)

LED 110 / 122 W ≈
4 x 49 W T16 (212 W EB)



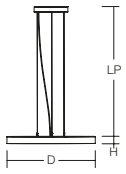
Diffuser: plastic (PMMA), opal

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires - Direct light emission								**Price Category 21**
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm								
312385.00X	D 681, H 52	LED	830	3350 lm	33 W	20,1	on/off	A++
312385.00X.730	D 681, H 52	LED	830	3350 lm	33 W	20,1	smart+free	A++
312385.00X.76	D 681, H 52	LED	830	3350 lm	33 W	20,1	DALI	A++
312385.00X.1	D 681, H 52	LED	840	3500 lm	33 W	20,3	on/off	A++
312385.00X.1.730	D 681, H 52	LED	840	3500 lm	33 W	20,3	smart+free	A++
312385.00X.1.76	D 681, H 52	LED	840	3500 lm	33 W	20,3	DALI	A++
Tunable White - 2700 K to 6500 K								
312385.00X.2.730	D 681, H 52	LED	827-865	3350 lm	40 W	20,1	smart+free	A++
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm								
312389.00X	D 845, H 52	LED	830	7250 lm	70 W	21,2	on/off	A++
312389.00X.730	D 845, H 52	LED	830	7250 lm	70 W	21,2	smart+free	A++
312389.00X.76	D 845, H 52	LED	830	7250 lm	70 W	21,2	DALI	A++
312389.00X.1	D 845, H 52	LED	840	7500 lm	70 W	21,3	on/off	A++
312389.00X.1.730	D 845, H 52	LED	840	7500 lm	70 W	21,3	smart+free	A++
312389.00X.1.76	D 845, H 52	LED	840	7500 lm	70 W	21,3	DALI	A++
Tunable White - 2700 K to 6500 K								
312389.00X.2.730	D 845, H 52	LED	827-865	4800 lm	49 W	19,7	smart+free	A++
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm								
312393.00X	D 1009, H 52	LED	830	8400 lm	89 W	20,4	on/off	A++
312393.00X.730	D 1009, H 52	LED	830	8400 lm	89 W	20,4	smart+free	A++
312393.00X.76	D 1009, H 52	LED	830	8400 lm	89 W	20,4	DALI	A++
312393.00X.1	D 1009, H 52	LED	840	8700 lm	89 W	20,5	on/off	A++
312393.00X.1.730	D 1009, H 52	LED	840	8700 lm	89 W	20,4	smart+free	A++
312393.00X.1.76	D 1009, H 52	LED	840	8700 lm	89 W	20,4	DALI	A++
Tunable White - 2700 K to 6500 K								
312393.00X.2.730	D 1009, H 52	LED	827-865	5700 lm	61 W	19,1	smart+free	A++
Pendant luminaires - Direct 70% - indirect 30% light emission								**Price Category 21**
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm								
312386.00X	D 681, H 52	LED	830	6000 lm	68 W	18,9	on/off	A++
312386.00X.730	D 681, H 52	LED	830	6000 lm	68 W	18,9	smart+free	A++
312386.00X.76	D 681, H 52	LED	830	6000 lm	68 W	18,9	DALI	A++
312386.00X.1	D 681, H 52	LED	840	6250 lm	68 W	19,1	on/off	A++
312386.00X.1.730	D 681, H 52	LED	840	6250 lm	68 W	19,1	smart+free	A++
312386.00X.1.76	D 681, H 52	LED	840	6250 lm	68 W	19,1	DALI	A++
Tunable White - 2700 K to 6500 K								
312386.00X.2.730	D 681, H 52	LED	827-865	4600 lm	61 W	18,0	smart+free	A++
Diameter D 845 mm, Canopy Ø 263 mm, h 40 mm								
312390.00X	D 845, H 52	LED	830	9500 lm	110 W	19,1	on/off	A++
312390.00X.730	D 845, H 52	LED	830	9500 lm	110 W	19,1	smart+free	A++
312390.00X.76	D 845, H 52	LED	830	9500 lm	110 W	19,1	DALI	A++
312390.00X.1	D 845, H 52	LED	840	9900 lm	110 W	19,2	on/off	A++
312390.00X.1.730	D 845, H 52	LED	840	9900 lm	110 W	19,2	smart+free	A++
312390.00X.1.76	D 845, H 52	LED	840	9900 lm	110 W	19,2	DALI	A++
Tunable White - 2700 K to 6500 K								
312390.00X.2.730	D 845, H 52	LED	827-865	6800 lm	76 W	16,9	smart+free	A++
Diameter D 1009 mm, Canopy Ø 263 mm, h 40 mm								
312394.00X	D 1009, H 52	LED	830	11300 lm	122 W	18,4	on/off	A++
312394.00X.730	D 1009, H 52	LED	830	11300 lm	122 W	18,4	smart+free	A++
312394.00X.76	D 1009, H 52	LED	830	11300 lm	122 W	18,4	DALI	A++
312394.00X.1	D 1009, H 52	LED	840	11800 lm	122 W	18,6	on/off	A++
312394.00X.1.730	D 1009, H 52	LED	840	11800 lm	122 W	18,6	smart+free	A++
312394.00X.1.76	D 1009, H 52	LED	840	11800 lm	122 W	18,6	DALI	A++
Tunable White - 2700 K to 6500 K								
312394.00X.2.730	D 1009, H 52	LED	827-865	7400 lm	85 W	16,6	smart+free	A++

Light colour 827 on request.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | Triona FerroMurano





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

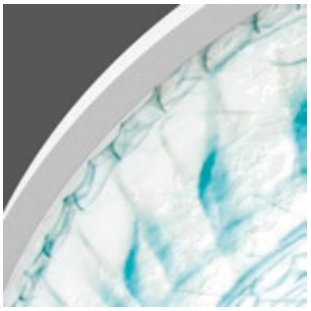
Cover: sheet steel, powder-coated. Frame: aluminium, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Indirect light emission through non-yellowing plastic (PMMA) diffuser, satin finish. Canopy: aluminium, powder-coated 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver.

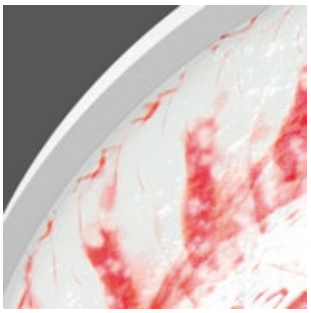
Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

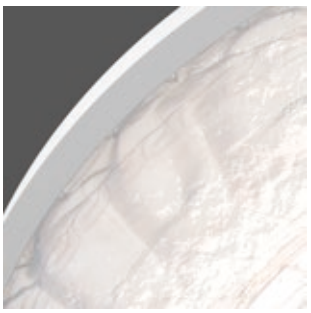
Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires - Direct light emission							**Price Category 21**
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm							
Glass FerroMurano blue							
312359.00X	D 681, H 52	LED	830	4700 lm	57 W	on/off	A++
312359.00X.730	D 681, H 52	LED	830	4700 lm	57 W	smart+free	A++
312359.00X.76	D 681, H 52	LED	830	4700 lm	57 W	DALI	A++
312359.00X.1	D 681, H 52	LED	840	4900 lm	57 W	on/off	A++
312359.00X.1.730	D 681, H 52	LED	840	4900 lm	57 W	smart+free	A++
312359.00X.1.76	D 681, H 52	LED	840	4900 lm	57 W	DALI	A++
Glass FerroMurano red							
312358.00X	D 681, H 52	LED	830	3850 lm	57 W	on/off	A++
312358.00X.730	D 681, H 52	LED	830	3850 lm	57 W	smart+free	A++
312358.00X.76	D 681, H 52	LED	830	3850 lm	57 W	DALI	A++
312358.00X.1	D 681, H 52	LED	840	4000 lm	57 W	on/off	A++
312358.00X.1.730	D 681, H 52	LED	840	4000 lm	57 W	smart+free	A++
312358.00X.1.76	D 681, H 52	LED	840	4000 lm	57 W	DALI	A++
Glass FerroMurano white							
312357.00X	D 681, H 52	LED	830	5350 lm	57 W	on/off	A++
312357.00X.730	D 681, H 52	LED	830	5350 lm	57 W	smart+free	A++
312357.00X.76	D 681, H 52	LED	830	5350 lm	57 W	DALI	A++
312357.00X.1	D 681, H 52	LED	840	5600 lm	57 W	on/off	A++
312357.00X.1.730	D 681, H 52	LED	840	5600 lm	57 W	smart+free	A++
312357.00X.1.76	D 681, H 52	LED	840	5600 lm	57 W	DALI	A++
Pendant luminaires - Direct 70% - indirect 30% light emission							**Price Category 21**
Diameter D 681 mm, Canopy Ø 263 mm, h 40 mm							
Glass FerroMurano blue							
312295.00X	D 681, H 52	LED	830	5150 lm	68 W	on/off	A++
312295.00X.730	D 681, H 52	LED	830	5150 lm	68 W	smart+free	A++
312295.00X.76	D 681, H 52	LED	830	5150 lm	68 W	DALI	A++
312295.00X.1	D 681, H 52	LED	840	5350 lm	68 W	on/off	A++
312295.00X.1.730	D 681, H 52	LED	840	5350 lm	68 W	smart+free	A++
312295.00X.1.76	D 681, H 52	LED	840	5350 lm	68 W	DALI	A++
Glass FerroMurano red							
312294.00X	D 681, H 52	LED	830	4300 lm	68 W	on/off	A++
312294.00X.730	D 681, H 52	LED	830	4300 lm	68 W	smart+free	A++
312294.00X.76	D 681, H 52	LED	830	4300 lm	68 W	DALI	A++
312294.00X.1	D 681, H 52	LED	840	4450 lm	68 W	on/off	A++
312294.00X.1.730	D 681, H 52	LED	840	4450 lm	68 W	smart+free	A++
312294.00X.1.76	D 681, H 52	LED	840	4450 lm	68 W	DALI	A++
Glass FerroMurano white							
312293.00X	D 681, H 52	LED	830	5800 lm	68 W	on/off	A++
312293.00X.730	D 681, H 52	LED	830	5800 lm	68 W	smart+free	A++
312293.00X.76	D 681, H 52	LED	830	5800 lm	68 W	DALI	A++
312293.00X.1	D 681, H 52	LED	840	6000 lm	68 W	on/off	A++
312293.00X.1.730	D 681, H 52	LED	840	6000 lm	68 W	smart+free	A++
312293.00X.1.76	D 681, H 52	LED	840	6000 lm	68 W	DALI	A++

The luminaire flux and UGR of each luminaire varies due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.

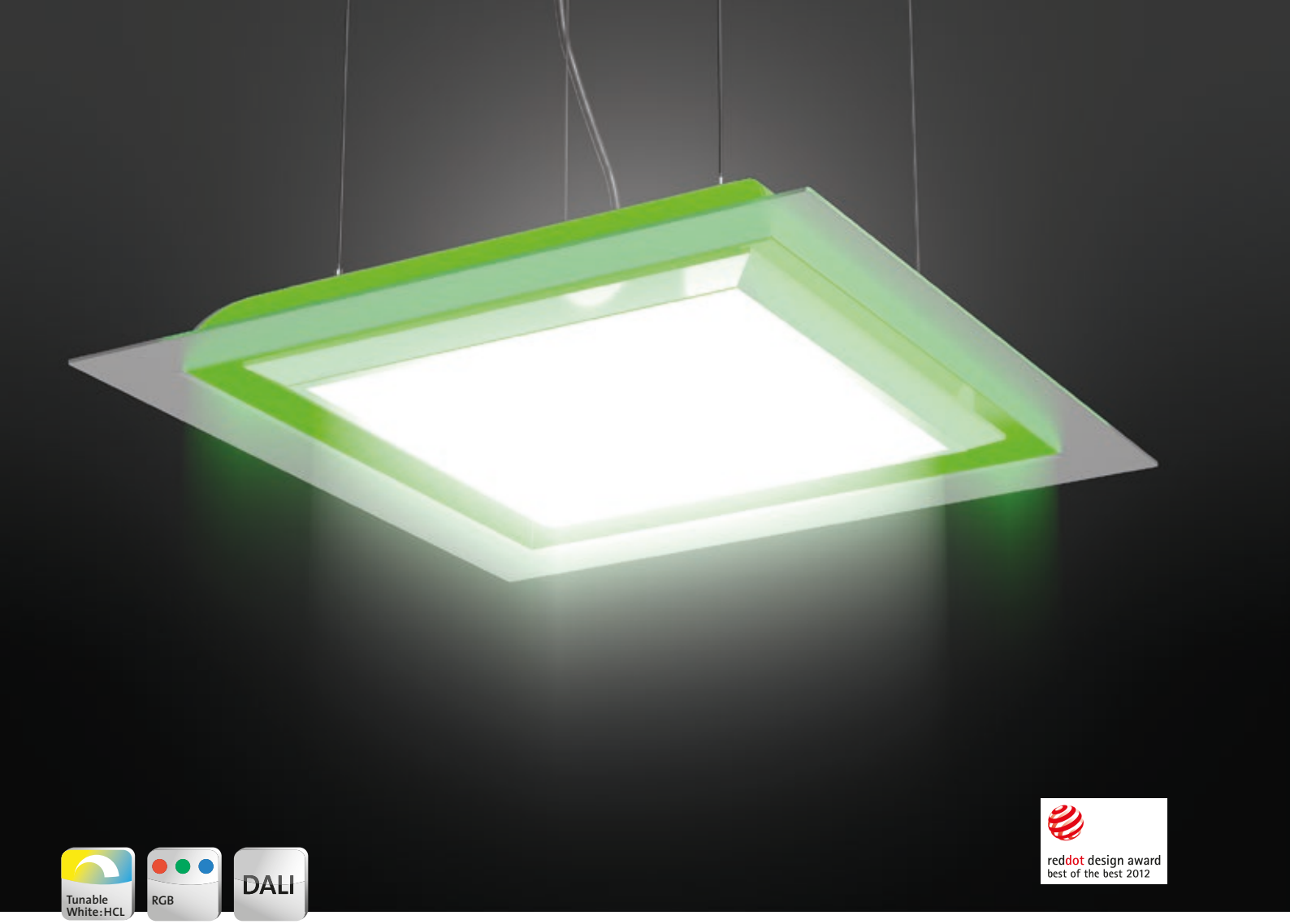

Glass FerroMurano blue


Glass FerroMurano red


Glass FerroMurano white



Further information on coloured FerroMurano glass as well as an overview of additional FerroMurano RZB luminaires can be found on page 142 of this catalogue or at www.rzb-lighting.com

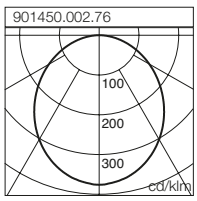


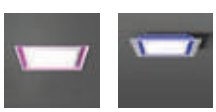
ECONE®

Pendant luminaires

- Effective LED wide field luminaire for interior use
- Comprehensive range consisting of:
  - Recessed luminaires
  - Surface mounted luminaires
  - Pendant luminaires
- Ideally suited to health and care facilities, recommended for office, work, common and conference rooms
- Plastic light frame available in transparent or white with LED colour light channel (RGB)
- **Diffuser** made of **non-yellowing** plastic (**PMMA**) opal
- Suitable for circadian light gradient: Two separate light rooms and the dynamic mixture of the light colours used enable the daylight simulation
- Intelligent and simple control (Plug & Play) with light control +^{3} Professional

901450.002.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7

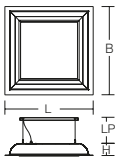




Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Recessed modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Econe





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 100-2000 mm

Housing: sheet steel, powder-coated. Diffuser: plastic (non-yellowing PMMA), opal. Light frame transparent or white plastic with RZB LED light channel. Indirect light emission as an aesthetic appreciation for ceiling illumination. Driver included. 4-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Can be controlled via our **light control +³ Professional** light management system.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light output	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Light frame: transparent								
901366.002.76	L 1000, B 1000, H 125	LED	direct light channel	840 RGB	10900 lm	168 W	DALI	A+
901450.002.76	L 1000, B 1000, H 125	LED	direct light channel	827-865 RGB	8700 lm	224 W	DALI	A+
Light frame: white								
901403.002.76	L 1000, B 1000, H 125	LED	direct light channel	840 RGB	8450 lm	168 W	DALI	A+

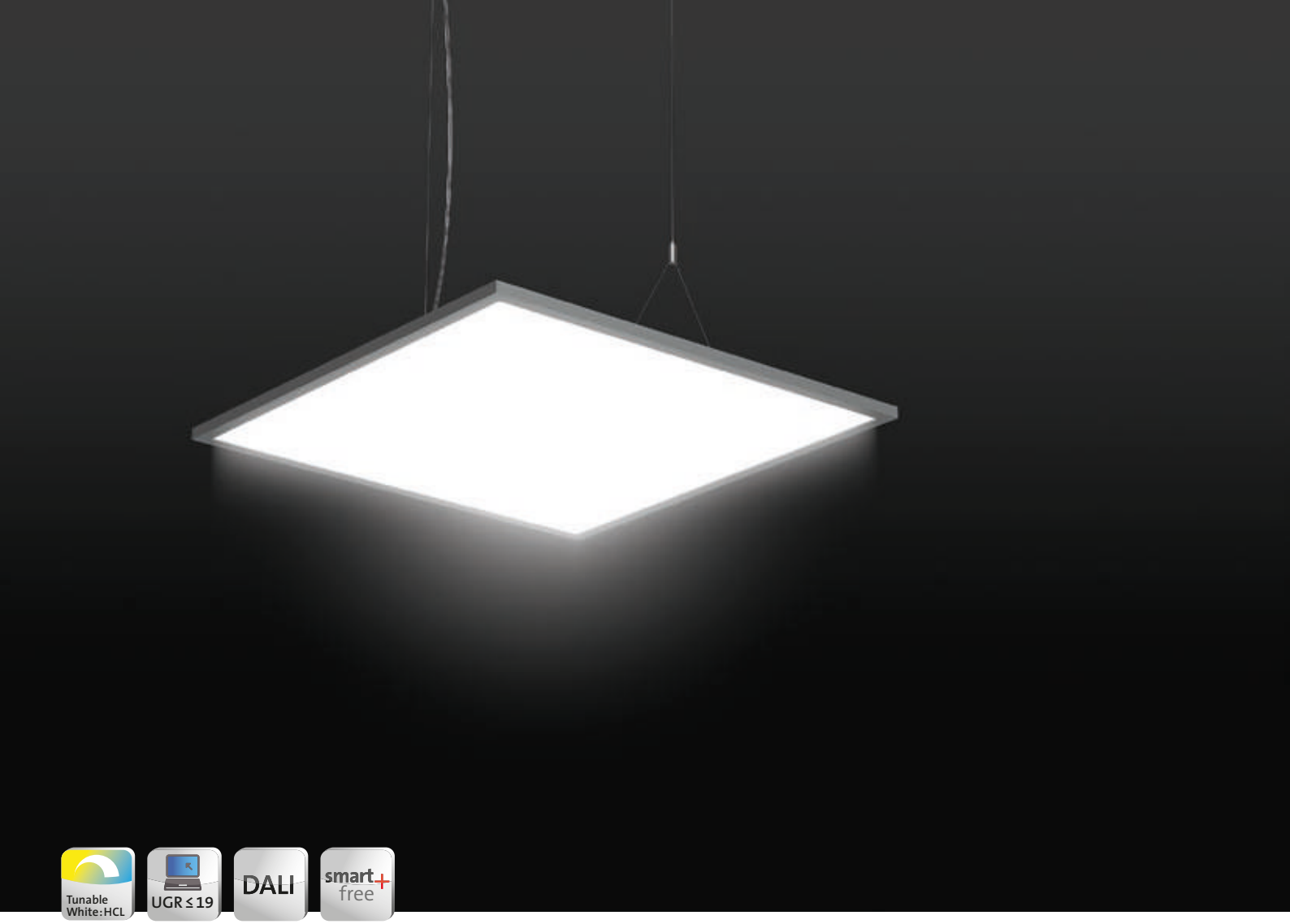

Light frame: transparent


Light frame: white



© Fotostudio Lippmann

The application image shows: Econe

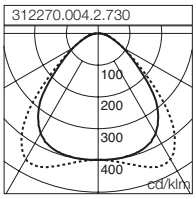


SIDELITE®

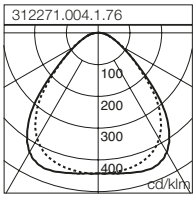
Pendant luminaires

- Aesthetically pleasing low profile luminaires that integrate advanced LED technology
- RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution
- **Lightguide** and plastic **diffuser** made of **non-yellowing PMMA**
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Easy plug-in installation
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

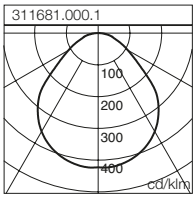
312270.004.2.730		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8

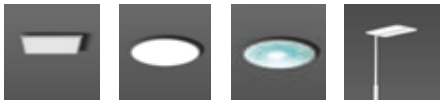


312271.004.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



311681.000.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5

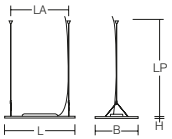




Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Free-standing luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Sidelite





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03
Suspension Length: 300-3000 mm

Cover: sheet steel, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing PMMA. Diffuser with microstructure (Suitable for use in environments with computer screens in accordance with EN 12464-1). 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
312270.004	L 598, B 598, H 49	LED	830	3800 lm	33 W	17,7	on/off	A+
312270.004.76	L 598, B 598, H 49	LED	830	3800 lm	33 W	17,7	DALI	A+
312270.004.1	L 598, B 598, H 49	LED	840	4300 lm	33 W	18,4	on/off	A+
312270.004.1.76	L 598, B 598, H 49	LED	840	4300 lm	33 W	18,4	DALI	A+
Tunable White - 2700 K to 6500 K								
312270.004.2.730	L 598, B 598, H 49	LED	827-865	2900 lm	28 W	16,5	smart+free	A+

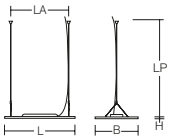
Accessories			Price Category 21
981947.002	L 186, B 42, H 29	Canopy for DALI version (5 pole)	
981948.002	L 186, B 42, H 29	Canopy for standard version (3 pole) and smart+free	

Comparison LED vs. conventional lamps

LED 28 W ≈
4 x 14 W T16 (68 W EVG)
3 x 24 W T16 (75 W EVG)

LED 33 W ≈
4 x 24 W T16 (98 W EVG)

Pendant luminaires | Sidelite





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03
Suspension Length: 300-3000 mm

Cover: sheet steel, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing PMMA. Diffuser with microstructure (Suitable for use in environments with computer screens in accordance with EN 12464-1). 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
312271.004	L 1198, B 298, H 49	LED	830	3950 lm	33 W	17,7	on/off	A+
312271.004.76	L 1198, B 298, H 49	LED	830	3950 lm	33 W	17,7	DALI	A+
312271.004.1	L 1198, B 298, H 49	LED	840	4100 lm	33 W	18,0	on/off	A+
312271.004.1.76	L 1198, B 298, H 49	LED	840	4100 lm	33 W	18,0	DALI	A+
Tunable White - 2700 K to 6500 K								
312271.004.2.730	L 1198, B 298, H 49	LED	827-865	3350 lm	28 W	17,1	smart+free	A+

Accessories			Price Category 21
981947.002	L 186, B 42, H 29	Canopy for DALI version (5 pole)	
981948.002	L 186, B 42, H 29	Canopy for standard version (3 pole) and smart+free	

Comparison LED vs. conventional lamps

LED 28 W ≈
4 x 14 W T16 (68 W EVG)
3 x 24 W T16 (75 W EVG)

LED 33 W ≈
4 x 24 W T16 (98 W EVG)



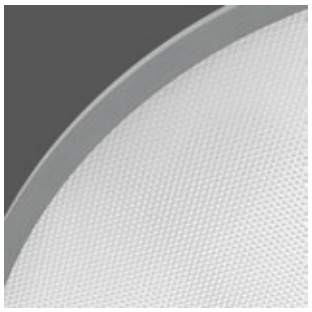
Touch DIM Sensor Applies to versions with .76

Comparison LED vs. conventional lamps

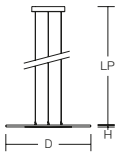
LED 19 W ≈
1 x 40 W T16-R (43 W EB)
3 x 14 W T16 (52 W EB)
3 x 18 W T26 (78 W CB)

LED 24 W ≈
1 x 60 W T16-R (65 W EB)
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

LED 31 / 34 W ≈
4 x 24 W T16 (98 W EB)
2 x 36 W T26 (86 W CB)



Pendant luminaires | Sidelite Round



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03
Suspension Length: 500-1200 mm

Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing PMMA. Diffuser opal/microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

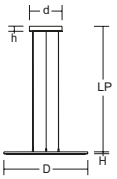
Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

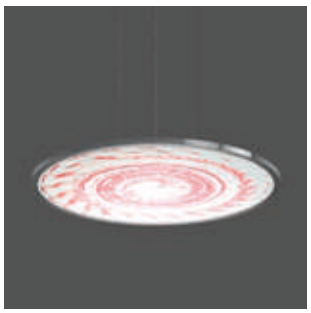
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Diffuser: plastic (PMMA) opal/microprismatic								
Diameter D 348 mm, canopy Ø 221 mm, h 36 mm								
311998.000	D 348, H 15	LED	830	1800 lm	19 W	20,8	on/off	A++
311998.000.730	D 348, H 15	LED	830	1800 lm	19 W	20,8	smart+free	A++
311998.000.76	D 348, H 15	LED	830	1800 lm	19 W	20,8	DALI	A++
311998.000.1	D 348, H 15	LED	840	1900 lm	19 W	21,0	on/off	A++
311998.000.1.730	D 348, H 15	LED	840	1900 lm	19 W	21,0	smart+free	A++
311998.000.1.76	D 348, H 15	LED	840	1900 lm	19 W	21,0	DALI	A++
Tunable White - 2700 K to 6500 K								
311998.000.2.730	D 348, H 15	LED	827-865	1700 lm	19 W	20,1	smart+free	A++
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm								
311911.004	D 457, H 15	LED	830	2500 lm	24 W	19,7	on/off	A++
311911.004.730	D 457, H 15	LED	830	2500 lm	24 W	19,7	smart+free	A++
311911.004.76	D 457, H 15	LED	830	2500 lm	24 W	19,7	DALI	A++
311911.004.1	D 457, H 15	LED	840	2650 lm	24 W	20,0	on/off	A++
311911.004.1.730	D 457, H 15	LED	840	2650 lm	24 W	20,0	smart+free	A++
311911.004.1.76	D 457, H 15	LED	840	2650 lm	24 W	20,0	DALI	A++
Tunable White - 2700 K to 6500 K								
311911.004.2.730	D 457, H 15	LED	827-865	2400 lm	24 W	19,6	smart+free	A++
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm								
311681.000	D 675, H 15	LED	830	3250 lm	31 W	17,9	on/off	A++
311681.000.730	D 675, H 15	LED	830	3250 lm	31 W	17,9	smart+free	A++
311681.000.76	D 675, H 15	LED	830	3250 lm	31 W	17,9	DALI	A++
311681.000.1	D 675, H 15	LED	840	3450 lm	31 W	18,1	on/off	A++
311681.000.1.730	D 675, H 15	LED	840	3450 lm	31 W	18,1	smart+free	A++
311681.000.1.76	D 675, H 15	LED	840	3450 lm	31 W	18,1	DALI	A++
Tunable White - 2700 K to 6500 K								
311681.000.2.730	D 675, H 15	LED	827-865	3700 lm	34 W	17,9	smart+free	A++

Light colour 827 on request.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | Sidelite Round FerroMurano





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02
Suspension Length: 500-1200 mm

Frame: extruded anodised aluminium profile. Diffuser: handcrafted, coloured glass FerroMurano. Canopy aluminium anodised. For pendant lengths of up to 2 m, power is supplied through a suspension cable. For pendant lengths of 2 m and more, and for all tunable white versions, power must be supplied through a separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Integral driver. Lateral light emission thanks to LED.

Available colour: aluminium, anodised



Applies to versions with .76

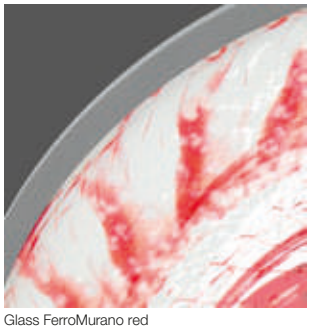
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pendant luminaires							**Price Category 21**
Glass FerroMurano red							
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm							
311907.004	D 457, H 15	LED	830	1850 lm	38 W	on/off	A++
311907.004.76	D 457, H 15	LED	830	1850 lm	38 W	DALI	A++
311907.004.1	D 457, H 15	LED	840	2050 lm	38 W	on/off	A++
311907.004.1.76	D 457, H 15	LED	840	2050 lm	38 W	DALI	A++
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm							
311677.000	D 675, H 15	LED	830	3450 lm	54 W	on/off	A++
311677.000.76	D 675, H 15	LED	830	3450 lm	54 W	DALI	A++
311677.000.1	D 675, H 15	LED	840	3750 lm	54 W	on/off	A++
311677.000.1.76	D 675, H 15	LED	840	3750 lm	54 W	DALI	A++
Glass FerroMurano blue							
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm							
311908.004	D 457, H 15	LED	830	2400 lm	38 W	on/off	A++
311908.004.76	D 457, H 15	LED	830	2400 lm	38 W	DALI	A++
311908.004.1	D 457, H 15	LED	840	2650 lm	38 W	on/off	A++
311908.004.1.76	D 457, H 15	LED	840	2650 lm	38 W	DALI	A++
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm							
311678.000	D 675, H 15	LED	830	4300 lm	54 W	on/off	A++
311678.000.76	D 675, H 15	LED	830	4300 lm	54 W	DALI	A++
311678.000.1	D 675, H 15	LED	840	4600 lm	54 W	on/off	A++
311678.000.1.76	D 675, H 15	LED	840	4600 lm	54 W	DALI	A++
Glass FerroMurano white							
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm							
311910.004	D 457, H 15	LED	830	3000 lm	38 W	on/off	A++
311910.004.76	D 457, H 15	LED	830	3000 lm	38 W	DALI	A++
311910.004.1	D 457, H 15	LED	840	3200 lm	38 W	on/off	A++
311910.004.1.76	D 457, H 15	LED	840	3200 lm	38 W	DALI	A++
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm							
311693.000	D 675, H 15	LED	830	4900 lm	54 W	on/off	A++
311693.000.76	D 675, H 15	LED	830	4900 lm	54 W	DALI	A++
311693.000.1	D 675, H 15	LED	840	5400 lm	54 W	on/off	A++
311693.000.1.76	D 675, H 15	LED	840	5400 lm	54 W	DALI	A++

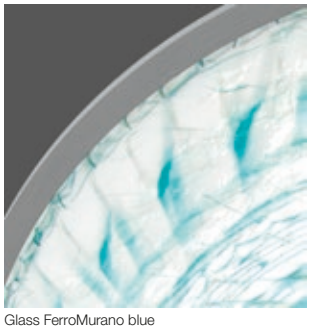
The luminaire flux and UGR of each luminaire varies due to the difference in colour intensity and structure of the glasses. Light colour 827 on request.

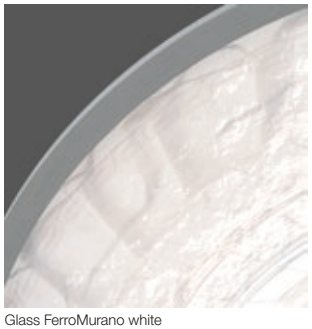
Comparison
LED vs. conventional lamps

LED 38 W ≈
1 x 40 W T16-R (43 W EB)
3 x 14 W T16 (52 W EB)

LED 54 W ≈
1 x 55 W T16-R (60 W EB)
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)


Glass FerroMurano red


Glass FerroMurano blue


Glass FerroMurano white



Further information on coloured FerroMurano glass as well as an overview of additional FerroMurano RZB luminaires can be found on page 142 of this catalogue or at www.rzb-lighting.com

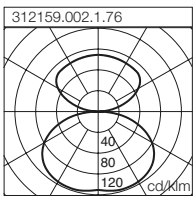


SIDELITE® ECO

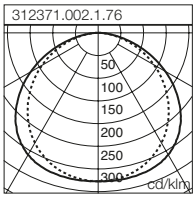
Pendant luminaires

- Extremely cost efficient luminaires with advanced LED technology, available as ceiling, wall, recessed or suspended lighting solutions for interiors
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- **Lightguide** and **diffuser** made of **non-yellowing PMMA** with microprismatic
- RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution
- LED rated life 50,000 h (L70, B10)
- Luminous efficiency of up to 130 lm/W
- Flicker < 5%
- External driver with simple plug-in locking system and extended converter connecting cable to the luminaire

312159.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	8



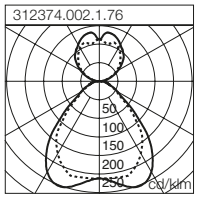
312371.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



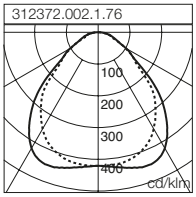


Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Free-standing luminaires
Emergency lighting | Escape route illumination

312374.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8



312372.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

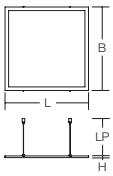


© Sascha Kletzsch

The application image shows:
Sidelite ECO



Pendant luminaires | Sidelite ECO



Type of Protection: IP 20
Protection Class: II
Suspension Length: 300-1500 mm

Frame: aluminium, powder-coated. Lightguide and diffuser made of non-yellowing PMMA. Diffuser made of non-yellowing plastic, opal or microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. External driver (Height 29 mm). 4-point steel cable suspension, steplessly adjustable.

Available colour: 2 = white

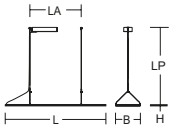
Comparison
LED vs. conventional lamps

LED 29 W ≈
3 x 26 W TC-D (102 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
312369.002	L 595, B 595, H 12	LED	830	3200 lm	29 W	20,8	on/off	A++
312369.002.76	L 595, B 595, H 12	LED	830	3200 lm	29 W	20,8	DALI	A++
312369.002.1	L 595, B 595, H 12	LED	840	3700 lm	29 W	21,3	on/off	A++
312369.002.1.76	L 595, B 595, H 12	LED	840	3700 lm	29 W	21,3	DALI	A++
Diffuser plastic (PMMA) micro prismatic								
312370.002	L 595, B 595, H 12	LED	830	3350 lm	29 W	17,6	on/off	A++
312370.002.76	L 595, B 595, H 12	LED	830	3350 lm	29 W	17,6	DALI	A++
312370.002.1	L 595, B 595, H 12	LED	840	3700 lm	29 W	17,9	on/off	A++
312370.002.1.76	L 595, B 595, H 12	LED	840	3700 lm	29 W	17,9	DALI	A++



Pendant luminaires | Sidelite ECO



Type of Protection: IP 20
Protection Class: II
Suspension Length: 300-1500 mm

Frame: aluminium, powder-coated. Lightguide and diffuser made of non-yellowing PMMA. Diffuser made of non-yellowing plastic, opal or microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Converter in the canopy. 2-point steel cable suspension, steplessly adjustable.

Available colour: 2 = white

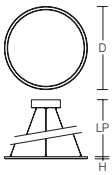
Comparison
LED vs. conventional lamps

LED 29 / 34 W ≈
2 x 28 W T16 (61 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
 **Direct light emission**								
Diffuser: plastic (PMMA), opal								
312371.002	L 1195, B 295, H 12	LED	830	3300 lm	29 W	21,1	on/off	A++
312371.002.76	L 1195, B 295, H 12	LED	830	3300 lm	29 W	21,1	DALI	A++
312371.002.1	L 1195, B 295, H 12	LED	840	3550 lm	29 W	21,4	on/off	A++
312371.002.1.76	L 1195, B 295, H 12	LED	840	3550 lm	29 W	21,4	DALI	A++
Diffuser plastic (PMMA) micro prismatic								
312372.002	L 1195, B 295, H 12	LED	830	3200 lm	29 W	17,8	on/off	A++
312372.002.76	L 1195, B 295, H 12	LED	830	3200 lm	29 W	17,8	DALI	A++
312372.002.1	L 1195, B 295, H 12	LED	840	3450 lm	29 W	18,1	on/off	A++
312372.002.1.76	L 1195, B 295, H 12	LED	840	3450 lm	29 W	18,1	DALI	A++
 **Direct 80% - indirect 20% light emission**								
Diffuser: plastic (PMMA), opal								
312373.002	L 1195, B 295, H 12	LED	830	3800 lm	34 W	19,0	on/off	A++
312373.002.76	L 1195, B 295, H 12	LED	830	3800 lm	34 W	19,0	DALI	A++
312373.002.1	L 1195, B 295, H 12	LED	840	3950 lm	34 W	19,1	on/off	A++
312373.002.1.76	L 1195, B 295, H 12	LED	840	3950 lm	34 W	19,1	DALI	A++
Diffuser plastic (PMMA) micro prismatic								
312374.002	L 1195, B 295, H 12	LED	830	4000 lm	34 W	14,7	on/off	A++
312374.002.76	L 1195, B 295, H 12	LED	830	4000 lm	34 W	14,7	DALI	A++
312374.002.1 .Q	L 1195, B 295, H 12	LED	840	4150 lm	34 W	14,1	on/off	A++
312374.002.1.76	L 1195, B 295, H 12	LED	840	4150 lm	34 W	14,1	DALI	A++

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | Sidelite ECO





Type of Protection: **IP 40**
Protection Class: II
Suspension Length: 300-1500 mm

Frame: aluminium, powder-coated. Lightguide and diffuser made of non-yellowing PMMA. Choice of opal or transparent plastic (PMMA) diffuser. Lateral light emission thanks to LED. Converter in the canopy. 3-point steel cable suspension, steplessly adjustable.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Direct light emission								
Diffuser: plastic (PMMA), opal								
312157.002	D 580, H 15	LED	830	3050 lm	39 W	21,1	on/off	A+
312157.002.76	D 580, H 15	LED	830	3050 lm	39 W	21,1	DALI	A+
312157.002.1	D 580, H 15	LED	840	3100 lm	39 W	21,2	on/off	A+
312157.002.1.76	D 580, H 15	LED	840	3100 lm	39 W	21,2	DALI	A+
Direct 50% - indirect 50% light emission								
Diffuser: plastic (PMMA), opal								
312158.002	D 580, H 15	LED	830	3250 lm	39 W	15,4	on/off	A+
312158.002.76	D 580, H 15	LED	830	3250 lm	39 W	15,4	DALI	A+
312158.002.1	D 580, H 15	LED	840	3250 lm	39 W	15,4	on/off	A+
312158.002.1.76	D 580, H 15	LED	840	3250 lm	39 W	15,4	DALI	A+
Diffuser: plastic (PMMA), transparent								
312159.002	D 580, H 15	LED	830	3400 lm	39 W	18,5	on/off	A+
312159.002.76	D 580, H 15	LED	830	3400 lm	39 W	18,5	DALI	A+
312159.002.1	D 580, H 15	LED	840	3550 lm	39 W	18,8	on/off	A+
312159.002.1.76	D 580, H 15	LED	840	3550 lm	39 W	18,8	DALI	A+

Comparison
LED vs. conventional lamps

LED 39 W ≈
1 x 60 W T16-R (65 W EB)
2 x 32 W T16-R (69 W EB)


Diffuser: opal


Diffuser: transparent (off)


Diffuser: transparent (on)

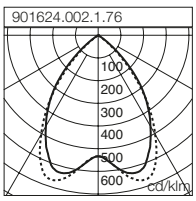


SONIS EVO

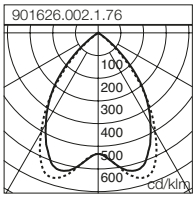
Pendant luminaires

- Highly efficient LED luminaire
- Alea optical system for glare-free light at the workstation (UGR ≤ 19)
- Narrow beam, brilliant luminous effect
- LED rated life 50,000 h (L80, B10)
- Luminous efficiency up to 125 lm/W

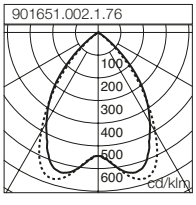
901624.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



901626.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



901651.002.1.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	2	3

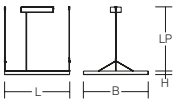




Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pendant luminaires | Sonis EVO



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 1500 mm

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm). 2-point steel cable suspension, steplessly adjustable.

Available colour: 2 = white

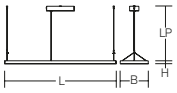


Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
901624.002.1	L 602, B 602, H 33	LED	840	3450 lm	29 W	18,5	on/off	A+
901624.002.1.76	L 602, B 602, H 33	LED	840	3450 lm	29 W	18,5	DALI	A+

Comparison
LED vs. conventional lamps

LED 29 W ≈
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Pendant luminaires | Sonis EVO



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03
Suspension Length: 1500 mm

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Converter integrated, DALI converter external (height 32 mm). 2-point steel cable suspension, steplessly adjustable.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
single row Alea optical system								
901626.002.1	L 1202, B 302, H 33	LED	840	3450 lm	29 W	18,5	on/off	A+
901626.002.1.76	L 1202, B 302, H 33	LED	840	3450 lm	29 W	18,5	DALI	A+
double row Alea optical system								
901651.002.1	L 1202, B 302, H 33	LED	840	6500 lm	56 W	18,6	on/off	A+
901651.002.1.76	L 1202, B 302, H 33	LED	840	6500 lm	56 W	18,6	DALI	A+

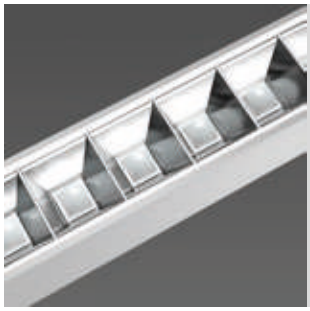
Comparison
LED vs. conventional lamps

LED 29 W ≈
1 x 58 W T26 (67 W KVG)

LED 56 W ≈
2 x 58 W T26 (134 W KVG)



double row Alea optical system



ALEA OPTICAL SYSTEM

A brilliant example of the power of innovation:

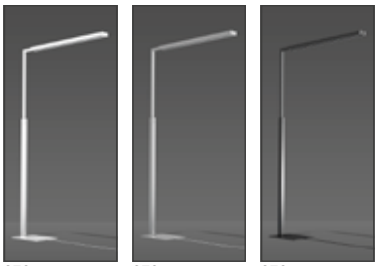
The Alea optical system in the Sonis EVO combines square reflector elements with a linear structure.

The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.



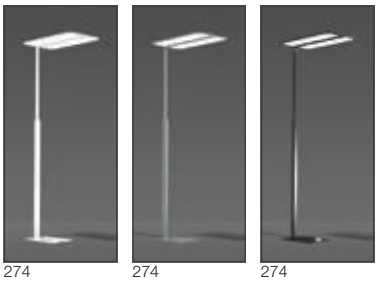
The application image shows:
Less is more 27

© shutterstock



Less is more 27

268-271



Sidelite

272-275



Sidelite ECO

276-277



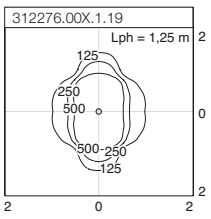
LESS IS MORE® 27

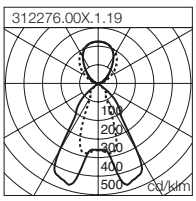
Free-standing luminaires

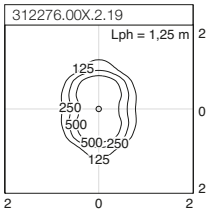
- LED free-standing luminaires for single and double workplaces
- Versions with intelligent presence control and brightness sensors
- Version with asymmetrical light characteristics for high degree of uniformity in the workplace
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Extremely flat luminaire top
- With integrated converter
- Direct and indirect light output
- LED rated life 60,000 h (L80, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Flush membrane switch for easy operation
- Versions with wide opening in the base plate especially for double workplaces

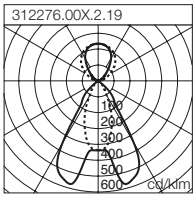


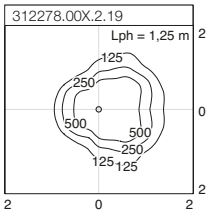
Further luminaires of this series, see:
Indoor lighting | LED linear systems

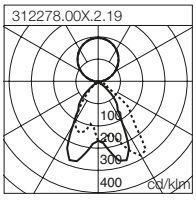




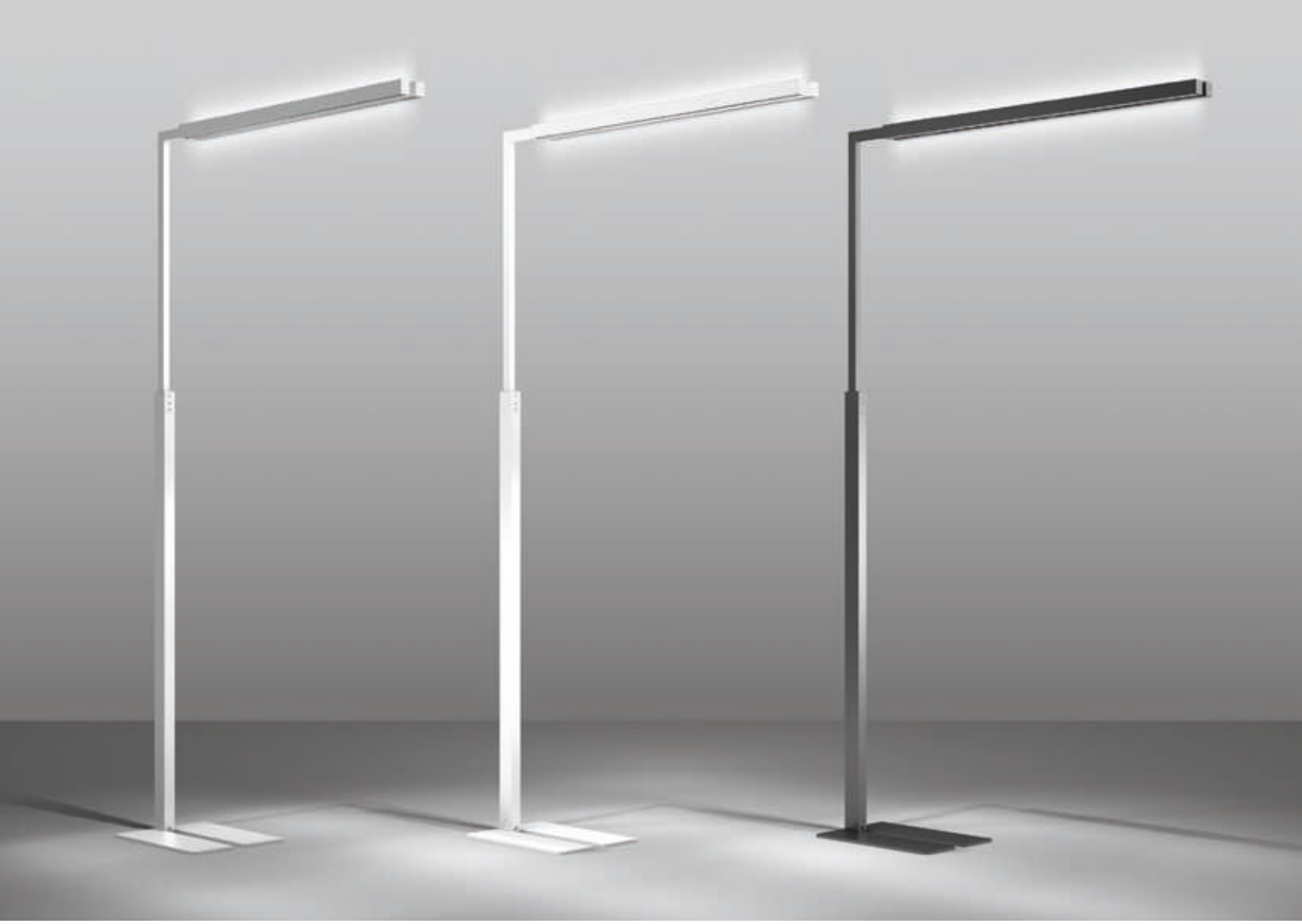


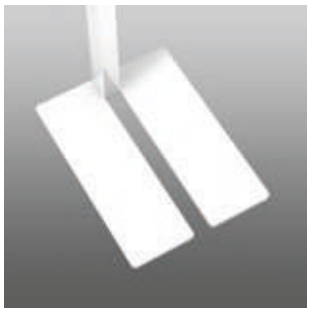






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.





Base plate (405 x 300 mm) with narrow opening (35 mm)



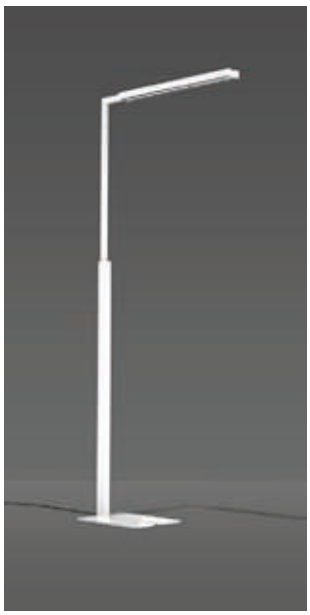
Base plate (450 x 340 mm) with wide opening (150 mm)



Flush membrane switch for easy operation



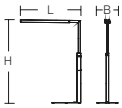
Versions with intelligent presence control and brightness sensors



Comparison
LED vs. conventional lamps

LED 80 / 92 W ≈
3 x 58 W T26 (201 W CB)

Free-standing luminaires | Less is more 27



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

LED free-standing luminaires for single and double workplaces, optionally with intelligent presence control and brightness sensors. Integral driver located inside the column. Direct/indirect emission in 60:40 ratio. Direct light control via aluminium micro-grid in smooth finish (screen-compliant according to EN-12464-1). Indirect light control via satin-finish plastic diffuser in non-yellowing PMMA. Flat steel base plate for high stability and space-saving positioning with office furniture. Top and column made of aluminium. Luminaire powder coated. Pushbutton ergonomically integrated in the luminaire column.

Dimensions of luminaire top: (2x) 1013 x 37 x 28 mm. Height/luminaire: 2033 mm (top edge of luminaire). Cable 2.0 m in 0.75 mm^2 with safety plug (Schuko).

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Free-standing luminaires, Direct/indirect - can be switched together, Symmetrical light distribution								**Price Category 21**
Base plate with narrow opening								
312248.00X	L 1170, B 300, H 2033	LED	830	8650 lm	92 W	15,0	Touch-Dim	A+
312248.00X.19	L 1170, B 300, H 2033	LED	830	8650 lm	92 W	15,0	Sensor	A+
312248.00X.1	L 1170, B 300, H 2033	LED	840	8650 lm	92 W	15,0	Touch-Dim	A++
312248.00X.1.19	L 1170, B 300, H 2033	LED	840	8650 lm	92 W	15,0	Sensor	A++
Base plate with wide opening								
312249.00X	L 1170, B 340, H 2033	LED	830	8650 lm	92 W	15,0	Touch-Dim	A+
312249.00X.19	L 1170, B 340, H 2033	LED	830	8650 lm	92 W	15,0	Sensor	A+
312249.00X.1	L 1170, B 340, H 2033	LED	840	8650 lm	92 W	15,0	Touch-Dim	A++
312249.00X.1.19	L 1170, B 340, H 2033	LED	840	8650 lm	92 W	15,0	Sensor	A++
Free-standing luminaires, Direct/indirect - can be switched separately/dimmable, Symmetrical light distribution								**Price Category 21**
Base plate with narrow opening								
312276.00X	L 1170, B 300, H 2033	LED	830	8650 lm	92 W	14,8	Touch-Dim	A+
312276.00X.19	L 1170, B 300, H 2033	LED	830	8650 lm	92 W	14,8	Sensor	A+
312276.00X.1	L 1170, B 300, H 2033	LED	840	8650 lm	92 W	15,0	Touch-Dim	A++
312276.00X.1.19	L 1170, B 300, H 2033	LED	840	8650 lm	92 W	15,0	Sensor	A++
Tunable White - 2700 K to 6500 K								
312276.00X.2 *	L 1170, B 300, H 2033	LED	840 + 827-865	6250 lm	80 W	16,0	Touch-Dim	A+
312276.00X.2.19 *	L 1170, B 300, H 2033	LED	840 + 827-865	6250 lm	80 W	16,0	Sensor	A+
Base plate with wide opening								
312277.00X	L 1170, B 340, H 2033	LED	830	8650 lm	92 W	14,8	Touch-Dim	A+
312277.00X.19	L 1170, B 340, H 2033	LED	830	8650 lm	92 W	14,8	Sensor	A+
312277.00X.1	L 1170, B 340, H 2033	LED	840	8650 lm	92 W	15,0	Touch-Dim	A++
312277.00X.1.19	L 1170, B 340, H 2033	LED	840	8650 lm	92 W	15,0	Sensor	A++
Tunable White - 2700 K to 6500 K								
312277.00X.2 *	L 1170, B 340, H 2033	LED	840 + 827-865	6250 lm	80 W	16,0	Touch-Dim	A+
312277.00X.2.19 *	L 1170, B 340, H 2033	LED	840 + 827-865	6250 lm	80 W	16,0	Sensor	A+
Free-standing luminaires, Direct/indirect - can be switched separately/dimmable, Asymmetrical light distribution								**Price Category 21**
Base plate with narrow opening								
312278.00X	L 1170, B 300, H 2033	LED	830	8700 lm	92 W	20,6	Touch-Dim	A+
312278.00X.19	L 1170, B 300, H 2033	LED	830	8700 lm	92 W	20,6	Sensor	A+
312278.00X.1	L 1170, B 300, H 2033	LED	840	9150 lm	92 W	20,8	Touch-Dim	A++
312278.00X.1.19	L 1170, B 300, H 2033	LED	840	9150 lm	92 W	20,8	Sensor	A++
Tunable White - 2700 K to 6500 K								
312278.00X.2 *	L 1170, B 300, H 2033	LED	840 + 827-865	7100 lm	80 W	22,4	Touch-Dim	A+
312278.00X.2.19 *	L 1170, B 300, H 2033	LED	840 + 827-865	7100 lm	80 W	22,4	Sensor	A+
Base plate with wide opening								
312279.00X	L 1170, B 340, H 2033	LED	830	8700 lm	92 W	20,6	Touch-Dim	A+
312279.00X.19	L 1170, B 340, H 2033	LED	830	8700 lm	92 W	20,6	Sensor	A+
312279.00X.1	L 1170, B 340, H 2033	LED	840	9150 lm	92 W	20,8	Touch-Dim	A++
312279.00X.1.19	L 1170, B 340, H 2033	LED	840	9150 lm	92 W	20,8	Sensor	A++
Tunable White - 2700 K to 6500 K								
312279.00X.2 *	L 1170, B 340, H 2033	LED	840 + 827-865	7100 lm	80 W	22,4	Touch-Dim	A+
312279.00X.2.19 *	L 1170, B 340, H 2033	LED	840 + 827-865	7100 lm	80 W	22,4	Sensor	A+

* Tunable White in the indirect part

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

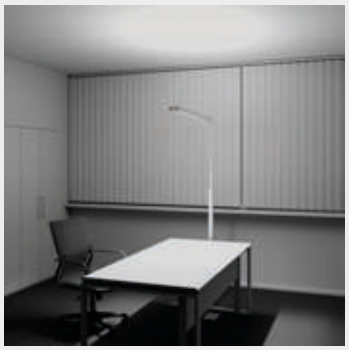
Sample product performance comparison with direct and indirect light emission

Length 4.0 m | Width 3.50 m | Height 2.80 m | Maintenance factor 0.80 | Working plane 0.75 m | Mounting Height 2.0 m

Single workplace



Reference number	**312276.002.1.19**
Wattage	LED 92 W / 8650 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**



Double workplace



Reference number	**312278.002.1.19**
Wattage	LED 92 W / 9150 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**

High uniformity of light distribution by means of asymmetrical light emittance





© Fotostudio Lippmann

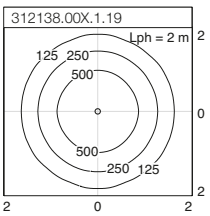
The application image shows:
Less is more 27

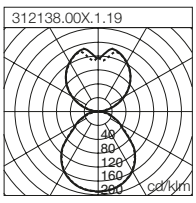


SIDELITE®

Free-standing luminaires

- LED free-standing luminaires for single and double workplaces
- Versions with intelligent presence control and brightness sensors
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Extremely flat luminaire top
- With integrated converter
- Direct and indirect light output
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Flush membrane switch for easy operation
- Versions with wide opening in the base plate especially for double workplaces

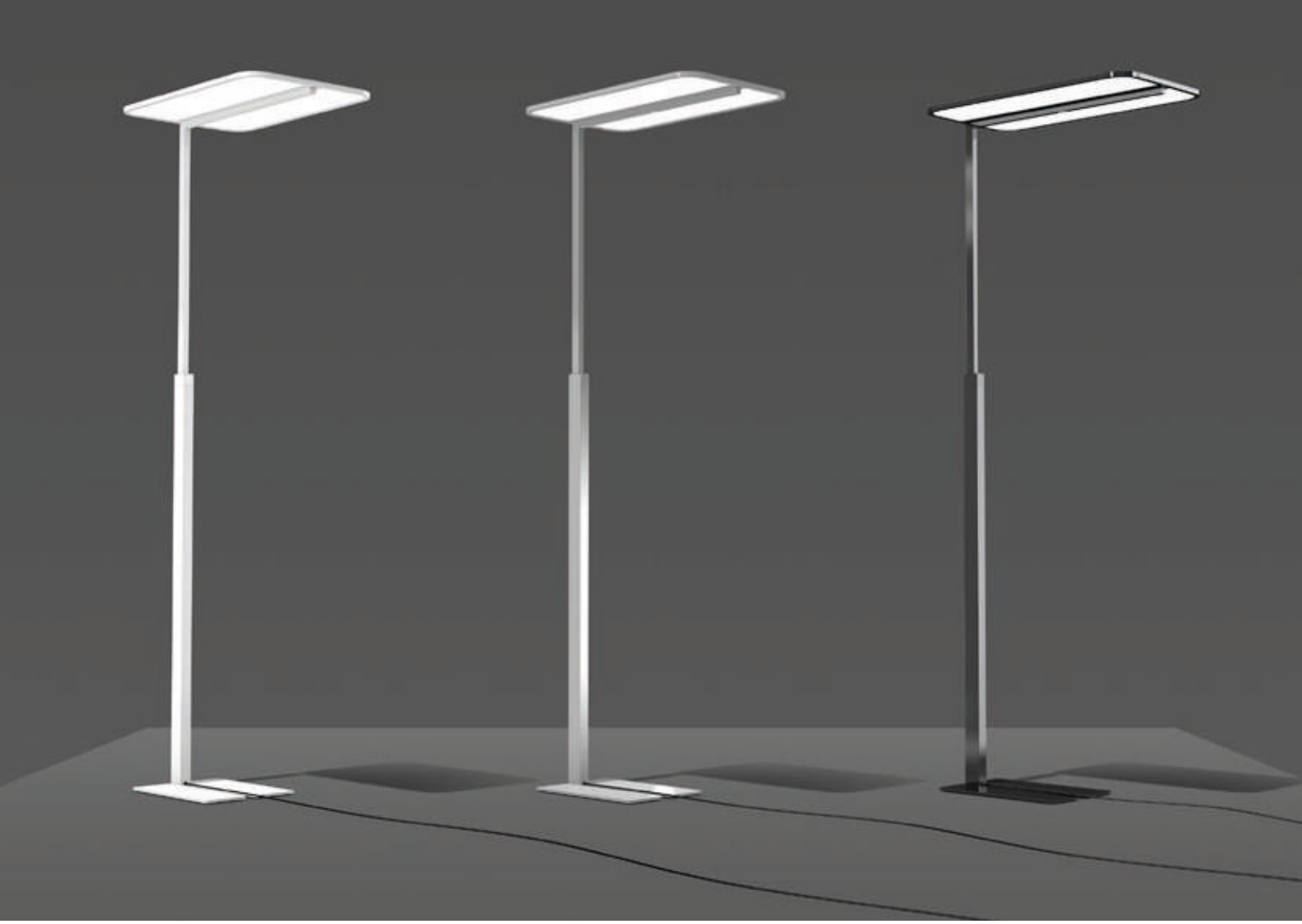


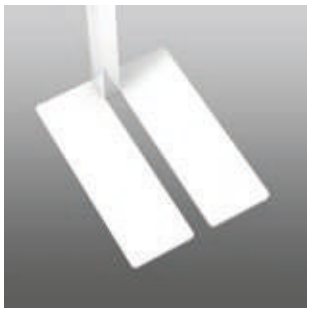




Further luminaires of this series, see:
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.





Base plate (405 x 300 mm) with narrow opening (35 mm)



Base plate (450 x 340 mm) with wide opening (150 mm)



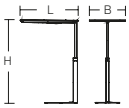
Flush membrane switch for easy operation



Versions with intelligent presence control and brightness sensors



Free-standing luminaires | Sidelite



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK04

LED free-standing luminaires for single and double workplaces, optionally with intelligent presence control and brightness sensors. Integral driver located inside the column. Direct/indirect emission in 60:40 ratio. Direct light control via micro prismatic plastic diffuser (screen-compliant according to EN-12464-1). Indirect light control via opal plastic diffuser, diffusers and light guide made of non-yellowing PMMA. Flat steel base plate for high stability and space-saving positioning with office furniture. Top and column made of aluminium. Luminaire powder coated. Pushbutton ergonomically integrated in the luminaire column.

Dimensions of luminaire top: 440 x 715 x 15 mm. Height/luminaire: 2037 mm (top edge of luminaire). Cable 2.0 m in 0.75 mm^2 with safety plug (Schuko).

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Free-standing luminaires								**Price Category 21**
Base plate with narrow opening								
312138.00X	L 715, B 440, H 2037	LED	830	7200 lm	70 W	16,9	Touch-Dim	A++
312138.00X.19	L 715, B 440, H 2037	LED	830	7200 lm	70 W	16,9	Sensor	A++
312138.00X.1	L 715, B 440, H 2037	LED	840	7200 lm	70 W	16,9	Touch-Dim	A++
312138.00X.1.19	L 715, B 440, H 2037	LED	840	7200 lm	70 W	16,9	Sensor	A++
Base plate with wide opening								
312139.00X	L 715, B 440, H 2037	LED	830	7200 lm	70 W	16,9	Touch-Dim	A++
312139.00X.19	L 715, B 440, H 2037	LED	830	7200 lm	70 W	16,9	Sensor	A++
312139.00X.1	L 715, B 440, H 2037	LED	840	7200 lm	70 W	16,9	Touch-Dim	A++
312139.00X.1.19	L 715, B 440, H 2037	LED	840	7200 lm	70 W	16,9	Sensor	A++

Comparison
LED vs. conventional lamps

LED 70 W ≈
2 x 58 W T26 (134 W CB)

Sample product performance comparison with direct and indirect light emission

Length 4.0 m | Width 3.50 m | Height 2.80 m | Maintenance factor 0.80 | Working plane 0.75 m | Mounting Height 2.0 m

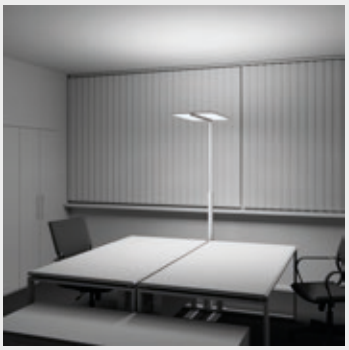
Single workplace

Reference number	**312138.002.1**
Wattage	LED 70 W / 7200 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**



Double workplace

Reference number	**312139.002.1**
Wattage	LED 70 W / 7200 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Fotostudio Lippmann

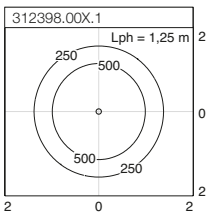
The application image shows:
Sidelite

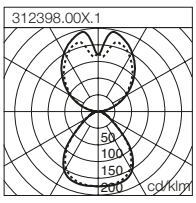


SIDELITE® ECO

Free-standing luminaires

- LED free-standing luminaires for single and double workplaces
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Flat luminaire head
- With integrated converter
- Direct and indirect light output
- LED rated life 40,000 h (L80, B10)



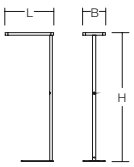


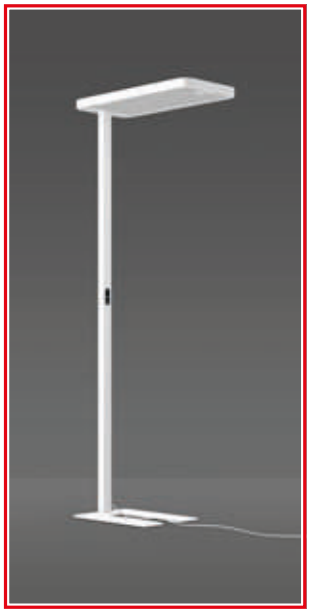


Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Free-standing luminaires | Sidelite ECO





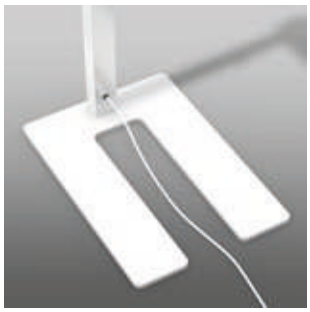
Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

LED free-standing luminaires for single and double workplaces, optionally with intelligent presence control and brightness sensors. Integral driver located inside the column. Direct/indirect emission in 40:60 ratio. Direct light control using plastic diffuser with fine microstructure (screen-compliant in accordance with EN 12464-1). Indirect light control via opal plastic diffuser, diffusers and light guide made of non-yellowing PMMA. Flat steel base plate for high stability and space-saving positioning with office furniture. Top and column made of aluminium. Luminaire powder coated. Pushbutton ergonomically integrated in the luminaire column.

Dimensions of luminaire top: 750 x 350 x 40 mm. Height/luminaire: 2000 mm (top edge of luminaire). Cable 2.0 m in 0.75 mm^2 with safety plug (Schuko).

Available colours (X): 2 = white, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Free-standing luminaires, Direct/indirect - can be switched separately/dimmable								**Price Category 21**
312398.00X.1	L 750, B 350, H 2000	LED	840	9900 lm	93 W	14,2	Touch-Dim	A+
312398.00X.1.19	L 750, B 350, H 2000	LED	840	9900 lm	93 W	14,2	Sensor	A+


Base plate (350 x 500 mm) with opening (150 mm)


Micro-prismatic diffuser


Versions with intelligent presence control and brightness sensors

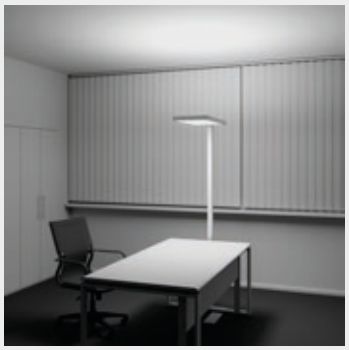

Flush membrane switch for easy operation

Sample product performance comparison with direct and indirect light emission

Length 4.0 m | Width 3.50 m | Height 2.80 m | Maintenance factor 0.80 | Working plane 0.75 m | Mounting Height 2.0 m

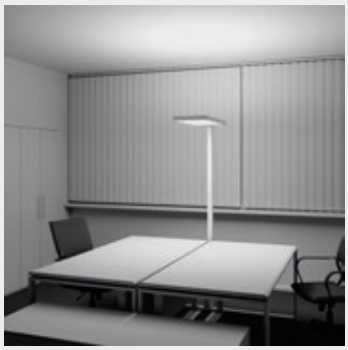
Single workplace

Reference number	**312398.002.1**
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**



Double workplace

Reference number	**312398.002.1**
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	**Em > 500 lx**





The application image shows:
LED it Strip
Pura S

© Linus Lintner

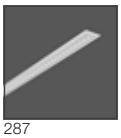

281

Alea Spot
280-281

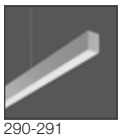

283


284

Less is more 21
282-285


287


288-289


290-291

Less is more 27
287-291


292

Less is more 27 Kristall
292-293


295


296


297-298

Less is more 50
294-299

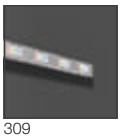

302-303


304-305

Less is more - Systeme
300-305


307

Linear System
306-307


309

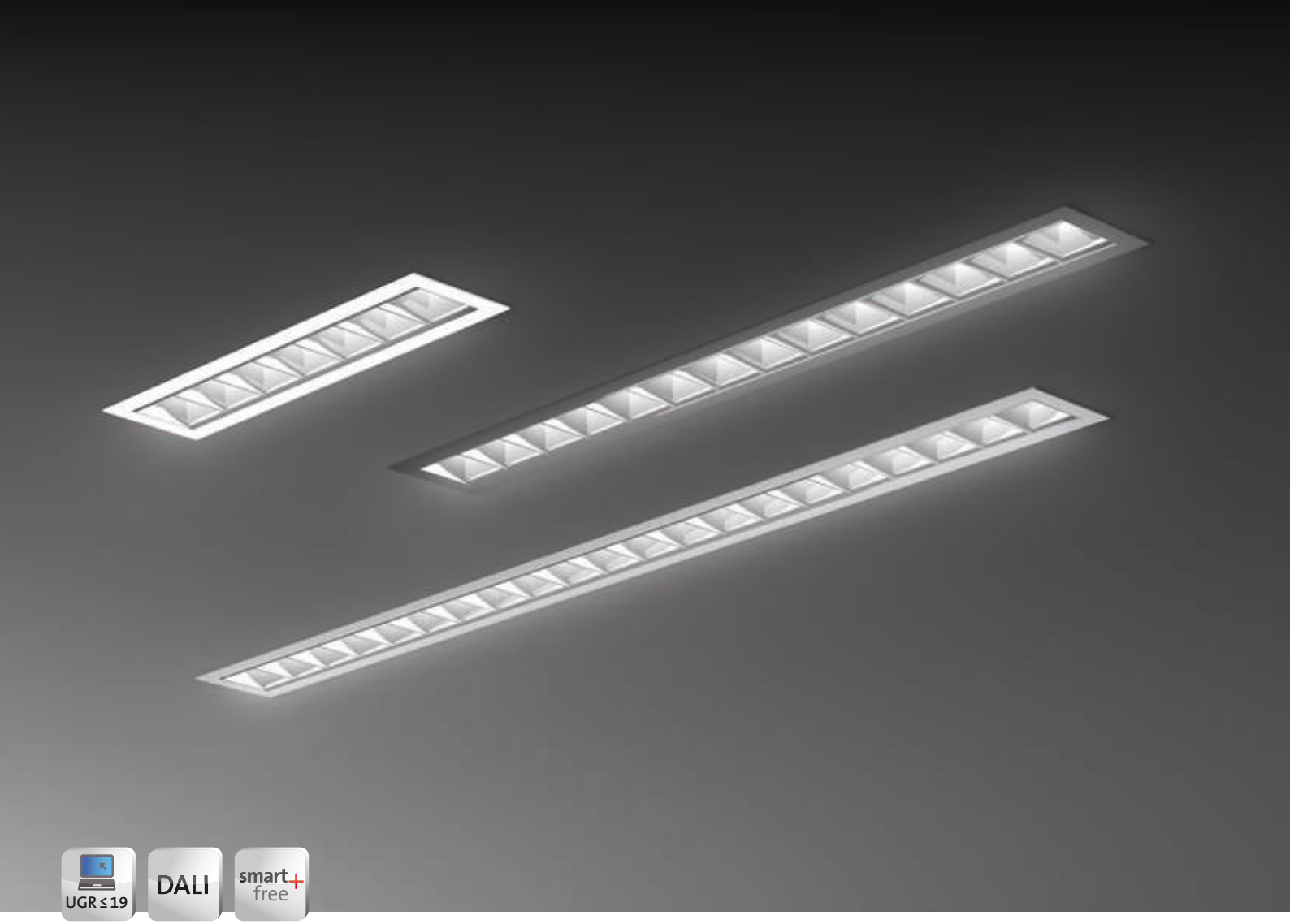
High Power
308-309


311

LED it Strip
310-311


312

Less is more Flex
312-317

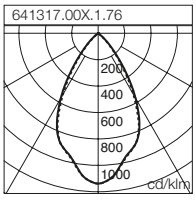


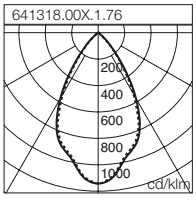
UGR ≤ 19 | DALI | smart+ free

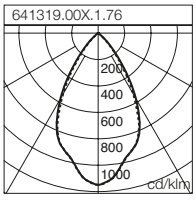
ALEA SPOT

Recessed ceiling luminaires

- Highly efficient LED luminaire
- Narrow beam version
- Alea optical system ideal for office areas (UGR ≤ 19) and computer workstations in accordance with EN 12464-1
- **Diffuser** made of **non-yellowing** plastic (**PMMA**) opal
- Flat design
- LED rated life 50,000 h (L80, B10)
- Luminous efficiency up to 130 lm/W



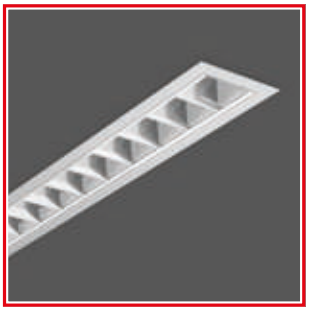




Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling luminaires | Alea Spot





Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm

Housing: powder-coated metal. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Ceiling installation with spring system. Incl. separate LED converter with connecting cable 550 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Recessed ceiling luminaires								**Price Category 21**
Length L 306 mm, LA 298 x BA 66 mm, HE 90 mm, HEL 35 mm								
641317.00X	L 306, B 75, H 2	LED	830	950 lm	8,2 W	16,7	on/off	A+
641317.00X.730	L 306, B 75, H 2	LED	830	950 lm	8,2 W	16,7	smart+free	A+
641317.00X.76	L 306, B 75, H 2	LED	830	950 lm	8,2 W	16,7	DALI	A+
641317.00X.1	L 306, B 75, H 2	LED	840	1000 lm	8,2 W	16,9	on/off	A+
641317.00X.1.730	L 306, B 75, H 2	LED	840	1000 lm	8,2 W	16,9	smart+free	A+
641317.00X.1.76	L 306, B 75, H 2	LED	840	1000 lm	8,2 W	16,9	DALI	A+
Length L 586 mm, LA 578 x BA 66 mm, HE 90 mm, HEL 35 mm								
641318.00X	L 586, B 75, H 2	LED	830	1900 lm	15 W	16,7	on/off	A+
641318.00X.730	L 586, B 75, H 2	LED	830	1900 lm	15 W	16,7	smart+free	A+
641318.00X.76	L 586, B 75, H 2	LED	830	1900 lm	15 W	16,7	DALI	A+
641318.00X.1	L 586, B 75, H 2	LED	840	1950 lm	15 W	16,8	on/off	A+
641318.00X.1.730	L 586, B 75, H 2	LED	840	1950 lm	15 W	16,8	smart+free	A+
641318.00X.1.76	L 586, B 75, H 2	LED	840	1950 lm	15 W	16,8	DALI	A+
Length L 866 mm, LA 858 x BA 66 mm, HE 90 mm, HEL 35 mm								
641319.00X	L 866, B 75, H 2	LED	830	2650 lm	21 W	16,4	on/off	A+
641319.00X.730	L 866, B 75, H 2	LED	830	2650 lm	21 W	16,4	smart+free	A+
641319.00X.76	L 866, B 75, H 2	LED	830	2650 lm	21 W	16,4	DALI	A+
641319.00X.1	L 866, B 75, H 2	LED	840	2750 lm	21 W	16,6	on/off	A+
641319.00X.1.730	L 866, B 75, H 2	LED	840	2750 lm	21 W	16,6	smart+free	A+
641319.00X.1.76	L 866, B 75, H 2	LED	840	2750 lm	21 W	16,6	DALI	A+

Comparison
LED vs. conventional lamps

LED 8,2 W ≈
1 x 14 W T16 (18 W EB)

LED 15 W ≈
1 x 21 W T16 (24 W EB)

LED 21 W ≈
1 x 35 W T16 (38 W EB)

ALEA OPTICAL SYSTEM

A brilliant example of the power of innovation:

The Alea optical system in the Alea Spot combines square reflector elements with a linear structure. The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

Highly efficient LED



Diffuser made of **non-yellowing** plastic (**PMMA**)



Reflector structure (ABS, Aluminium-coated, highly polished)



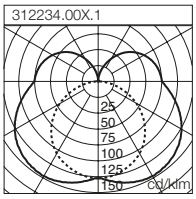


LESS IS MORE® 21

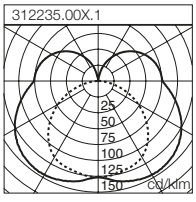
Ceiling and wall luminaires, Pendant luminaires

- LED luminaire with a minimalist design with light emission on three sides
- Profiles's surface made of anodised aluminium or white
- LED rated life 60,000 h (L80, B10)
- Luminous efficiency up to 102 lm/W
- **Diffuser** made of **non-yellowing** plastic (**PMMA**) opal
- As aesthetically sophisticated general lighting (corridors, hotel, shops, private areas) or accentuated lighting
- Colour consistency within 3-steps MacAdam (3 SDCM)

312234.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	7	9
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
7	10	17

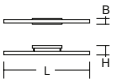


312235.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	13



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Less is more 21





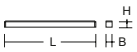
Type of Protection: IP 20
Protection Class: I

Housing extruded aluminium profile anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser: plastic (non-yellowing PMMA), opal. Converter integrated in the canopy.

Available colours (X): 0 = aluminium, anodised, 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires with canopy								**Price Category 21**
Length L 608 mm								
312232.00X	L 608, B 42, H 85	LED	830	1000 lm	11 W	23,5	on/off	A++
312232.00X.76	L 608, B 42, H 85	LED	830	1000 lm	11 W	23,5	DALI	A++
312232.00X.1	L 608, B 42, H 85	LED	840	1000 lm	11 W	23,3	on/off	A++
312232.00X.1.76	L 608, B 42, H 85	LED	840	1000 lm	11 W	23,3	DALI	A++
Length L 1008 mm								
312233.00X	L 1008, B 42, H 85	LED	830	1700 lm	17 W	23,4	on/off	A++
312233.00X.76	L 1008, B 42, H 85	LED	830	1700 lm	17 W	23,4	DALI	A++
312233.00X.1	L 1008, B 42, H 85	LED	840	1700 lm	17 W	23,4	on/off	A++
312233.00X.1.76	L 1008, B 42, H 85	LED	840	1700 lm	17 W	23,4	on/off	A++
Length L 1208 mm								
312234.00X	L 1208, B 42, H 85	LED	830	2050 lm	20 W	23,5	on/off	A++
312234.00X.76	L 1208, B 42, H 85	LED	830	2050 lm	20 W	23,5	DALI	A++
312234.00X.1	L 1208, B 42, H 85	LED	840	2050 lm	20 W	23,4	on/off	A++
312234.00X.1.76	L 1208, B 42, H 85	LED	840	2050 lm	20 W	23,4	DALI	A++
Length L 1508 mm								
312235.00X	L 1508, B 42, H 85	LED	830	2550 lm	25 W	23,5	on/off	A++
312235.00X.76	L 1508, B 42, H 85	LED	830	2550 lm	25 W	23,5	DALI	A++
312235.00X.1	L 1508, B 42, H 85	LED	840	2550 lm	25 W	23,4	on/off	A++
312235.00X.1.76	L 1508, B 42, H 85	LED	840	2550 lm	25 W	23,4	DALI	A++

Ceiling and wall luminaires | Less is more 21





Type of Protection: IP 20
Protection Class: II

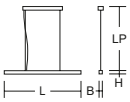
Housing extruded aluminium profile anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser: plastic (non-yellowing PMMA), opal. External driver with connecting cable.

Available colours (X): 0 = aluminium, anodised, 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires without canopy								**Price Category 21**
Length L 608 mm								
312236.00X	L 608, B 21, H 36	LED	830	1000 lm	11 W	23,5	on/off	A++
312236.00X.76	L 608, B 21, H 36	LED	830	1000 lm	11 W	23,5	DALI	A++
312236.00X.1	L 608, B 21, H 36	LED	840	1000 lm	11 W	23,3	on/off	A++
312236.00X.1.76	L 608, B 21, H 36	LED	840	1000 lm	11 W	23,3	DALI	A++
Length L 1008 mm								
312237.00X	L 1008, B 21, H 36	LED	830	1700 lm	17 W	23,4	on/off	A++
312237.00X.76	L 1008, B 21, H 36	LED	830	1700 lm	17 W	23,4	DALI	A++
312237.00X.1	L 1008, B 21, H 36	LED	840	1700 lm	17 W	23,4	on/off	A++
312237.00X.1.76	L 1008, B 21, H 36	LED	840	1700 lm	17 W	23,4	DALI	A++
Length L 1208 mm								
312238.00X	L 1208, B 21, H 36	LED	830	2050 lm	20 W	23,5	on/off	A++
312238.00X.76	L 1208, B 21, H 36	LED	830	2050 lm	20 W	23,5	DALI	A++
312238.00X.1	L 1208, B 21, H 36	LED	840	2050 lm	20 W	23,4	on/off	A++
312238.00X.1.76	L 1208, B 21, H 36	LED	840	2050 lm	20 W	23,4	DALI	A++
Length L 1508 mm								
312239.00X	L 1508, B 21, H 36	LED	830	2550 lm	25 W	23,5	on/off	A++
312239.00X.76	L 1508, B 21, H 36	LED	830	2550 lm	25 W	23,5	DALI	A++
312239.00X.1	L 1508, B 21, H 36	LED	840	2550 lm	25 W	23,4	on/off	A++
312239.00X.1.76	L 1508, B 21, H 36	LED	840	2550 lm	25 W	23,4	DALI	A++



Pendant luminaires | Less is more 21



Type of Protection: IP 20
Protection Class: I
Suspension Length: 100-1500 mm

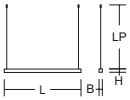
Housing extruded aluminium profile anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser: plastic (non-yellowing PMMA), opal. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Converter integrated in the canopy.

Available colours (X): 0 = aluminium, anodised, 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires with canopy								**Price Category 21**
Length L 1008 mm								
312226.00X	L 1008, B 21, H 36	LED	830	1700 lm	17 W	23,4	on/off	A++
312226.00X.76	L 1008, B 21, H 36	LED	830	1700 lm	17 W	23,4	DALI	A++
312226.00X.1	L 1008, B 21, H 36	LED	840	1700 lm	17 W	23,4	on/off	A++
312226.00X.1.76	L 1008, B 21, H 36	LED	840	1700 lm	17 W	23,4	DALI	A++
Length L 1208 mm								
312227.00X	L 1208, B 21, H 36	LED	830	2050 lm	20 W	23,5	on/off	A++
312227.00X.76	L 1208, B 21, H 36	LED	830	2050 lm	20 W	23,5	DALI	A++
312227.00X.1	L 1208, B 21, H 36	LED	840	2050 lm	20 W	23,4	on/off	A++
312227.00X.1.76	L 1208, B 21, H 36	LED	840	2050 lm	20 W	23,4	DALI	A++
Length L 1508 mm								
312228.00X	L 1508, B 21, H 36	LED	830	2550 lm	25 W	23,5	on/off	A++
312228.00X.76	L 1508, B 21, H 36	LED	830	2550 lm	25 W	23,5	DALI	A++
312228.00X.1	L 1508, B 21, H 36	LED	840	2550 lm	25 W	23,4	on/off	A++
312228.00X.1.76	L 1508, B 21, H 36	LED	840	2550 lm	25 W	23,4	DALI	A++



Pendant luminaires | Less is more 21



Type of Protection: IP 20
Protection Class: II
Suspension Length: 100-1500 mm

Housing extruded aluminium profile anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser: plastic (non-yellowing PMMA), opal. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. External driver with connecting cable.

Available colours (X): 0 = aluminium, anodised, 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires without canopy								**Price Category 21**
Length L 1008 mm								
312229.00X	L 1008, B 21, H 36	LED	830	1700 lm	17 W	23,4	on/off	A++
312229.00X.76	L 1008, B 21, H 36	LED	830	1700 lm	17 W	23,4	DALI	A++
312229.00X.1	L 1008, B 21, H 36	LED	840	1700 lm	17 W	23,4	on/off	A++
312229.00X.1.76	L 1008, B 21, H 36	LED	840	1700 lm	17 W	23,4	DALI	A++
Length L 1208 mm								
312230.00X	L 1208, B 21, H 36	LED	830	2050 lm	20 W	23,5	on/off	A++
312230.00X.76	L 1208, B 21, H 36	LED	830	2050 lm	20 W	23,5	DALI	A++
312230.00X.1	L 1208, B 21, H 36	LED	840	2050 lm	20 W	23,4	on/off	A++
312230.00X.1.76	L 1208, B 21, H 36	LED	840	2050 lm	20 W	23,4	DALI	A++
Length L 1508 mm								
312231.00X	L 1508, B 21, H 36	LED	830	2550 lm	25 W	23,5	on/off	A++
312231.00X.76	L 1508, B 21, H 36	LED	830	2550 lm	25 W	23,5	DALI	A++
312231.00X.1	L 1508, B 21, H 36	LED	840	2550 lm	25 W	23,4	on/off	A++
312231.00X.1.76	L 1508, B 21, H 36	LED	840	2550 lm	25 W	23,4	DALI	A++

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Less is more 21

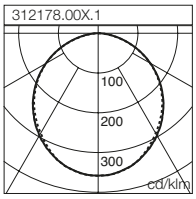


LESS IS MORE® 27

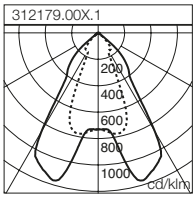
Recessed ceiling and wall luminaires, Ceiling and wall luminaires, Pendant luminaires

- LED luminaire with slim design
- LED rated life 60,000 h (L80, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- **Diffuser** made of **non-yellowing** plastic (**PMMA**) opal, micro prismatic or high polish aluminium micro-grid
- Version with micro-grid is suitable for office workplaces (UGR ≤19) and computer work-stations in accordance with EN 12464-1
- As aesthetically sophisticated general lighting (corridors, office and conference rooms, shops) or accentuated lighting

312178.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



312179.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6

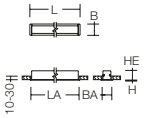


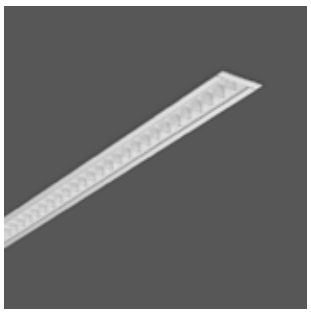


Further luminaires of this series, see:
Indoor lighting | Free-standing luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling and wall luminaires | Less is more 27





Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 10-30 mm

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal, or high polish aluminium micro grid (suitable for use in environments with computer screens in accordance with EN 12464-1). External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Recessed ceiling and wall luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 1014 mm, LA 1006 x BA 30 mm, HE 45 mm								
312176.00X.1	L 1014, B 38, H 2	LED	840	1950 lm	25 W	26,7	on/off	A++
312176.00X.1.76	L 1014, B 38, H 2	LED	840	1950 lm	25 W	26,7	DALI	A++
312176.00X	L 1014, B 38, H 2	LED	830	1950 lm	29 W	26,9	on/off	A+
312176.00X.76	L 1014, B 38, H 2	LED	830	1950 lm	29 W	26,9	DALI	A+
Length L 1514 mm, LA 1506 x BA 30 mm, HE 45 mm								
312178.00X.1	L 1514, B 38, H 2	LED	840	2900 lm	39 W	26,7	on/off	A++
312178.00X.1.76	L 1514, B 38, H 2	LED	840	2900 lm	39 W	26,7	DALI	A++
312178.00X	L 1514, B 38, H 2	LED	830	2900 lm	43 W	26,9	on/off	A+
312178.00X.76	L 1514, B 38, H 2	LED	830	2900 lm	43 W	26,9	DALI	A+
Aluminium micro-grid								
Length L 1014 mm, LA 1006 x BA 30 mm, HE 45 mm								
312177.00X.1	L 1014, B 38, H 2	LED	840	2400 lm	25 W	18,8	on/off	A++
312177.00X.1.76	L 1014, B 38, H 2	LED	840	2400 lm	25 W	18,8	DALI	A++
312177.00X	L 1014, B 38, H 2	LED	830	2400 lm	29 W	19,0	on/off	A+
312177.00X.76	L 1014, B 38, H 2	LED	830	2400 lm	29 W	19,0	DALI	A+
Length L 1514 mm, LA 1506 x BA 30 mm, HE 45 mm								
312179.00X.1	L 1514, B 38, H 2	LED	840	3600 lm	39 W	18,8	on/off	A++
312179.00X.1.76	L 1514, B 38, H 2	LED	840	3600 lm	39 W	18,8	DALI	A++
312179.00X	L 1514, B 38, H 2	LED	830	3600 lm	43 W	19,0	on/off	A+
312179.00X.76	L 1514, B 38, H 2	LED	830	3600 lm	43 W	19,0	DALI	A+

Diffuser plastic (PMMA): The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%.
You can find detailed information at www.rzb-lighting.com.


Diffuser: plastic (PMMA), opal

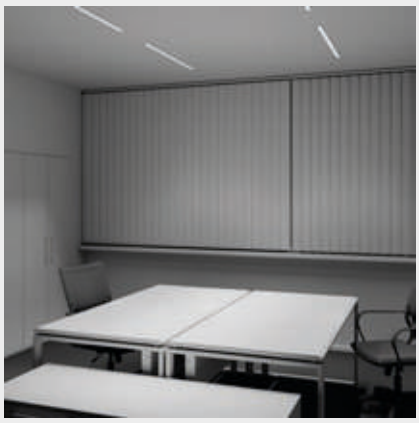

Aluminium micro-grid

Specimen product performance comparison

Length 4,0 m | Width 3,50 m | Height 2,80 m | Maintenance factor 0,80 | Working plane 0,75 m

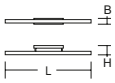
Office

Reference number	**312177.002.1.76**
Wattage	LED 25 W / 2400 lm
Number of luminaires	4
Average illuminance	**Em > 533 lx**





Ceiling and wall luminaires | Less is more 27



Type of Protection: IP 20
Protection Class: I

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or micro prismatic. Converter integrated in the canopy.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

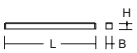
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires with canopy								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 1012 mm								
312190.00X.1	L 1012, B 42, H 88	LED	840	1950 lm	25 W	26,7	on/off	A++
312190.00X.1.76	L 1012, B 42, H 88	LED	840	1950 lm	25 W	26,7	DALI	A++
312190.00X	L 1012, B 42, H 88	LED	830	1950 lm	29 W	26,9	on/off	A+
312190.00X.76	L 1012, B 42, H 88	LED	830	1950 lm	29 W	26,9	DALI	A+
Length L 1212 mm								
312192.00X.1	L 1212, B 42, H 88	LED	840	2350 lm	31 W	26,7	on/off	A++
312192.00X.1.76	L 1212, B 42, H 88	LED	840	2350 lm	31 W	26,7	DALI	A++
312192.00X	L 1212, B 42, H 88	LED	830	2350 lm	35 W	26,9	on/off	A+
312192.00X.76	L 1212, B 42, H 88	LED	830	2350 lm	35 W	26,9	DALI	A+
Length L 1512 mm								
312194.00X.1	L 1512, B 42, H 88	LED	840	2900 lm	39 W	26,7	on/off	A++
312194.00X.1.76	L 1512, B 42, H 88	LED	840	2900 lm	39 W	26,7	DALI	A++
312194.00X	L 1512, B 42, H 88	LED	830	2900 lm	43 W	26,9	on/off	A+
312194.00X.76	L 1512, B 42, H 88	LED	830	2900 lm	43 W	26,9	DALI	A+
Diffuser plastic (PMMA) micro prismatic (only ceiling luminaire)								
Length L 1012 mm								
312191.00X.1	L 1012, B 42, H 88	LED	840	2150 lm	26 W	23,8	on/off	A++
312191.00X.1.76	L 1012, B 42, H 88	LED	840	2150 lm	26 W	23,8	DALI	A++
312191.00X	L 1012, B 42, H 88	LED	830	2150 lm	29 W	23,9	on/off	A+
312191.00X.76	L 1012, B 42, H 88	LED	830	2150 lm	29 W	23,9	DALI	A+
Length L 1212 mm								
312193.00X.1	L 1212, B 42, H 88	LED	840	2600 lm	31 W	23,8	on/off	A++
312193.00X.1.76	L 1212, B 42, H 88	LED	840	2600 lm	31 W	23,8	DALI	A++
312193.00X	L 1212, B 42, H 88	LED	830	2600 lm	34 W	23,9	on/off	A+
312193.00X.76	L 1212, B 42, H 88	LED	830	2600 lm	34 W	23,9	DALI	A+
Length L 1512 mm								
312195.00X.1	L 1512, B 42, H 88	LED	840	3250 lm	39 W	23,8	on/off	A++
312195.00X.1.76	L 1512, B 42, H 88	LED	840	3250 lm	39 W	23,8	DALI	A++
312195.00X	L 1512, B 42, H 88	LED	830	3250 lm	43 W	23,9	on/off	A+
312195.00X.76	L 1512, B 42, H 88	LED	830	3250 lm	43 W	23,9	DALI	A+

The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%.
You can find detailed information at www.rzb-lighting.com.


Diffuser: plastic (PMMA), opal


Diffuser plastic (PMMA) micro prismatic

Ceiling and wall luminaires | Less is more 27





Type of Protection: IP 20
Protection Class: II

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or micro prismatic. External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires without canopy								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 1012 mm								
312196.00X.1	L 1012, B 28, H 38	LED	840	1950 lm	25 W	26,7	on/off	A++
312196.00X.1.76	L 1012, B 28, H 38	LED	840	1950 lm	25 W	26,7	DALI	A++
312196.00X	L 1012, B 28, H 38	LED	830	1950 lm	29 W	26,9	on/off	A+
312196.00X.76	L 1012, B 28, H 38	LED	830	1950 lm	29 W	26,9	DALI	A+
Length L 1212 mm								
312198.00X.1	L 1212, B 28, H 38	LED	840	2350 lm	31 W	26,7	on/off	A++
312198.00X.1.76	L 1212, B 28, H 38	LED	840	2350 lm	31 W	26,7	DALI	A++
312198.00X	L 1212, B 28, H 38	LED	830	2350 lm	35 W	26,9	on/off	A+
312198.00X.76	L 1212, B 28, H 38	LED	830	2350 lm	35 W	26,9	DALI	A+
Length L 1512 mm								
312200.00X.1	L 1512, B 28, H 38	LED	840	2900 lm	39 W	26,7	on/off	A++
312200.00X.1.76	L 1512, B 28, H 38	LED	840	2900 lm	39 W	26,7	DALI	A++
312200.00X	L 1512, B 28, H 38	LED	830	2900 lm	43 W	26,9	on/off	A+
312200.00X.76	L 1512, B 28, H 38	LED	830	2900 lm	43 W	26,9	DALI	A+
Diffuser plastic (PMMA) micro prismatic (only ceiling luminaire)								
Length L 1012 mm								
312197.00X.1	L 1012, B 28, H 38	LED	840	2150 lm	26 W	23,8	on/off	A++
312197.00X.1.76	L 1012, B 28, H 38	LED	840	2150 lm	26 W	23,8	DALI	A++
312197.00X	L 1012, B 28, H 38	LED	830	2150 lm	29 W	23,9	on/off	A+
312197.00X.76	L 1012, B 28, H 38	LED	830	2150 lm	29 W	23,9	DALI	A+
Length L 1212 mm								
312199.00X.1	L 1212, B 28, H 38	LED	840	2600 lm	31 W	23,8	on/off	A++
312199.00X.1.76	L 1212, B 28, H 38	LED	840	2600 lm	31 W	23,8	DALI	A++
312199.00X	L 1212, B 28, H 38	LED	830	2600 lm	34 W	23,9	on/off	A+
312199.00X.76	L 1212, B 28, H 38	LED	830	2600 lm	34 W	23,9	DALI	A+
Length L 1512 mm								
312201.00X.1	L 1512, B 28, H 38	LED	840	3250 lm	39 W	23,8	on/off	A++
312201.00X.1.76	L 1512, B 28, H 38	LED	840	3250 lm	39 W	23,8	DALI	A++
312201.00X	L 1512, B 28, H 38	LED	830	3250 lm	43 W	23,9	on/off	A+
312201.00X.76	L 1512, B 28, H 38	LED	830	3250 lm	43 W	23,9	DALI	A+

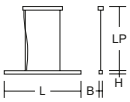
The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%.
You can find detailed information at www.rzb-lighting.com.


Diffuser: plastic (PMMA), opal


Diffuser plastic (PMMA) micro prismatic



Pendant luminaires | Less is more 27



Type of Protection: IP 20
Protection Class: I
Suspension Length: 100-1500 mm

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal, micro prismatic or high polish aluminium micro-grid (suitable for use in environments with computer screens in accordance with EN 12464-1). 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Converter integrated in the canopy.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires with canopy - Direct 60% - indirect 40% light emission								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 1012 mm								
312208.00X.1	L 1012, B 28, H 38	LED	840	2700 lm	34 W	23,9	on/off	A++
312208.00X.1.76	L 1012, B 28, H 38	LED	840	2700 lm	34 W	23,9	DALI	A++
312208.00X	L 1012, B 28, H 38	LED	830	2700 lm	37 W	24,0	on/off	A+
312208.00X.76	L 1012, B 28, H 38	LED	830	2700 lm	37 W	24,0	DALI	A+
Length L 1512 mm								
312210.00X.1	L 1512, B 28, H 38	LED	840	4000 lm	51 W	23,9	on/off	A++
312210.00X.1.76	L 1512, B 28, H 38	LED	840	4000 lm	51 W	23,9	DALI	A++
312210.00X	L 1512, B 28, H 38	LED	830	4000 lm	56 W	24,0	on/off	A+
312210.00X.76	L 1512, B 28, H 38	LED	830	4000 lm	56 W	24,0	DALI	A+
Diffuser plastic (PMMA) micro prismatic								
Length L 1012 mm								
312209.00X.1	L 1012, B 28, H 38	LED	840	3000 lm	34 W	21,3	on/off	A++
312209.00X.1.76	L 1012, B 28, H 38	LED	840	3000 lm	34 W	21,3	DALI	A++
312209.00X	L 1012, B 28, H 38	LED	830	3000 lm	37 W	21,5	on/off	A+
312209.00X.76	L 1012, B 28, H 38	LED	830	3000 lm	37 W	21,5	DALI	A+
Length L 1512 mm								
312211.00X.1	L 1512, B 28, H 38	LED	840	4500 lm	51 W	21,3	on/off	A++
312211.00X.1.76	L 1512, B 28, H 38	LED	840	4500 lm	51 W	21,3	DALI	A++
312211.00X	L 1512, B 28, H 38	LED	830	4500 lm	56 W	21,5	on/off	A+
312211.00X.76	L 1512, B 28, H 38	LED	830	4500 lm	56 W	21,5	DALI	A+
Aluminium micro-grid								
Length L 1512 mm								
312212.00X *	L 1512, B 28, H 38	LED	830	2800 lm	33 W	12,3	on/off	A++
312212.00X.76 *	L 1512, B 28, H 38	LED	830	2800 lm	33 W	12,3	DALI	A++
312212.00X.1 *	L 1512, B 28, H 38	LED	840	2800 lm	33 W	12,2	on/off	A++
312212.00X.1.76 *	L 1512, B 28, H 38	LED	840	2800 lm	33 W	12,2	DALI	A++
312213.00X	L 1512, B 28, H 38	LED	830	3700 lm	39 W	14,8	on/off	A++
312213.00X.76	L 1512, B 28, H 38	LED	830	3700 lm	39 W	14,8	DALI	A++
312213.00X.1	L 1512, B 28, H 38	LED	840	3700 lm	39 W	14,3	on/off	A++
312213.00X.1.76	L 1512, B 28, H 38	LED	840	3700 lm	39 W	14,3	DALI	A++

* Light emission directly 50% - indirectly 50%.

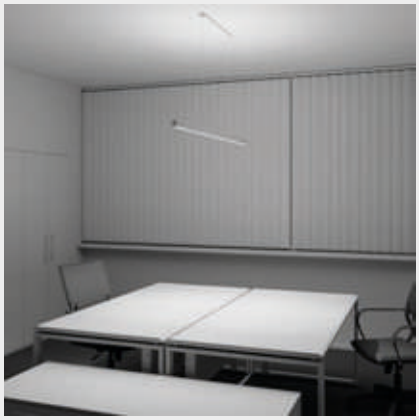
The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%.
You can find detailed information at www.rzb-lighting.com.

Specimen product performance comparison

Length 4,0 m | Width 3,50 m | Height 2,80 m | Maintenance factor 0,80 | Working plane 0,75 m | Mounting Height 1,8 m

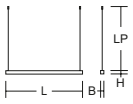
Double workplace

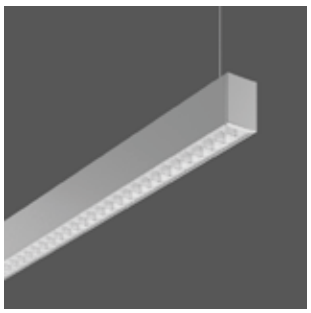
Reference number	**312213.002.1.76**
Wattage	LED 39 W / 3700 lm
Number of luminaires	1
Average illuminance	**Em > 596 lx**



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | Less is more 27





Type of Protection: IP 20
Protection Class: II
Suspension Length: 100-1500 mm

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal, micro prismatic or high polish aluminium micro-grid (suitable for use in environments with computer screens in accordance with EN 12464-1). 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires without canopy - Direct 60% - indirect 40% light emission								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 1012 mm								
312220.00X.1	L 1012, B 28, H 38	LED	840	2700 lm	34 W	23,8	on/off	A++
312220.00X.1.76	L 1012, B 28, H 38	LED	840	2700 lm	34 W	23,8	DALI	A++
312220.00X	L 1012, B 28, H 38	LED	830	2700 lm	37 W	24,0	on/off	A+
312220.00X.76	L 1012, B 28, H 38	LED	830	2700 lm	37 W	24,0	DALI	A+
Length L 1512 mm								
312222.00X.1	L 1512, B 28, H 38	LED	840	4000 lm	51 W	23,8	on/off	A++
312222.00X.1.76	L 1512, B 28, H 38	LED	840	4000 lm	51 W	23,8	DALI	A++
312222.00X	L 1512, B 28, H 38	LED	830	4000 lm	56 W	24,0	on/off	A+
312222.00X.76	L 1512, B 28, H 38	LED	830	4000 lm	56 W	24,0	DALI	A+
Diffuser plastic (PMMA) micro prismatic								
Length L 1012 mm								
312221.00X.1	L 1012, B 28, H 38	LED	840	3000 lm	34 W	21,3	on/off	A++
312221.00X.1.76	L 1012, B 28, H 38	LED	840	3000 lm	34 W	21,3	DALI	A++
312221.00X	L 1012, B 28, H 38	LED	830	3000 lm	37 W	21,5	on/off	A+
312221.00X.76	L 1012, B 28, H 38	LED	830	3000 lm	37 W	21,5	DALI	A+
Length L 1512 mm								
312223.00X.1	L 1512, B 28, H 38	LED	840	4500 lm	51 W	21,3	on/off	A++
312223.00X.1.76	L 1512, B 28, H 38	LED	840	4500 lm	51 W	21,3	DALI	A++
312223.00X	L 1512, B 28, H 38	LED	830	4500 lm	56 W	21,5	on/off	A+
312223.00X.76	L 1512, B 28, H 38	LED	830	4500 lm	56 W	21,5	DALI	A+
Aluminium micro-grid								
Length L 1512 mm								
312224.00X *	L 1512, B 28, H 38	LED	830	2800 lm	33 W	12,3	on/off	A++
312224.00X.76 *	L 1512, B 28, H 38	LED	830	2800 lm	33 W	12,3	DALI	A++
312224.00X.1 *	L 1512, B 28, H 38	LED	840	2800 lm	33 W	12,2	on/off	A++
312224.00X.1.76 *	L 1512, B 28, H 38	LED	840	2800 lm	33 W	12,2	DALI	A++
312225.00X	L 1512, B 28, H 38	LED	830	3700 lm	39 W	14,9	on/off	A++
312225.00X.76	L 1512, B 28, H 38	LED	830	3700 lm	39 W	14,9	DALI	A++
312225.00X.1	L 1512, B 28, H 38	LED	840	3700 lm	39 W	14,3	on/off	A++
312225.00X.1.76	L 1512, B 28, H 38	LED	840	3700 lm	39 W	14,3	DALI	A++

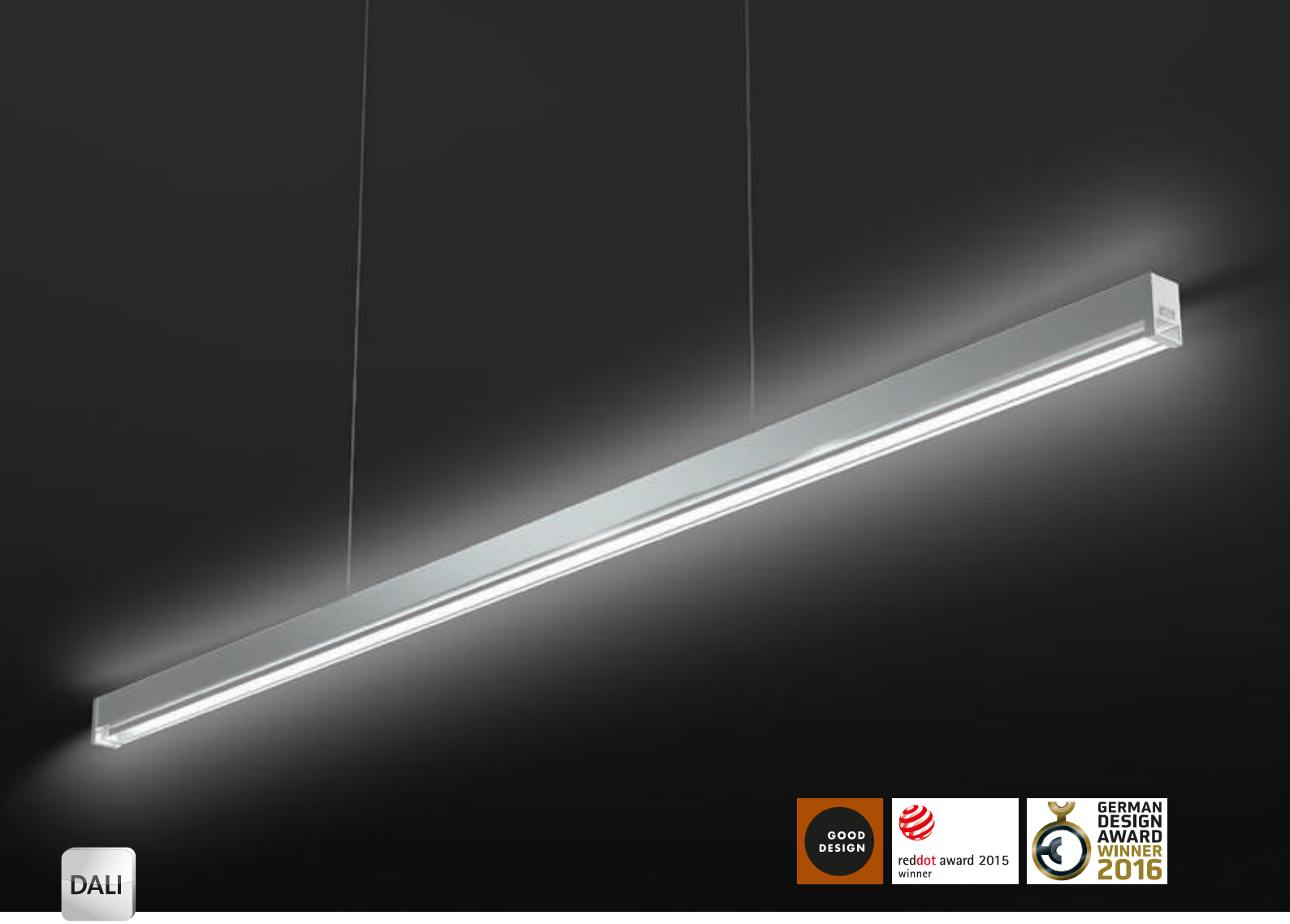
* Light emission directly 50% - indirectly 50%

The specified luminous flux refers to the white luminaire. With black and white aluminium, the luminous flux is reduced by approx. 20%.
You can find detailed information at www.rzb-lighting.com.


Diffuser: plastic (PMMA), opal

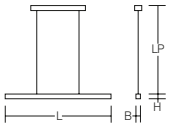

Diffuser plastic (PMMA) micro prismatic


Aluminium micro-grid





Pendant luminaires | Less is more 27 Kristall



Type of Protection: IP 20
Protection Class: I
Suspension Length: 100-1500 mm

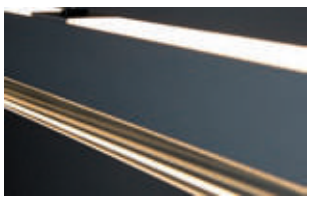
Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser (direct light emission): made by hand from tempered crystal glass, coated white (opal) on one side. Diffuser (indirect light emission): plastic (non-yellowing PMMA), opal. Power supply through suspension cable. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request. Converter integrated in the canopy.

Available colour: 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires								**Price Category 21**
Length L 909 mm								
312246.0045.1	L 909, B 28, H 54	LED	840	1550 lm	31 W	19,2	on/off	A++
312246.0045.1.76	L 909, B 28, H 54	LED	840	1550 lm	31 W	19,2	DALI	A++
312246.0045	L 909, B 28, H 54	LED	830	1550 lm	35 W	19,4	on/off	A+
312246.0045.76	L 909, B 28, H 54	LED	830	1550 lm	35 W	19,4	DALI	A+
Length L 1409 mm								
312247.0045.1	L 1409, B 28, H 54	LED	840	2600 lm	52 W	19,2	on/off	A++
312247.0045.1.76	L 1409, B 28, H 54	LED	840	2600 lm	52 W	19,2	DALI	A++
312247.0045	L 1409, B 28, H 54	LED	830	2600 lm	58 W	19,4	on/off	A+
312247.0045.76	L 1409, B 28, H 54	LED	830	2600 lm	58 W	19,4	DALI	A+


End caps overlap the profile


High-quality crystal glass cover (coated white on the inside)

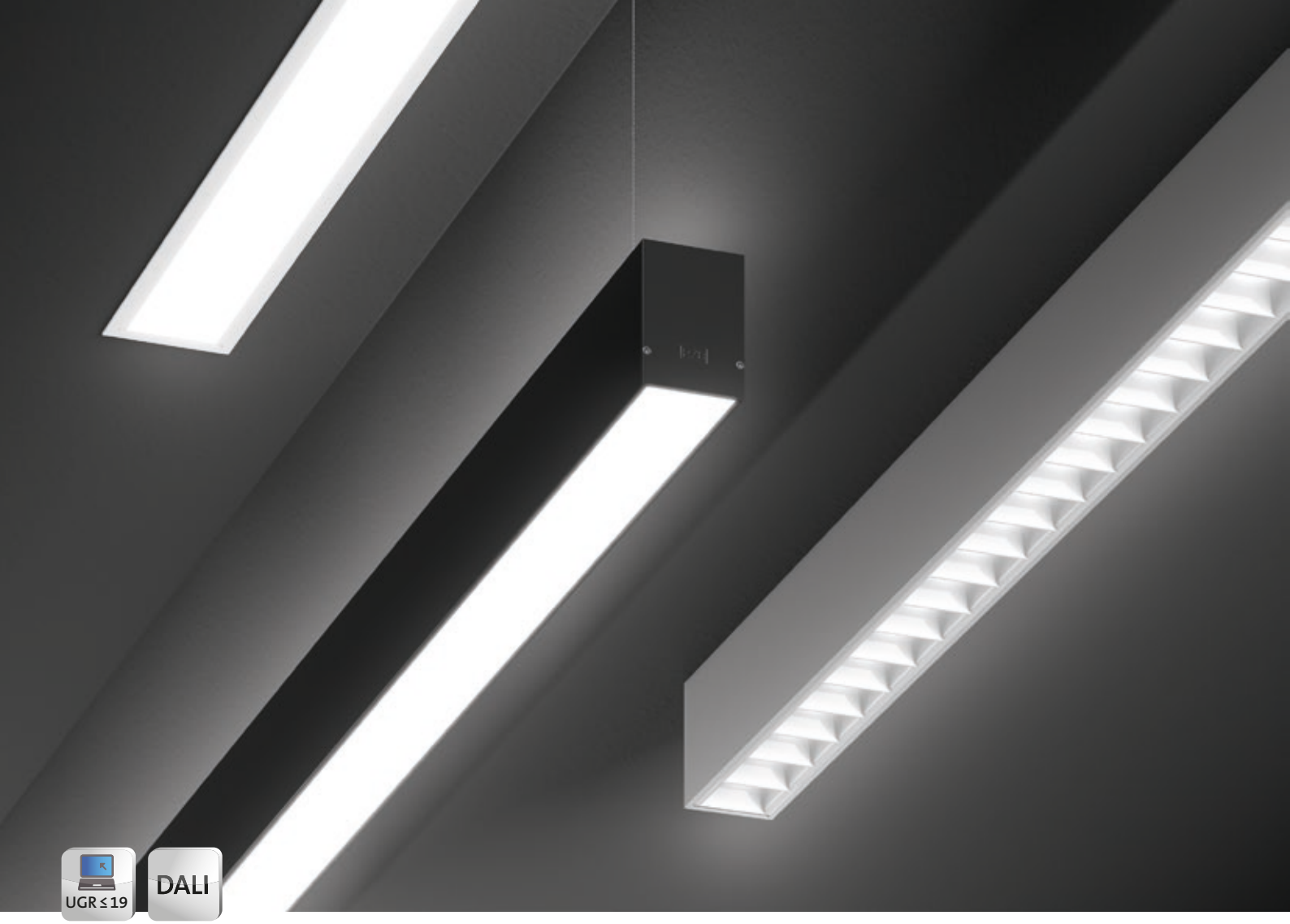

Indirect illumination with side light effect

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Less is more 27 Kristall



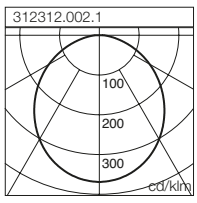
LESS IS MORE® 50

Recessed ceiling and wall luminaires, Ceiling and wall luminaires, Pendant luminaires

- Improved efficiency, up to 130 lm/W
- With integrated converter
- Optimized design
- Replaceable LED unit
- LED rated life 50,000 h (L80, B10)
- **Diffuser** made of **non-yellowing** plastic (**PMMA**) opal or Alea Optical system
- Narrow beam version
- Alea optical system ideal for office areas (UGR ≤ 19) and computer workstations in accordance with EN 12464-1
- Colour consistency within 3-steps MacAdam (3 SDCM)

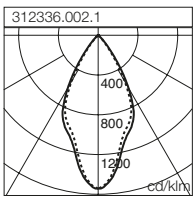
312312.002.1

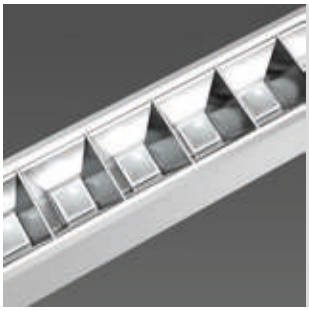
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8



312336.002.1

Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5





ALEA OPTICAL SYSTEM

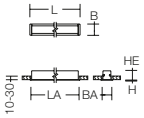
A brilliant example of the power of innovation:

The Alea optical system in the Less is more 50 combines square reflector elements with a linear structure.

The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling and wall luminaires | Less is more 50





Type of Protection: IP 20
Protection Class: I
Ceiling Thickness: 10-30 mm
Impact Protection: IK02

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). LED unit with integrated converter interchangeable and removable. With sensors or as a safety luminaire on request.

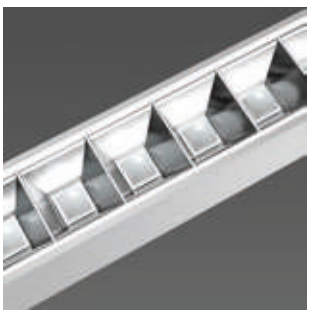
Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Recessed ceiling and wall luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 861 mm, LA 848 x BA 60 mm, HE 100 mm								
312323.00X	L 861, B 71, H 2	LED	830	2300 lm	22 W	25,7	on/off	A++
312323.00X.76	L 861, B 71, H 2	LED	830	2300 lm	22 W	25,7	DALI	A++
312323.00X.1	L 861, B 71, H 2	LED	840	2400 lm	22 W	25,9	on/off	A++
312323.00X.1.76	L 861, B 71, H 2	LED	840	2400 lm	22 W	25,9	DALI	A++
Length L 1141 mm, LA 1128 x BA 60 mm, HE 100 mm								
312324.00X	L 1141, B 71, H 2	LED	830	3100 lm	28 W	25,7	on/off	A++
312324.00X.76	L 1141, B 71, H 2	LED	830	3100 lm	28 W	25,7	DALI	A++
312324.00X.1	L 1141, B 71, H 2	LED	840	3250 lm	28 W	25,9	on/off	A++
312324.00X.1.76	L 1141, B 71, H 2	LED	840	3250 lm	28 W	25,9	DALI	A++
Length L 1421 mm, LA 1408 x BA 60 mm, HE 100 mm								
312325.00X	L 1421, B 71, H 2	LED	830	3850 lm	34 W	25,7	on/off	A++
312325.00X.76	L 1421, B 71, H 2	LED	830	3850 lm	34 W	25,7	DALI	A++
312325.00X.1	L 1421, B 71, H 2	LED	840	4050 lm	34 W	25,9	on/off	A++
312325.00X.1.76	L 1421, B 71, H 2	LED	840	4050 lm	34 W	25,9	DALI	A++
Length L 1701 mm, LA 1688 x BA 60 mm, HE 100 mm								
312326.00X	L 1701, B 71, H 2	LED	830	4650 lm	40 W	25,7	on/off	A++
312326.00X.76	L 1701, B 71, H 2	LED	830	4650 lm	40 W	25,7	DALI	A++
312326.00X.1	L 1701, B 71, H 2	LED	840	4850 lm	40 W	25,8	on/off	A++
312326.00X.1.76	L 1701, B 71, H 2	LED	840	4850 lm	40 W	25,8	DALI	A++
Length L 1981 mm, LA 1968 x BA 60 mm, HE 100 mm								
312327.00X	L 1981, B 71, H 2	LED	830	5400 lm	47 W	25,7	on/off	A++
312327.00X.76	L 1981, B 71, H 2	LED	830	5400 lm	47 W	25,7	DALI	A++
312327.00X.1	L 1981, B 71, H 2	LED	840	5650 lm	47 W	25,8	on/off	A++
312327.00X.1.76	L 1981, B 71, H 2	LED	840	5650 lm	47 W	25,8	DALI	A++
Alea optical system								
Length L 861 mm, LA 848 x BA 60 mm, HE 100 mm								
312347.00X	L 861, B 71, H 2	LED	830	2500 lm	22 W	14,7	on/off	A+
312347.00X.76	L 861, B 71, H 2	LED	830	2500 lm	22 W	14,7	DALI	A+
312347.00X.1	L 861, B 71, H 2	LED	840	2650 lm	22 W	14,9	on/off	A+
312347.00X.1.76	L 861, B 71, H 2	LED	840	2650 lm	22 W	14,9	DALI	A+
Length L 1141 mm, LA 1128 x BA 60 mm, HE 100 mm								
312348.00X	L 1141, B 71, H 2	LED	830	3350 lm	28 W	14,7	on/off	A+
312348.00X.76	L 1141, B 71, H 2	LED	830	3350 lm	28 W	14,7	DALI	A+
312348.00X.1	L 1141, B 71, H 2	LED	840	3550 lm	28 W	14,9	on/off	A+
312348.00X.1.76	L 1141, B 71, H 2	LED	840	3550 lm	28 W	14,9	DALI	A+
Length L 1421 mm, LA 1408 x BA 60 mm, HE 100 mm								
312349.00X	L 1421, B 71, H 2	LED	830	4200 lm	35 W	14,7	on/off	A+
312349.00X.76	L 1421, B 71, H 2	LED	830	4200 lm	35 W	14,7	DALI	A+
312349.00X.1	L 1421, B 71, H 2	LED	840	4450 lm	35 W	14,9	on/off	A+
312349.00X.1.76	L 1421, B 71, H 2	LED	840	4450 lm	35 W	14,9	DALI	A+
Length L 1701 mm, LA 1688 x BA 60 mm, HE 100 mm								
312350.00X	L 1701, B 71, H 2	LED	830	5050 lm	41 W	14,7	on/off	A+
312350.00X.76	L 1701, B 71, H 2	LED	830	5050 lm	41 W	14,7	DALI	A+
312350.00X.1	L 1701, B 71, H 2	LED	840	5300 lm	41 W	14,9	on/off	A+
312350.00X.1.76	L 1701, B 71, H 2	LED	840	5300 lm	41 W	14,9	DALI	A+
Length L 1981 mm, LA 1968 x BA 60 mm, HE 100 mm								
312351.00X	L 1981, B 71, H 2	LED	830	5900 lm	48 W	14,7	on/off	A+
312351.00X.76	L 1981, B 71, H 2	LED	830	5900 lm	48 W	14,7	DALI	A+
312351.00X.1	L 1981, B 71, H 2	LED	840	6200 lm	48 W	14,9	on/off	A+
312351.00X.1.76	L 1981, B 71, H 2	LED	840	6200 lm	48 W	14,9	DALI	A+

Diffuser: plastic (PMMA): The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%. You can find detailed information at www.rzb-lighting.com.



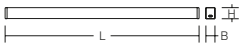
Diffuser: plastic (PMMA), opal



Alea optical system



Ceiling and wall luminaires | Less is more 50



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). LED unit with integrated converter interchangeable and removable. With sensors or as a safety luminaire on request.

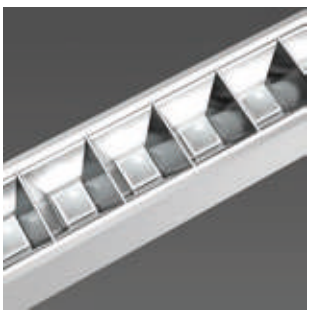
Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Ceiling and wall luminaires								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 847 mm								
312305.00X	L 847, B 57, H 75	LED	830	2300 lm	22 W	25,7	on/off	A++
312305.00X.76	L 847, B 57, H 75	LED	830	2300 lm	22 W	25,7	DALI	A++
312305.00X.1	L 847, B 57, H 75	LED	840	2400 lm	22 W	25,9	on/off	A++
312305.00X.1.76	L 847, B 57, H 75	LED	840	2400 lm	22 W	25,9	DALI	A++
Length L 1127 mm								
312306.00X	L 1127, B 57, H 75	LED	830	3100 lm	28 W	25,7	on/off	A++
312306.00X.76	L 1127, B 57, H 75	LED	830	3100 lm	28 W	25,7	DALI	A++
312306.00X.1	L 1127, B 57, H 75	LED	840	3250 lm	28 W	25,9	on/off	A++
312306.00X.1.76	L 1127, B 57, H 75	LED	840	3250 lm	28 W	25,9	DALI	A++
Length L 1407 mm								
312307.00X	L 1407, B 57, H 75	LED	830	3850 lm	34 W	25,7	on/off	A++
312307.00X.76	L 1407, B 57, H 75	LED	830	3850 lm	34 W	25,7	DALI	A++
312307.00X.1	L 1407, B 57, H 75	LED	840	4050 lm	34 W	25,9	on/off	A++
312307.00X.1.76	L 1407, B 57, H 75	LED	840	4050 lm	34 W	25,9	DALI	A++
Length L 1687 mm								
312308.00X	L 1687, B 57, H 75	LED	830	4650 lm	40 W	25,7	on/off	A++
312308.00X.76	L 1687, B 57, H 75	LED	830	4650 lm	40 W	25,7	DALI	A++
312308.00X.1	L 1687, B 57, H 75	LED	840	4850 lm	40 W	25,8	on/off	A++
312308.00X.1.76	L 1687, B 57, H 75	LED	840	4850 lm	40 W	25,8	DALI	A++
Length L 1967 mm								
312309.00X	L 1967, B 57, H 75	LED	830	5400 lm	47 W	25,7	on/off	A++
312309.00X.76	L 1967, B 57, H 75	LED	830	5400 lm	47 W	25,7	DALI	A++
312309.00X.1	L 1967, B 57, H 75	LED	840	5650 lm	47 W	25,8	on/off	A++
312309.00X.1.76	L 1967, B 57, H 75	LED	840	5650 lm	47 W	25,8	DALI	A++
Alea optical system								
Length L 847 mm								
312329.00X	L 847, B 57, H 75	LED	830	2500 lm	22 W	14,7	on/off	A+
312329.00X.76	L 847, B 57, H 75	LED	830	2500 lm	22 W	14,7	DALI	A+
312329.00X.1	L 847, B 57, H 75	LED	840	2650 lm	22 W	14,9	on/off	A+
312329.00X.1.76	L 847, B 57, H 75	LED	840	2650 lm	22 W	14,9	DALI	A+
Length L 1127 mm								
312330.00X	L 1127, B 57, H 75	LED	830	3350 lm	28 W	14,7	on/off	A+
312330.00X.76	L 1127, B 57, H 75	LED	830	3350 lm	28 W	14,7	DALI	A+
312330.00X.1	L 1127, B 57, H 75	LED	840	3550 lm	28 W	14,9	on/off	A+
312330.00X.1.76	L 1127, B 57, H 75	LED	840	3550 lm	28 W	14,9	DALI	A+
Length L 1407 mm								
312331.00X	L 1407, B 57, H 75	LED	830	4200 lm	35 W	14,7	on/off	A+
312331.00X.76	L 1407, B 57, H 75	LED	830	4200 lm	35 W	14,7	DALI	A+
312331.00X.1	L 1407, B 57, H 75	LED	840	4450 lm	35 W	14,9	on/off	A+
312331.00X.1.76	L 1407, B 57, H 75	LED	840	4450 lm	35 W	14,9	DALI	A+
Length L 1687 mm								
312332.00X	L 1687, B 57, H 75	LED	830	5050 lm	41 W	14,7	on/off	A+
312332.00X.76	L 1687, B 57, H 75	LED	830	5050 lm	41 W	14,7	DALI	A+
312332.00X.1	L 1687, B 57, H 75	LED	840	5300 lm	41 W	14,9	on/off	A+
312332.00X.1.76	L 1687, B 57, H 75	LED	840	5300 lm	41 W	14,9	DALI	A+
Length L 1967 mm								
312333.00X	L 1967, B 57, H 75	LED	830	5900 lm	48 W	14,7	on/off	A+
312333.00X.76	L 1967, B 57, H 75	LED	830	5900 lm	48 W	14,7	DALI	A+
312333.00X.1	L 1967, B 57, H 75	LED	840	6200 lm	48 W	14,9	on/off	A+
312333.00X.1.76	L 1967, B 57, H 75	LED	840	6200 lm	48 W	14,9	DALI	A+

Diffuser: plastic (PMMA): The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%. You can find detailed information at www.rzb-lighting.com.



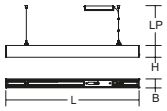
Diffuser: plastic (PMMA), opal



Alea optical system

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | Less is more 50





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 2000 mm

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). LED unit with integrated converter interchangeable and removable. 2-point steel cable suspension freely positionable and infinitely height-adjustable (special lengths on request). Canopy: aluminium, powder-coated. With sensors or as a safety luminaire on request.

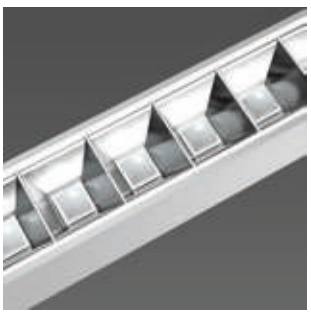
Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires - Direct light emission								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 847 mm								
312311.00X	L 847, B 57, H 75	LED	830	2300 lm	22 W	25,7	on/off	A++
312311.00X.76	L 847, B 57, H 75	LED	830	2300 lm	22 W	25,7	DALI	A++
312311.00X.1	L 847, B 57, H 75	LED	840	2400 lm	22 W	25,9	on/off	A++
312311.00X.1.76	L 847, B 57, H 75	LED	840	2400 lm	22 W	25,9	DALI	A++
Length L 1127 mm								
312312.00X	L 1127, B 57, H 75	LED	830	3100 lm	28 W	25,7	on/off	A++
312312.00X.76	L 1127, B 57, H 75	LED	830	3100 lm	28 W	25,7	DALI	A++
312312.00X.1	L 1127, B 57, H 75	LED	840	3250 lm	28 W	25,9	on/off	A++
312312.00X.1.76	L 1127, B 57, H 75	LED	840	3250 lm	28 W	25,9	DALI	A++
Length L 1407 mm								
312313.00X	L 1407, B 57, H 75	LED	830	3850 lm	34 W	25,7	on/off	A++
312313.00X.76	L 1407, B 57, H 75	LED	830	3850 lm	34 W	25,7	DALI	A++
312313.00X.1	L 1407, B 57, H 75	LED	840	4050 lm	34 W	25,9	on/off	A++
312313.00X.1.76	L 1407, B 57, H 75	LED	840	4050 lm	34 W	25,9	DALI	A++
Length L 1687 mm								
312314.00X	L 1687, B 57, H 75	LED	830	4650 lm	40 W	25,7	on/off	A++
312314.00X.76	L 1687, B 57, H 75	LED	830	4650 lm	40 W	25,7	DALI	A++
312314.00X.1	L 1687, B 57, H 75	LED	840	4850 lm	40 W	25,8	on/off	A++
312314.00X.1.76	L 1687, B 57, H 75	LED	840	4850 lm	40 W	25,8	DALI	A++
Length L 1967 mm								
312315.00X	L 1967, B 57, H 75	LED	830	5400 lm	47 W	25,7	on/off	A++
312315.00X.76	L 1967, B 57, H 75	LED	830	5400 lm	47 W	25,7	DALI	A++
312315.00X.1	L 1967, B 57, H 75	LED	840	5650 lm	47 W	25,8	on/off	A++
312315.00X.1.76	L 1967, B 57, H 75	LED	840	5650 lm	47 W	25,8	DALI	A++
Alea optical system								
Length L 847 mm								
312335.00X	L 847, B 57, H 75	LED	830	2500 lm	22 W	14,7	on/off	A+
312335.00X.76	L 847, B 57, H 75	LED	830	2500 lm	22 W	14,7	DALI	A+
312335.00X.1	L 847, B 57, H 75	LED	840	2650 lm	22 W	14,9	on/off	A+
312335.00X.1.76	L 847, B 57, H 75	LED	840	2650 lm	22 W	14,9	DALI	A+
Length L 1127 mm								
312336.00X	L 1127, B 57, H 75	LED	830	3350 lm	28 W	14,7	on/off	A+
312336.00X.76	L 1127, B 57, H 75	LED	830	3350 lm	28 W	14,7	DALI	A+
312336.00X.1	L 1127, B 57, H 75	LED	840	3550 lm	28 W	14,9	on/off	A+
312336.00X.1.76	L 1127, B 57, H 75	LED	840	3550 lm	28 W	14,9	DALI	A+
Length L 1407 mm								
312337.00X	L 1407, B 57, H 75	LED	830	4200 lm	35 W	14,7	on/off	A+
312337.00X.76	L 1407, B 57, H 75	LED	830	4200 lm	35 W	14,7	DALI	A+
312337.00X.1	L 1407, B 57, H 75	LED	840	4450 lm	35 W	14,9	on/off	A+
312337.00X.1.76	L 1407, B 57, H 75	LED	840	4450 lm	35 W	14,9	DALI	A+
Length L 1687 mm								
312338.00X	L 1687, B 57, H 75	LED	830	5050 lm	41 W	14,7	on/off	A+
312338.00X.76	L 1687, B 57, H 75	LED	830	5050 lm	41 W	14,7	DALI	A+
312338.00X.1	L 1687, B 57, H 75	LED	840	5300 lm	41 W	14,9	on/off	A+
312338.00X.1.76	L 1687, B 57, H 75	LED	840	5300 lm	41 W	14,9	DALI	A+
Length L 1967 mm								
312339.00X	L 1967, B 57, H 75	LED	830	5900 lm	48 W	14,7	on/off	A+
312339.00X.76	L 1967, B 57, H 75	LED	830	5900 lm	48 W	14,7	DALI	A+
312339.00X.1	L 1967, B 57, H 75	LED	840	6200 lm	48 W	14,9	on/off	A+
312339.00X.1.76	L 1967, B 57, H 75	LED	840	6200 lm	48 W	14,9	DALI	A+

Diffuser: plastic (PMMA): The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%.
You can find detailed information at www.rzb-lighting.com.



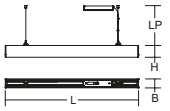
Diffuser: plastic (PMMA), opal



Alea optical system



Pendant luminaires | Less is more 50



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02
Suspension Length: 2000 mm

Housing: aluminium extrusion profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal or **Alea Optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (suitable for use in environments with computer screens in accordance with EN 12464-1). LED unit with integrated converter interchangeable and removable. 2-point steel cable suspension freely positionable and infinitely height-adjustable (special lengths on request). Canopy: aluminium, powder-coated. With sensors or as a safety luminaire on request.

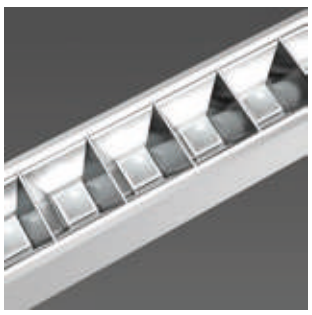
Available colours (X): 2 = white, 3 = black, 45 = white aluminium

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Pendant luminaires - Direct 65% - indirect 35% light emission								**Price Category 21**
Diffuser: plastic (PMMA), opal								
Length L 847 mm								
312317.00X	L 847, B 57, H 75	LED	830	3850 lm	34 W	23,3	on/off	A++
312317.00X.76	L 847, B 57, H 75	LED	830	3850 lm	34 W	23,3	DALI	A++
312317.00X.1	L 847, B 57, H 75	LED	840	4000 lm	34 W	23,5	on/off	A++
312317.00X.1.76	L 847, B 57, H 75	LED	840	4000 lm	34 W	23,5	DALI	A++
Length L 1127 mm								
312318.00X	L 1127, B 57, H 75	LED	830	4600 lm	40 W	23,0	on/off	A++
312318.00X.76	L 1127, B 57, H 75	LED	830	4600 lm	40 W	23,0	DALI	A++
312318.00X.1	L 1127, B 57, H 75	LED	840	4800 lm	40 W	23,1	on/off	A++
312318.00X.1.76	L 1127, B 57, H 75	LED	840	4800 lm	40 W	23,1	DALI	A++
Length L 1407 mm								
312319.00X	L 1407, B 57, H 75	LED	830	6150 lm	52 W	23,2	on/off	A++
312319.00X.76	L 1407, B 57, H 75	LED	830	6150 lm	52 W	23,2	DALI	A++
312319.00X.1	L 1407, B 57, H 75	LED	840	6450 lm	52 W	23,3	on/off	A++
312319.00X.1.76	L 1407, B 57, H 75	LED	840	6450 lm	52 W	23,3	DALI	A++
Length L 1687 mm								
312320.00X	L 1687, B 57, H 75	LED	830	6900 lm	59 W	22,9	on/off	A++
312320.00X.76	L 1687, B 57, H 75	LED	830	6900 lm	59 W	22,9	DALI	A++
312320.00X.1	L 1687, B 57, H 75	LED	840	7250 lm	59 W	23,1	on/off	A++
312320.00X.1.76	L 1687, B 57, H 75	LED	840	7250 lm	59 W	23,1	DALI	A++
Length L 1967 mm								
312321.00X	L 1967, B 57, H 75	LED	830	8450 lm	74 W	23,1	on/off	A++
312321.00X.76	L 1967, B 57, H 75	LED	830	8450 lm	74 W	23,1	DALI	A++
312321.00X.1	L 1967, B 57, H 75	LED	840	8850 lm	74 W	23,2	on/off	A++
312321.00X.1.76	L 1967, B 57, H 75	LED	840	8850 lm	74 W	23,2	DALI	A++
Alea optical system								
Length L 847 mm								
312341.00X	L 847, B 57, H 75	LED	830	3950 lm	35 W	11,8	on/off	A+
312341.00X.76	L 847, B 57, H 75	LED	830	3950 lm	35 W	11,8	DALI	A+
312341.00X.1	L 847, B 57, H 75	LED	840	4200 lm	35 W	12,0	on/off	A+
312341.00X.1.76	L 847, B 57, H 75	LED	840	4200 lm	35 W	12,0	DALI	A+
Length L 1127 mm								
312342.00X	L 1127, B 57, H 75	LED	830	4800 lm	46 W	11,5	on/off	A+
312342.00X.76	L 1127, B 57, H 75	LED	830	4800 lm	46 W	11,5	DALI	A+
312342.00X.1	L 1127, B 57, H 75	LED	840	5050 lm	46 W	11,7	on/off	A+
312342.00X.1.76	L 1127, B 57, H 75	LED	840	5050 lm	46 W	11,7	DALI	A+
Length L 1407 mm								
312343.00X	L 1407, B 57, H 75	LED	830	6400 lm	58 W	11,7	on/off	A+
312343.00X.76	L 1407, B 57, H 75	LED	830	6400 lm	58 W	11,7	DALI	A+
312343.00X.1	L 1407, B 57, H 75	LED	840	6700 lm	58 W	11,9	on/off	A+
312343.00X.1.76	L 1407, B 57, H 75	LED	840	6700 lm	58 W	11,9	DALI	A+
Length L 1687 mm								
312344.00X	L 1687, B 57, H 75	LED	830	7200 lm	64 W	11,5	on/off	A+
312344.00X.76	L 1687, B 57, H 75	LED	830	7200 lm	64 W	11,5	DALI	A+
312344.00X.1	L 1687, B 57, H 75	LED	840	7600 lm	64 W	11,6	on/off	A+
312344.00X.1.76	L 1687, B 57, H 75	LED	840	7600 lm	64 W	11,6	DALI	A+
Length L 1967 mm								
312345.00X	L 1967, B 57, H 75	LED	830	8800 lm	76 W	11,6	on/off	A+
312345.00X.76	L 1967, B 57, H 75	LED	830	8800 lm	76 W	11,6	DALI	A+
312345.00X.1	L 1967, B 57, H 75	LED	840	9250 lm	76 W	11,8	on/off	A+
312345.00X.1.76	L 1967, B 57, H 75	LED	840	9250 lm	76 W	11,8	DALI	A+

The specified luminous flux refers to the white and white aluminium luminaire. With black, the luminous flux is reduced by approx. 10%.
You can find detailed information at www.rzb-lighting.com.



Diffuser: plastic (PMMA), opal



Alea optical system

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



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The application image shows:
Less is more 50



DALI

LESS IS MORE® - SYSTEMS

Pendant luminaires, recessed ceiling and wall luminaires, ceiling and wall luminaires

- Continuous line of light up to 50 m
- Gapless, mechanical and electrical connection
- Configurator for planning linear luminaire systems
- Different forms can be configured
- As aesthetically sophisticated general lighting (corridors, hotel, shops, private areas) or accentuated lighting
- Colour consistency within 3-steps MacAdam (3 SDCM)

Planning was never so easy!

With the RZB configurator you can plan your luminaire system quickly, safely and creatively.

✔ Free configuration of your luminaire system

✔ Direct price information and material configuration

✔ Including an installation drawing of your luminaire system in DXF format

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



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The application image shows:
Less is more 27

LESS IS MORE® 27 - SYSTEMS

Details at a glance

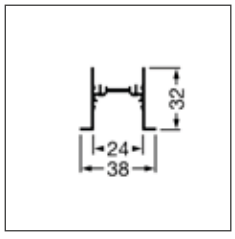


The LED system with slim design

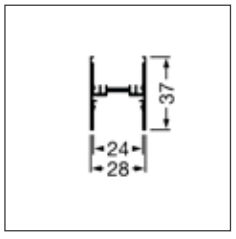
- Continuous line of light up to 50 m
- External driver with connecting cable
- Luminous fluxes up to 3000 lm/m
- LED rated life 60,000 h (L80, B10)

	Less is more 27 - System
Typ of installation	
recessed	✓
surface mounted	✓
suspended	✓
Light emission	
direct	✓
direct/indirect	✓
Colour	
white	✓
white aluminium	✓
black	✓
Cover	
opal	✓
micro prismatic	✓
Alea optical system (UGR ≤ 19)	–
Switching modes	
on/off	✓
DALI	✓
Light colours	
830	✓
840	✓
Driver	
external	✓
internally	–
Forms	
„LOUI“	✓
„△Z“	on request

recessed



pendant | surface mounted



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Types of installation



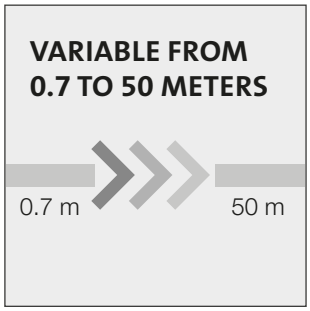




Pendant, surface mounted and recessed

The three types of installation, pendant, surface mounting and flush mounting, offer very much freedom of design in your planning.

Modules



Through sub-modules, which are available from 700 - 2,000 mm, all system sizes (divisible every 100 mm) can be put together to a total length of 50 m.

This would always offer you the desired length in the project.

End cap



Since the end cap is suitable for all profiles and covers, your system has a finish without any light leakage.

Connection



Gapless, mechanical and electrical connection

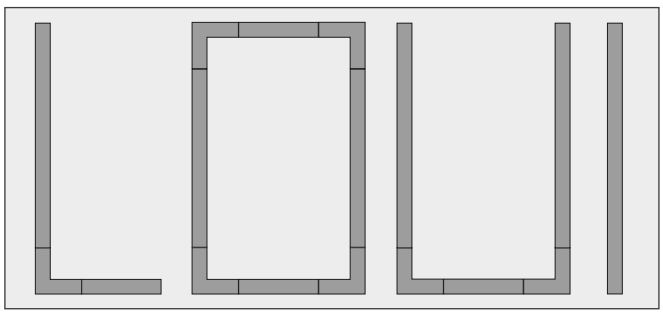
The mechanical connection between the individual profiles guarantees stability and safety. This is invisibly integrated in the profile, so that an uninterrupted light line without light leakage is created.



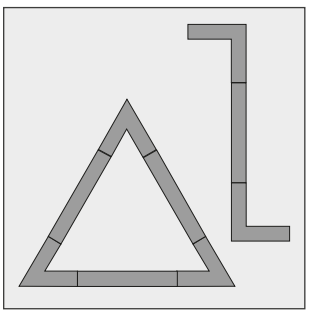
Cross-profile corner mounting

The prefabricated corner element with an aluminium ridge across all covers prevents light leakage and thus guarantees a harmonious and fully illuminated corner situation.

Design examples



On request



60° angle for triangle or
90° for Z form

LESS IS MORE® 50 - SYSTEMS

Details at a glance

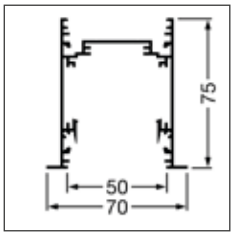


The LED system reduced to the essentials

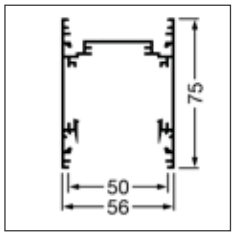
- Continuous line of light up to 50 m
- Integral driver
- Replaceable LED unit
- Internal through-wiring
- Luminous fluxes up to 4700 lm/m
- LED rated life 50,000 h (L80, B10)
- Alea optical system: Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1

	Less is more 50 - System
Typ of installation	
recessed	✓
surface mounted	✓
suspended	✓
Light emission	
direct	✓
direct/indirect	✓
Colour	
white	✓
white aluminium	✓
black	✓
Cover	
opal	✓
micro prismatic	–
Alea optical system (UGR ≤ 19)	✓
Switching modes	
on/off	✓
DALI	✓
Light colours	
830	✓
840	✓
Driver	
external	–
internally	✓
Forms	
„LOUI“	✓
„△Z“	–

recessed



pendant | surface mounted



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Types of installation



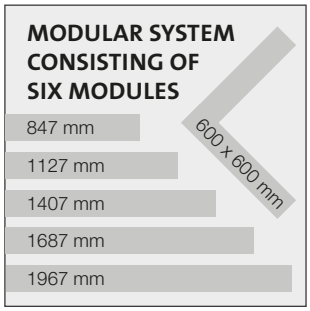




Pendant, surface mounted and recessed

The three types of installation, pendant, surface mounting and flush mounting, offer very much freedom of design in your planning.

Modules



With the help of part-modules available in six different lengths, all system sizes can be assembled.

This means that you always get the length you need for your project.

End cap



The profile flush end cap gives the system a smooth and elegant finish.

Connection



Gapless, mechanical and electrical connection

The mechanical connection between the individual profiles guarantees stability and safety. This is invisibly integrated in the profile, so that an uninterrupted light line without light leakage is created.



Cross-profile corner mounting

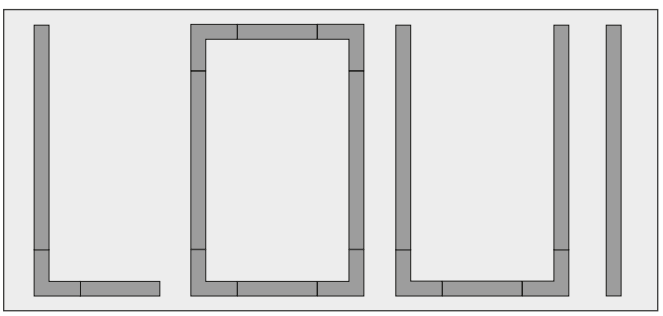
The prefabricated corner element with an aluminium ridge across all covers prevents light leakage and thus guarantees a harmonious and fully illuminated corner situation.



Cross-profile corner mounting

with Alea optial system

Design examples





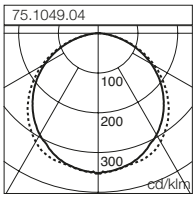
LINEAR SYSTEM

LED profile strip lights

- Can be made to order on a project specific basis
- LED rated life 40,000 h (L80, B10)
- High type of protection: IP 67
- Provides powerful accent lighting (e. g. for vaults, handrails, shelves, counters) as well as background lighting for glass ceilings and walls
- We can implement individual customised solutions on request

75.1049.04		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	9	12
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
9	13	21

75.1049.04



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

LED profile strip lights | Linear system





Type of Protection: / ballasts IP20
Protection Class: III
Impact Protection: IK02

Housing: extruded anodised aluminium profile. IP 67 resin coated LED element (clear resin coating for RGB, opaque resin coating for 3000/4000 K and RGBW). 1.5 m connection cable, double insulated, with open ends. Exit from behind via groove to the side, end cap without groove. End cap without groove. Fastening: M4 stainless steel nuts and two magnetic holders.

Modular design: driver for LED profiles to be ordered separately.

We can offer special project solutions according to customers` specifications. The profiles can be manufactured in different lenghts, other light colours, with different controls such as DMX, DALI a.s.o. Please do not hesitate to contact us for information and individual planning advice.

Available colour: 4 = aluminium, anodised

Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 8 W T16 (11 W EB)

LED 7 W ≈
1 x 13 W T16 (15 W EB)

LED 10 / 12 W ≈
1 x 18 W T26 (26 W CB)

LED 18 W ≈
1 x 24 W T16 (26 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
LED profile light strips								**Price Category 21**
Length L 603 mm								
75.1039.04	L 603, B 18, H 10	LED	830	250 lm	4 W	112°	on/off	A+
75.1040.04	L 603, B 18, H 10	LED	840	250 lm	4 W	112°	on/off	A+
75.1041.04	L 603, B 18, H 10	LED	830	500 lm	7 W	112°	on/off	A+
75.1042.04	L 603, B 18, H 10	LED	840	500 lm	7 W	112°	on/off	A+
75.1043.04	L 603, B 18, H 10	LED	830	700 lm	10 W	112°	on/off	A+
75.1044.04	L 603, B 18, H 10	LED	840	700 lm	10 W	112°	on/off	A+
Length L 1003 mm								
75.1045.04	L 1003, B 18, H 10	LED	830	450 lm	7 W	112°	on/off	A+
75.1046.04	L 1003, B 18, H 10	LED	840	450 lm	7 W	112°	on/off	A+
75.1047.04	L 1003, B 18, H 10	LED	830	850 lm	12 W	112°	on/off	A+
75.1048.04	L 1003, B 18, H 10	LED	840	850 lm	12 W	112°	on/off	A+
75.1049.04	L 1003, B 18, H 10	LED	830	1250 lm	18 W	112°	on/off	A+
75.1050.04	L 1003, B 18, H 10	LED	840	1250 lm	18 W	112°	on/off	A+

Converter 24 V, IP 20			**Price Category 21**
982233.002	L 188, B 30, H 21	max. 33 W	
982233.002.76	L 188, B 30, H 21	max. 33 W, TouchDim, DALI	

Reference number	Dimensions	Lamp	Light colour	System power	α	dimm-able	EEC
LED profile light strips							**Price Category 21**
for RGB							
75.1004.04	L 510, B 18, H 10	LED	RGB	8 W	112°	on/off	A
75.1009.04	L 910, B 18, H 10	LED	RGB	14 W	112°	on/off	A
for RGBW							
75.1067.04	L 510, B 18, H 10	LED	RGBW	5 W	112	on/off	A
75.1068.04	L 910, B 18, H 10	LED	RGBW	8 W	112	on/off	A

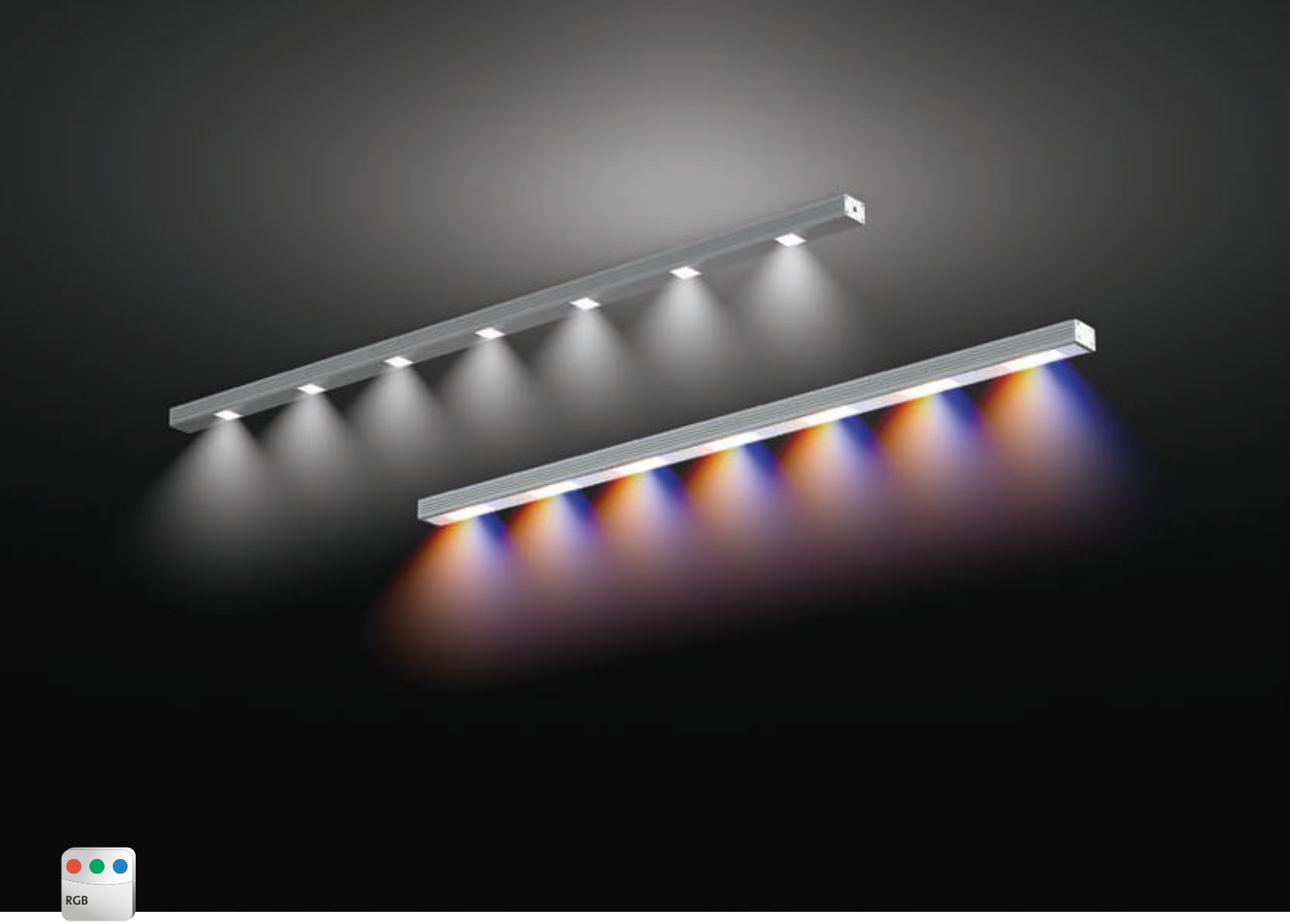
Converter 24 V, IP 20			**Price Category 21**
For RGB and RGBW			
982097.002.76	L 220, B 47, H 44	max. 75 W, TouchDim, DALI	

Accessories | pivoting element for LED track lighting luminaires

Mounting bracket: aluminium, for Linear System and High Power, ceiling and wall mounting; swivel range: 225°; flexibly adjustable on the profile. We recommend to mount two pivoting elements per meter.



Pivoting element for LED profile		**Price Category 21**
75.1034.00	L 63, B 18, H 40	



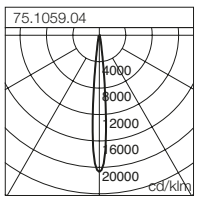
HIGH POWER

LED profile strip lights

- Can be made to order on a project specific basis
- LED rated life 40,000 h (L80, B10)
- High type of protection: IP 67
- Can be controlled via DMX or DALI
- Provides powerful accent lighting for facades, portals and objects, as well as background lighting for glass ceilings/walls and shelves
- We can implement individual customised solutions on request

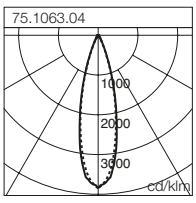
75.1059.04

h [m]	⌀ [m]	E [lx]
1,0	0,18	20554
2,0	0,36	5139
3,0	0,55	2284
4,0	0,73	1285
5,0	0,91	822



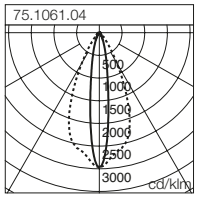
75.1063.04

h [m]	⌀ [m]	E [lx]
1,0	0,47	3839
2,0	0,95	960
3,0	1,42	427
4,0	1,89	240
5,0	2,36	154



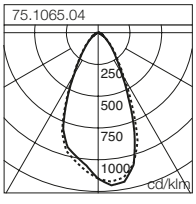
75.1061.04

h [m]	⌀ [m]	E [lx]
1,0	0,27 / 0,87	2729
2,0	0,54 / 1,75	682
3,0	0,81 / 2,62	303
4,0	1,08 / 3,50	171
5,0	1,35 / 4,37	109



75.1065.04

h [m]	⌀ [m]	E [lx]
1,0	0,93	1057
2,0	1,86	264
3,0	2,79	117
4,0	3,71	66
5,0	4,64	42



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

LED profile strip lights | High Power





Type of Protection: IP 20 incl. driver / **IP 67** and **IP 40** profile versions available
Protection Class: I = RGB, II
Impact Protection: IK02, IK03 (IP 67)

Housing element: anodised aluminium. LED element with 7 LED modules Resin coated for IP 67 version. End cap, fastening: M4 stainless steel nuts. Three magnetic holders for IP 40 version. Different optics, two light colours and RGB. **Ready for installation, including required driver and mains plug, with 1.5 m connection cable.** Connected cable between driver and LED profile: 1.5 m. Cable inlet: on the rear side (IP 67 version) / on the front side (IP 40 version).

We can offer special project solutions according to customers` specifications. The profiles can be manufactured in different lenghts, other light colours, with different controls such as DMX, DALI a.s.o. Please do not hesitate to contact us for information and individual planning advice.

Available colour: 4 = aluminium, anodised

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
LED profile light strips								**Price Category 21**
Type of protection: IP 40 (profile)								
75.1051.04	L 900, B 32, H 22	LED	830	1400 lm	15 W	10°	on/off	A+
75.1053.04	L 900, B 32, H 22	LED	830	1400 lm	15 W	10°/50°	on/off	A+
75.1055.04	L 900, B 32, H 22	LED	830	1400 lm	15 W	30°	on/off	A+
75.1057.04	L 900, B 32, H 22	LED	830	1400 lm	15 W	60°	on/off	A+
75.1052.04	L 900, B 32, H 22	LED	840	1400 lm	15 W	10°	on/off	A+
75.1054.04	L 900, B 32, H 22	LED	840	1400 lm	15 W	10°/50°	on/off	A+
75.1056.04	L 900, B 32, H 22	LED	840	1400 lm	15 W	30°	on/off	A+
75.1058.04	L 900, B 32, H 22	LED	840	1400 lm	15 W	60°	on/off	A+
Type of protection: IP 67 (profile)								
75.1059.04	L 900, B 32, H 20	LED	830	1400 lm	15 W	10°	on/off	A+
75.1061.04	L 900, B 32, H 20	LED	830	1400 lm	15 W	10°/50°	on/off	A+
75.1063.04	L 900, B 32, H 20	LED	830	1400 lm	15 W	30°	on/off	A+
75.1065.04	L 900, B 32, H 20	LED	830	1400 lm	15 W	60°	on/off	A+
75.1060.04	L 900, B 32, H 20	LED	840	1400 lm	15 W	10°	on/off	A+
75.1062.04	L 900, B 32, H 20	LED	840	1400 lm	15 W	10°/50°	on/off	A+
75.1064.04	L 900, B 32, H 20	LED	840	1400 lm	15 W	30°	on/off	A+
75.1066.04	L 900, B 32, H 20	LED	840	1400 lm	15 W	60°	on/off	A+
RGB version with sequencer for preset colour sequence								
Type of protection: IP 67 (profile)								
75.1024.04	L 900, B 32, H 20	LED	RGB		51 W	10°	on/off	A
75.1033.04	L 900, B 32, H 20	LED	RGB		51 W	10°/50°	on/off	A
75.1027.04	L 900, B 32, H 20	LED	RGB		51 W	30°	on/off	A
75.1030.04	L 900, B 32, H 20	LED	RGB		51 W	60°	on/off	A

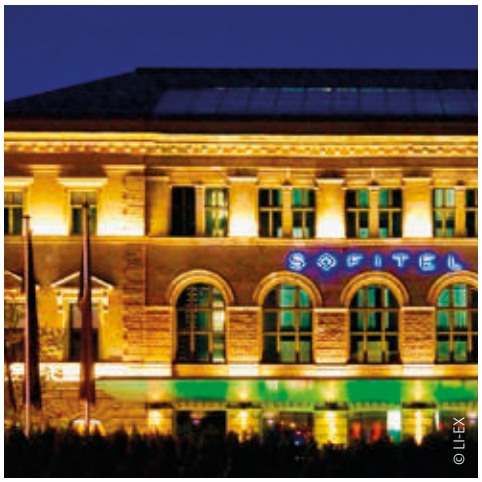
Accessories | pivoting element for LED track lighting luminaires

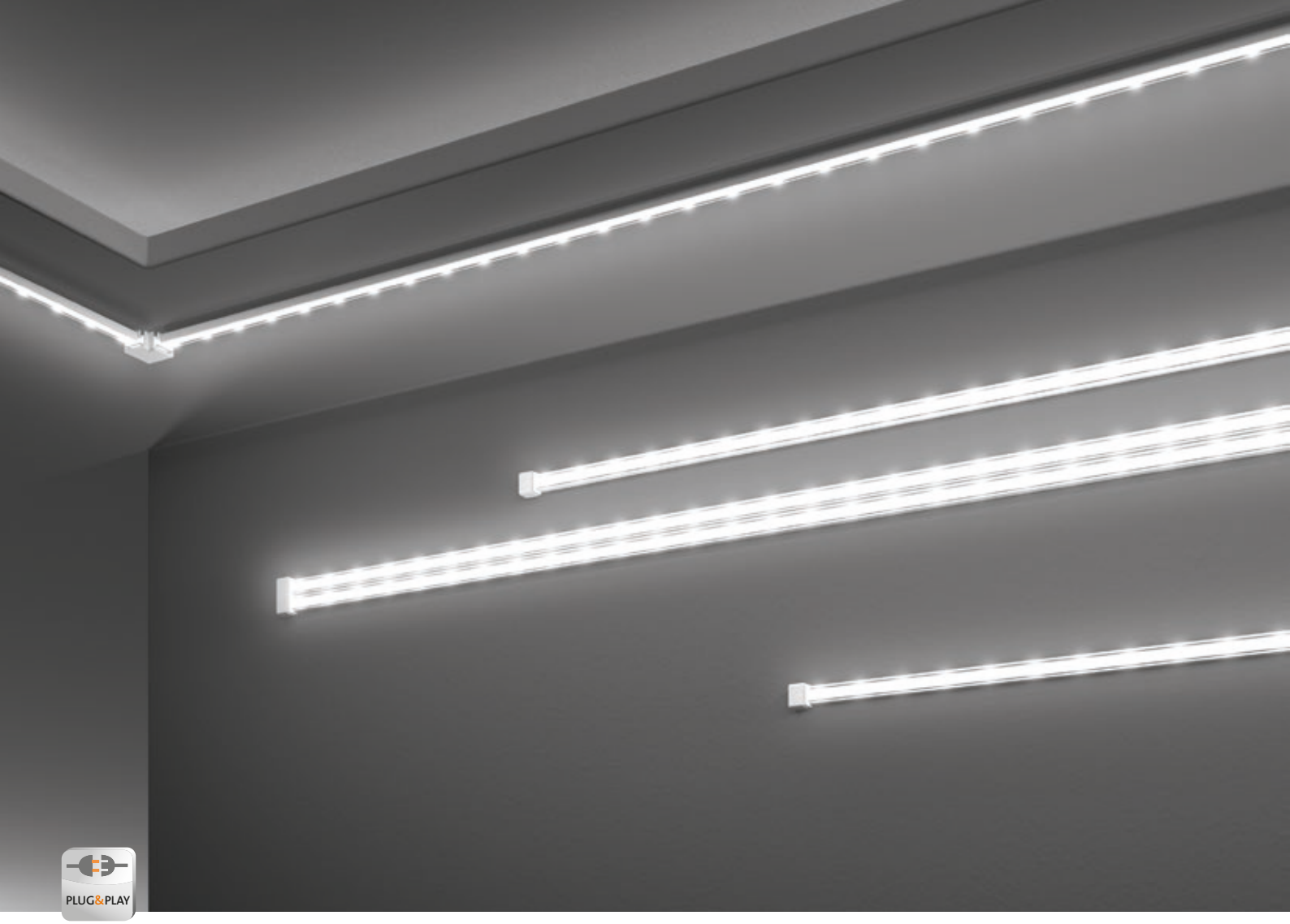
Mounting bracket: aluminium, for Linear System and High Power, ceiling and wall mounting; swivel range: 225°; flexibly adjustable on the profile. We recommend to mount two pivoting elements per meter.



Pivoting element for LED profile		Price Category 21
75.1034.00	L 63, B 18, H 40	







LED IT STRIP

LED strip

- Flexible, fully encapsulated LED strip
- Suitable for indoor and outdoor use (IP 65)
- Easy connection of the system thanks to a variety of accessories
- No need for silicone sealing
- Plug & Play connectors (solderless connections)
- Easily separable with commercially available tools
- Very low mounting height of only 3 mm
- Up to 20 metres LED strip length possible with just one mains infeed
- Colour consistency within 3-steps MacAdam (3 SDCM)



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

LED strip | LED it Strip



Type of Protection: **IP 65**

Flexible fully encapsulated LED strip for indoor and outdoor use. UV/IR resistant TPU potting. Solderless connection technology by means of Plug&Play connector system. Easy separability with commercially available tools (1100 lm/m every 130 mm, 400 lm/m every 250 mm). Up to 20 meters LED strip length with only one power supply. Up to 46 LEDs per meter. LED Pitch 18 mm at 1100 lm/m, 35.7 mm at 400 lm/m. Smallest bending radius 60 mm.
Operating temperature: -20°C to +50°C. One power supply and one end cap included, other accessories can be ordered separately.

Supply voltage 24 V DC.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminous flux per meter	Lamps rating per meter	α
LED Strip						**Price Category 12**
4 W/m | max. 400 lm/m | max. LED strip length 20 m per supply						
982520.002	L 5000, B 12, H 3	LED	830	370 lm	4 W	110°
982520.002.1	L 5000, B 12, H 3	LED	840	400 lm	4 W	110°
982521.002	L 20000, B 12, H 3	LED	830	370 lm	4 W	110°
982521.002.1	L 20000, B 12, H 3	LED	840	400 lm	4 W	110°
12 W/m | max. 1.100 lm/m | max. LED strip length 5 m per supply						
982522.002	L 5000, B 12, H 3	LED	830	950 lm	12 W	107°
982522.002.1	L 5000, B 12, H 3	LED	840	1100 lm	12 W	107°

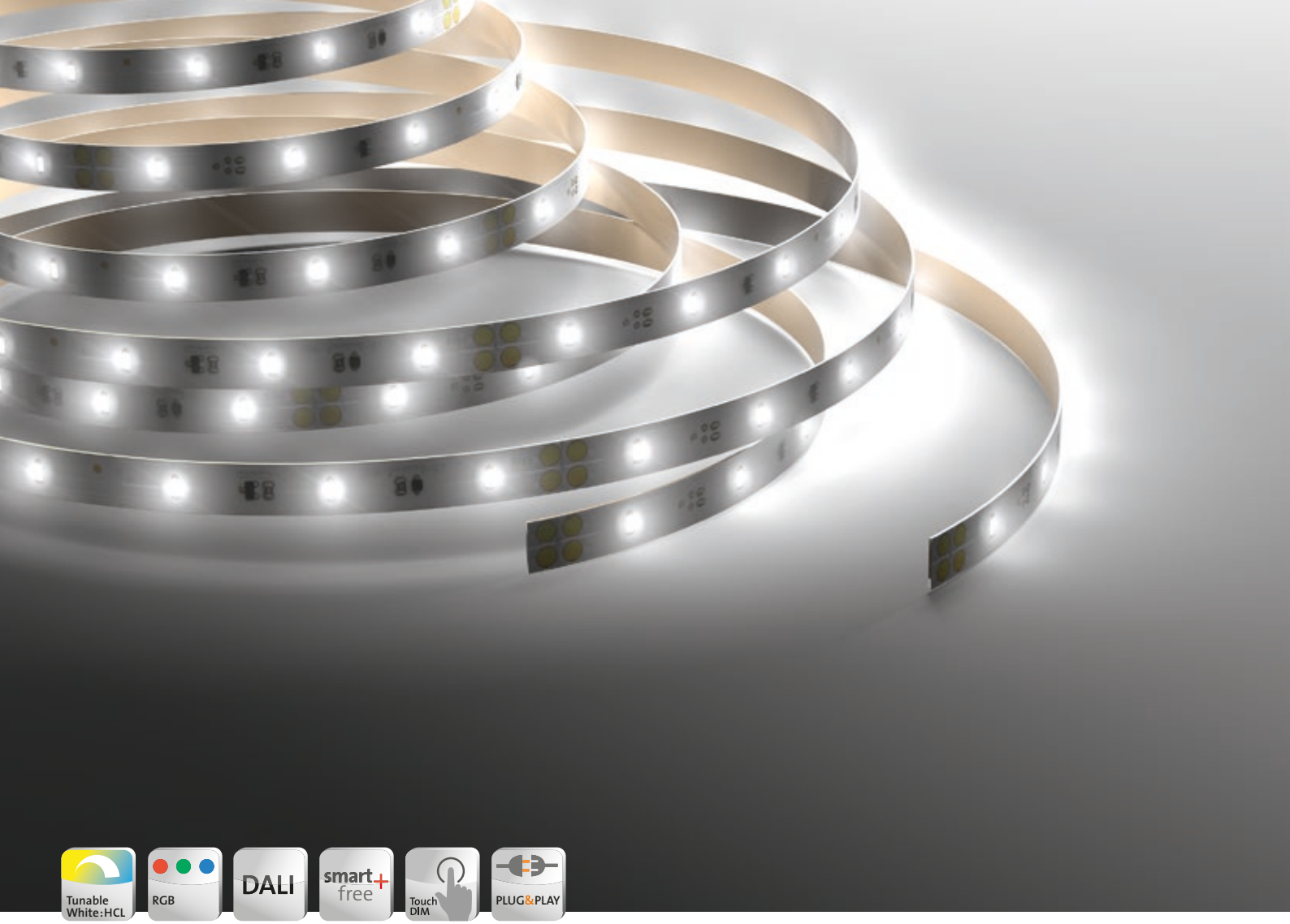


Converter 24 V, DALI, IP 20			**Price Category 21**
982235.002.76	L 305, B 30, H 24	max. 100 W, TouchDim, DALI	



Converter 24 V, IP 67, Plug & Play			**Price Category 12**
5441103017	L 120, B 43, H 32	Constant voltage converter 30 W	
5442106017	L 245, B 48, H 38	Constant voltage converter 60 W	
5443110017	L 245, B 48, H 38	Constant voltage converter 100 W	

	Accessories			**Price Category 12**
①	**Power supply**			
	6401407305	L 150	with plug 2-pole	
②	**End cap**			
	6401406805	L 15, B 19, H 12	End cap, 10 pieces	
③	**Conduit**			
	6200800603	L 1000, B 15, H 8	Flat duct system, White plastic, 2 units per pack	
④	**Duct mounting**			
	6200800403	L 40, B 40, H 30	Bracket ±60° adjustable stepwise, 2 units per pack	
⑤	**Clip fixing (one bag contains 10 pieces; 2 bags are needed for 5 m)**			
	6401409205	L 10, B 14, H 9	Clip fixing, 10 pieces	
	Connectors			
⑥	6401406605	L 15, B 37, H 15	U-shaped connector	
⑦	6401403905	L 170, B 30, H 15	4-way splitter	
⑧	6401406705	L 28, B 22, H 21	I-connector	
⑨	6401406505	L 33, B 33, H 15	L-shaped connector	
⑩	**Connecting cable**			
	6401407005	L 150	Flexible connector with 150 mm cable	
	6401407205	L 600	Flexible connector with 600 mm cable	



LESS IS MORE® FLEX

Modular LED system with maximum flexibility

- LED system in slim design and huge diversity
- Luminous efficiency up to 150 lm/W
- Extremely slim LED strip with a width of 8 mm only
- Easy plug-in installation
- LED service life: with tunable white 60,000 h (L70/B50), with RGB 50,000 h (L70/B50), with light colours 830 and 840 35,000 h (L70/B50)
- Different aluminium profiles and plastic diffusers are available for various applications

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

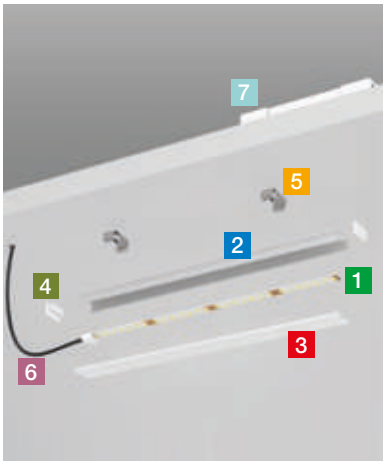
Modular system

Planning has never been so simple!

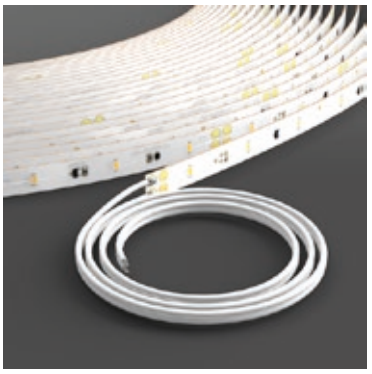
The colour-coded components in the LESS IS MORE® Flex system guide you to a complete luminaire system in just a few steps.

You will need a maximum of seven components for your lighting solution:

- ☑ LED strip
- ☑ Aluminium profile
- ☑ Plastic diffuser
- ☑ End caps
- ☑ Mounting accessories
- ☑ Feeds and connectors
- ☑ Converters and light control

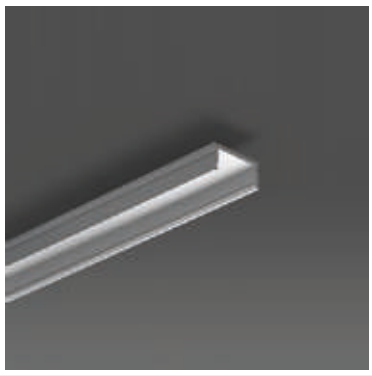


Step 1
LED strip



Page 314

Step 2
Aluminium profile



Page 314

Step 3
Plastic diffuser



Page 315

Step 4
End caps



Page 315

Step 5
Mounting accessories



Page 316

Step 6
Feeds and connectors



Page 316

Step 7
Converters and light control



Page 317

1



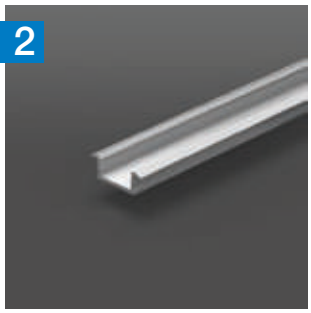
LED strip | Less is more Flex

Type of Protection: IP 00

Flexible, energy-saving LED strip. Luminous flux from 655 to 2000 lm/m. Separable every 100 mm (TW 75 mm, RGB 150 mm). Light colour 830 and 840: Pre-wired with 500 mm feeder. Tunable White: Two 3-pole feeders (982546.002) included. RGB: Feeders must be ordered separately. Mounting using thermal double-sided tape. Voltage 24 V.

Reference number	Dimensions	Lamp	Light colour	Luminous flux per meter	Lamps rating per meter	EEC
LED Strip						**Price Category 21**
4,6 W/m | max. 690 l/m | max. LED strip length 5 m per supply						
982539.000	L 5000, B 8, H 2	LED	830	655 lm	4,6 W	A++
982539.000.1	L 5000, B 8, H 2	LED	840	690 lm	4,6 W	A++
7,6 W/m | max. 1000 l/m | max. LED strip length 5 m per supply						
982540.000	L 5000, B 8, H 2	LED	830	950 lm	7,6 W	A+
982540.000.1	L 5000, B 8, H 2	LED	840	1000 lm	7,6 W	A+
14,4 W/m | max. 2000 l/m | max. LED strip length 5 m per supply						
982541.000	L 5000, B 8, H 2	LED	830	1900 lm	14,4 W	A+
982541.000.1	L 5000, B 8, H 2	LED	840	2000 lm	14,4 W	A+
Tunable White (TW) 18,5 W/m | 2000 lm/m | max. LED strip length 4,5 m per supply						
982542.000	L 4500, B 8, H 1	LED	827-865	2000 lm	18,5 W	A+
RGB 6,5 W/m | 209 lm/m | max. LED strip length 6 m per supply						
982543.000	L 6000, B 8, H 2	LED	RGB	209 lm	6,5 W	

2



Less is more Flex | Aluminium profiles

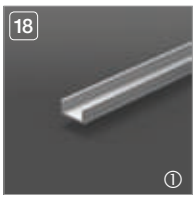
Alu-Star Inline

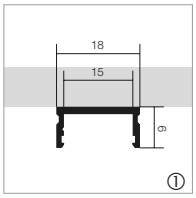
Available colour: 4 = aluminium, anodised

	Reference number	Dimensions	
	Aluminium profiles		**Price Category 21**
①	**Surface profile 18**		
	925374.004	L 3000, B 18, H 9	For lamp output of up to 12 W/m
②	**Surface profile 23**		
	925377.004	L 3000, B 23, H 13	For lamp output of up to 29 W/m
③	**Corner profile 18**		
	925375.004	L 3000, B 25, H 15	For lamp output of up to 14 W/m
④	**Recessed profile 18**		
	925373.004	L 3000, B 25, H 2, BA 18, HE 8	For lamp output of up to 12 W/m
⑤	**Pendant profile 18**		
	925376.004	L 3000, B 18, H 25	For lamp output of up to 20 W/m

Please take into account that aluminium profiles are likely to expand by 0.5 mm per metre at most within a temperature deviation of 20°C.

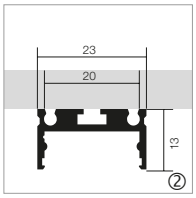
Surface profile 18
up to 12 W/m





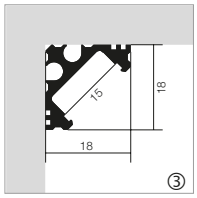
Surface profile 23
up to 29 W/m





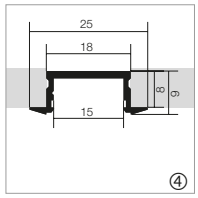
Corner profile 18
up to 14 W/m





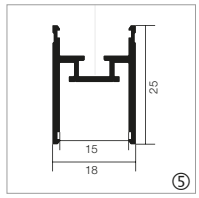
Recessed profile 18
up to 12 W/m





Pendant profile 18
up to 20 W/m

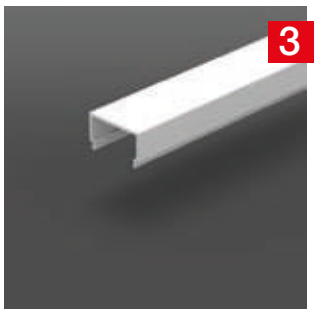




Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Less is more Flex | Plastic diffusers

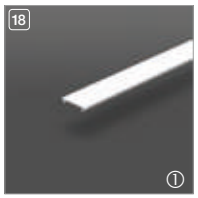
Diffuser made of non-yellowing plastic (PMMA).

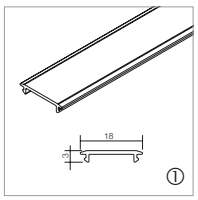


	Reference number	Dimensions	
Diffuser: plastic (PMMA)			**Price Category 21**
	For profile 18		
①	925378.002	L 3000, B 17, H 3	plain opal
②	925378.000	L 3000, B 17, H 3	plan transparent
③	925379.002	L 3000, B 18, H 10	U opal
	For profile 23		
④	925380.002	L 3000, B 24, H 5	concave opal
⑤	925380.000	L 3000, B 24, H 5	concave transparent
⑥	925381.002	L 3000, B 23, H 13	U opal

Please take into account that plastic diffusors are likely to expand by 1.4 mm per metre at most within a temperature deviation of 20°C.

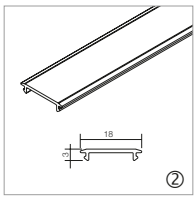
plain opal diffuser for profiles 18





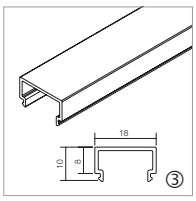
plan transparent dif. for profiles 18





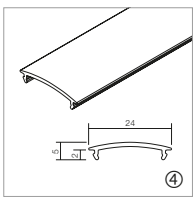
U opal diffuser for profiles 18





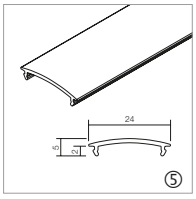
concave opal diffuser for profile 23





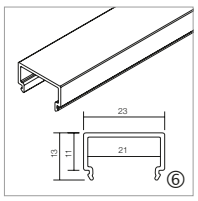
concave transparent for profile 23





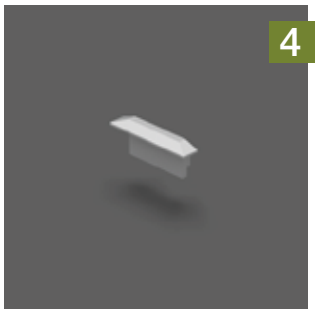
U opal diffuser for profile 23





Less is more Flex | End caps

Package 1 piece.



	Reference number	Dimensions	
End caps			**Price Category 21**
①	982196.002	L 18, B 10, H 5	Surface profile 18
②	982197.000	L 18, B 16, H 5	Surface profile 18 with U-diffuser
③	982200.000	L 23, B 15, H 2	Surface profile 23
④	982201.000	L 23, B 24, H 7	Surface profile 23 with U-diffuser
⑤	982198.000	L 25, B 10, H 8	Recessed profile 18
⑥	982204.000	L 25, B 16, H 5	Corner profile 18
⑦	982199.000	L 26, B 18, H 6	Pendant profile 18















5



Less is more Flex | Installation accessories

Package 1 piece.

	Reference number	Dimensions	
Installation accessories			**Price Category 21**
	Spring clip		
①	982207.000	L 20, B 10, H 9	Recessed, surface and corner profile 18
②	982208.000	L 24, B 10, H 9	Surface profile 23
	Mounting connector 0-25°		
③	982205.000	L 10, B 16, H 15	Surface profile 23
	Adjustable connector 0-90°		
④	982206.000	D 30, H 32	Surface profile 23
	Suspension kit		
⑤	982210.000	D 11, LP 2000	Pendant profile 18
	Mechanical connector		
⑥	982203.000	L 50, B 6, H 4	Pendant profile 18, recessed profile 65









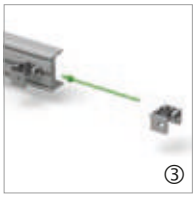




①-⑥
A distance of 1.5 m between two mounting elements is recommended

Corner angle installation for profile 23





6

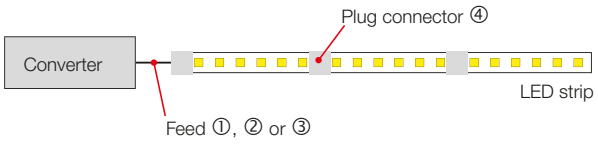


Less is more Flex | Electrical connector

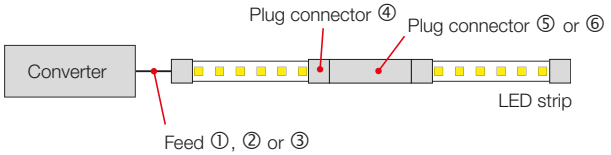
Package 1 piece.

	Reference number	Dimensions	
Feeds and connectors			**Price Category 21**
①	982545.002	L 500, B 9, H 6	Feed 2-pole for a single colour (male plug, open end)
②	982546.002	L 500, B 9, H 6	Feed 3-pole for TW (male plug, open end)
③	982547.002	L 500, B 9, H 6	Feed 4-pole for RGB (male plug, open end)
④	982550.002	L 10, B 9, H 6	Plug connector 2/4-pole (gapless) for a single light colour, RGB and TW
⑤	982548.002	L 150, B 8, H 1	Plug connector 2/4-pole for a single light colour, RGB and TW
⑥	982549.002	L 300, B 8, H 1	Plug connector 2/4-pole for a single light colour, RGB and TW

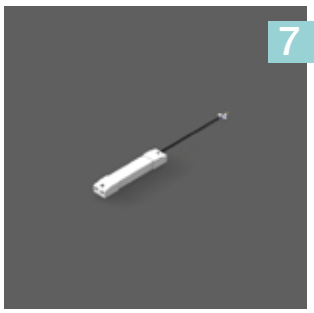
Example with gapless connector



Example with connector (rigid), 2/4-pole



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | LED (1) = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Less is more Flex | Converters

Type of Protection: IP 20
Protection Class: II

Constand voltage converters.
The converters must be installed externally.

	Reference number	Dimensions		
	Converter 24 V			**Price Category 21**
①	982232.002	L 153, B 30, H 21	max. 21 W	
②	982232.002.76	L 153, B 30, H 21	max. 21 W, TouchDim, DALI	
③	982233.002	L 188, B 30, H 21	max. 33 W	
④	982233.002.76	L 188, B 30, H 21	max. 33 W, TouchDim, DALI	
⑤	982234.002	L 240, B 30, H 21	max. 60 W	
⑥	982234.002.76	L 240, B 30, H 21	max. 60 W, TouchDim, DALI	
⑦	982235.002	L 305, B 30, H 24	max. 100 W	
⑧	982235.002.76	L 305, B 30, H 24	max. 100 W, TouchDim, DALI	
	For RGB and tunable white (TW) control			
⑨	982097.002.76	L 220, B 47, H 44	max. 75 W, TouchDim, DALI	





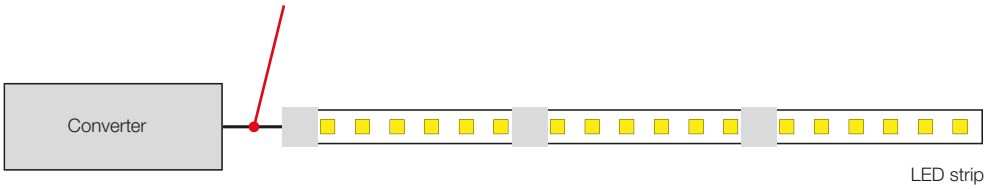


The following chart gives an overview about the wiring from the LED strip to the converter and the required cable cross-sections only and is not meant to replace the conforming to local installation standards of the feed cables.

Chart to be read as follows:

For power of 21 W and a required cable length of 13 m the cable cross-section must be at least 0,5 mm².

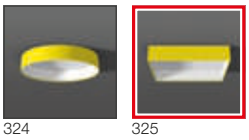
Cable cross-section	Converter 24 V			
	21 W	**33 W**	**60 W**	**100 W**
0,50 mm²	13 m	10 m	6 m	3,5 m
0,75 mm²	20 m	15 m	9 m	5 m
1,00 mm²	26 m	20 m	12 m	7 m
1,50 mm²	40 m	30 m	17 m	10 m





The application image shows:
Flatliner

© Linus Lintner


324

325

Toledo Flat
322-325


328-329

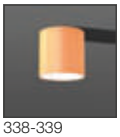

330-331

Flatliner Slim
326-331


333


334

Flatliner
332-334


338-339

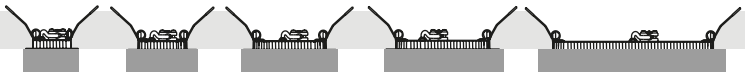

340-341

Toledo Flatliner
336-341

CEILING LUMINAIRES

Toledo Flat Round

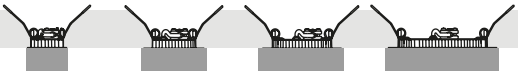
H 60



○ 153 ○ 195 ○ 260 ○ 322 ○ 500

Toledo Flat Square

H 60



□ 115 □ 177 □ 230 □ 305

Flatliner Slim

H 60



○ 260 ○ 322 ○ 422 ○ 500 ○ 600

Toledo Flatliner

H 120



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369

Flatliner

H 250



○ 550 ○ 700 ○ 1100
□ 550 □ 700 □ 1100

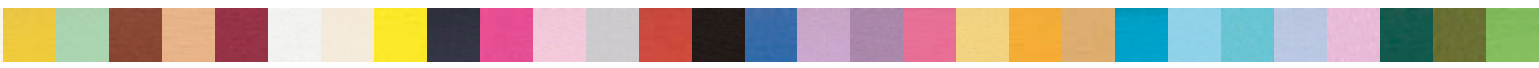
Toledo Flatliner

H 300



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369

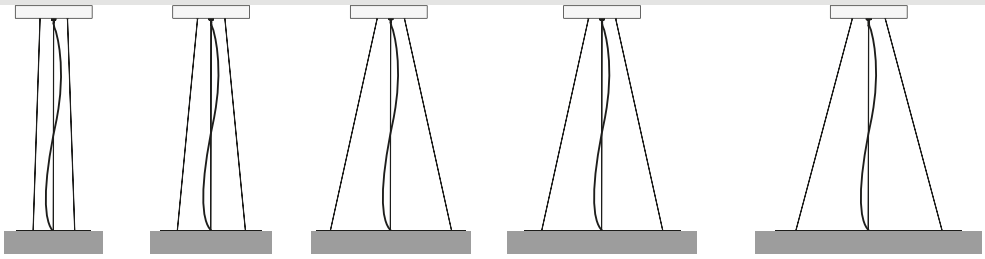
Colour options of the chintz lampshades



PENDANT LUMINAIRES

Flatliner Slim

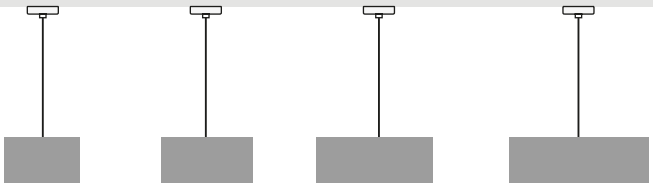
H 60



○ 260 ○ 322 ○ 422 ○ 500 ○ 600

Toledo Flatliner

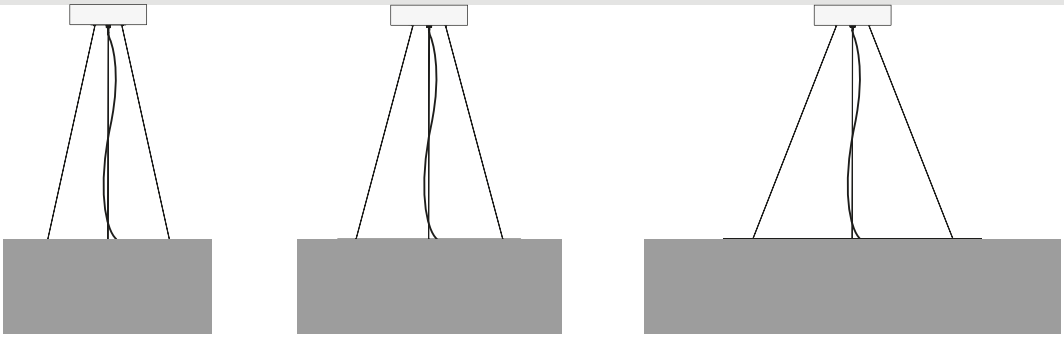
H 120



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369

Flatliner

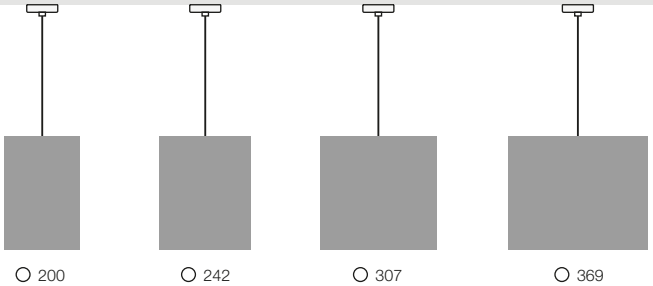
H 250



○ 550 ○ 700 ○ 1100
□ 550 □ 700 □ 1100

Toledo Flatliner

H 300



○ 200 ○ 242 ○ 307 ○ 369
□ 200 □ 242 □ 307 □ 369



Tunable White:HCL | DALI | smart+ free | PLUG&PLAY

GERMAN DESIGN AWARD WINNER 2018

TOLEDO FLAT

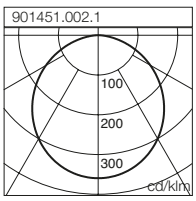
Recessed downlights with decorative fabric lampshade (accessories)

- Ultra thin recessed LED downlight
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Shallow recessed depth
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Tunable white versions dynamically adjustable from 2700 K to 6500 K
- Versions with smart+free Bluetooth control for wireless network and operation using Android / iOS devices, free app available for download
- Easy to install thanks to tool-free spring fastening system
- Can be directly covered with thermal insulation material (does not apply for D 495 mm diameter)
- Separate converter box with connecting cable
- DALI converter is compatible with DC, suitable for central battery system
- Surface mounted housing as accessory for all sizes
- Retrofittable decorative cylinders made of chintz fabric as accessory,optional with satin finish polycarbonate diffuser
- Applications:
  Corridors, side rooms, hotels, restaurants, conference rooms, private rooms

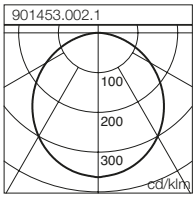


Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Recessed downlights
Indoor lighting | Surface mounted downlights
Emergency lighting | Escape route illumination

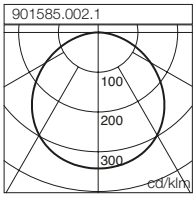
901451.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
16	24	32
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
23	35	58



901453.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	9	14



901585.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

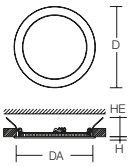


© Fotostudio Lippmann

The application image shows:
Toledo Flat
Toledo Flatliner



Recessed downlights | Toledo Flat Round



Type of Protection: **IP 40**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03 (Tunable White), IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

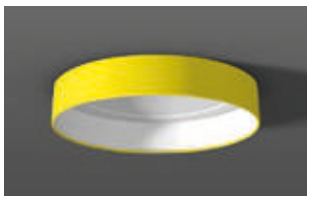
LED 7,9 / 8,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 / 19 W ≈
1 x 32 W TC-D (36 W CB)

LED 23 / 24 W ≈
2 x 26 W TC-D (68 W CB)

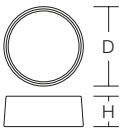
LED 30 / 35 W ≈
3 x 26 W TC-D (102 W CB)
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able		EEC
Recessed downlights									**Price Category 21**
Diffuser: plastic, opal									
Ceiling cut out DA 128 mm									
901451.002 .Q	D 148, H 2, HE 27-53	LED	830	390 lm	5 W	110°	on/off	✓	A+
901451.002.76	D 148, H 2, HE 31-53	LED	830	390 lm	5 W	110°	DALI		A+
901451.002.1 .Q	D 148, H 2, HE 27-53	LED	840	400 lm	5 W	110°	on/off	✓	A+
901451.002.1.76	D 148, H 2, HE 31-53	LED	840	400 lm	5 W	110°	DALI		A+
Ceiling cut out DA 170 mm									
901452.002 .Q	D 190, H 3, HE 27-53	LED	830	740 lm	7,9 W	110°	on/off	✓	A+
901452.002.76	D 190, H 3, HE 31-53	LED	830	740 lm	7,9 W	110°	DALI		A+
901452.002.1 .Q	D 190, H 3, HE 27-53	LED	840	840 lm	8,7 W	110°	on/off	✓	A+
901452.002.1.76	D 190, H 3, HE 31-53	LED	840	840 lm	8,7 W	110°	DALI		A+
Ceiling cut out DA 234 mm									
901453.002 .Q	D 255, H 3, HE 30-56	LED	830	1650 lm	18 W	110°	on/off	✓	A+
901453.002.76 .Q	D 255, H 3, HE 31-56	LED	830	1650 lm	18 W	110°	DALI		A+
901453.002.1 .Q	D 255, H 3, HE 30-56	LED	840	1650 lm	18 W	110°	on/off	✓	A+
901453.002.1.76 .Q	D 255, H 3, HE 31-56	LED	840	1650 lm	18 W	110°	DALI		A+
Tunable White - 2700 K to 6500 K									
901666.002.730	D 255, H 3, HE 55-75	LED	827-865	1700 lm	19 W	110°	smart+free		A+
Ceiling cut out DA 288 mm									
901484.002 .Q	D 317, H 3, HE 31-54	LED	830	2150 lm	23 W	108°	on/off	✓	A+
901484.002.76 .Q	D 317, H 3, HE 31-54	LED	830	2150 lm	23 W	108°	DALI		A+
901484.002.1 .Q	D 317, H 3, HE 31-54	LED	840	2250 lm	23 W	108°	on/off	✓	A+
901484.002.1.76 .Q	D 317, H 3, HE 31-54	LED	840	2250 lm	23 W	108°	DALI		A+
Tunable White - 2700 K to 6500 K									
901667.002.730	D 317, H 3, HE 55-75	LED	827-865	2350 lm	24 W	108°	smart+free		A+
Ceiling cut out DA 470 mm									
901585.002	D 495, H 6, HE 40-59	LED	830	3550 lm	35 W	113°	on/off		A+
901585.002.76	D 495, H 6, HE 40-59	LED	830	3550 lm	35 W	113°	DALI		A+
901585.002.1	D 495, H 6, HE 40-59	LED	840	3600 lm	35 W	113°	on/off		A+
901585.002.1.76	D 495, H 6, HE 40-59	LED	840	3600 lm	35 W	113°	DALI		A+
Tunable White - 2700 K to 6500 K									
901668.002.730	D 495, H 6, HE 55-75	LED	827-865	3050 lm	30 W	113°	smart+free		A+


without diffuser


with diffuser

Accessories | Chintz decorative element Toledo Flat Round



Standard colour covering surface: 66.8003.01 white
Other colours (see page 335) available at the same price.
Please include the colour code in your order.
Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white

Reference number	Dimensions		
Chintz lampshades			**Price Category 21**
982319.002	D 153, H 60	Chintz decorative cylinder for Toledo Flat Round D 148	
982320.002	D 195, H 60	Chintz decorative cylinder for Toledo Flat Round D 190	
982321.002	D 260, H 60	Chintz decorative cylinder for Toledo Flat Round D 255	
982322.002	D 322, H 60	Chintz decorative cylinder for Toledo Flat Round D 317	
982323.002	D 500, H 60	Chintz decorative cylinder for Toledo Flat Round D 495	

Cannot be fitted with surface mount housing



Satin finish polycarbonate diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982324.002	D 151, H 4	Accessories for chintz decorative cylinder D 153	
982325.002	D 193, H 4	Accessories for chintz decorative cylinder D 195	
982326.002	D 258, H 4	Accessories for chintz decorative cylinder D 260	
982327.002	D 320, H 4	Accessories for chintz decorative cylinder D 322	
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500	

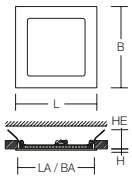
Diffusers with chintz fabric in all colours on request.



Chintz lampshades		**Price Category 21**
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Recessed downlights | Toledo Flat Square



Type of Protection: **IP 40**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03 (Tunable White), IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able		EEC
Recessed downlights									**Price Category 21**
Diffuser: plastic, opal									
Ceiling cut out LA 96 x BA 96 mm									
901485.002	L 110, B 110, H 3, HE 27-56	LED	830	370 lm	4,7 W	107°	on/off	✓	A+
901485.002.76	L 110, B 110, H 3, HE 31-56	LED	830	370 lm	4,7 W	107°	DALI		A+
901485.002.1	L 110, B 110, H 3, HE 27-56	LED	840	380 lm	4,7 W	107°	on/off	✓	A+
901485.002.1.76	L 110, B 110, H 3, HE 31-56	LED	840	380 lm	4,7 W	107°	DALI		A+
Ceiling cut out LA 156 x BA 156 mm									
901486.002	L 172, B 172, H 3, HE 28-56	LED	830	730 lm	8 W	108°	on/off	✓	A+
901486.002.76	L 172, B 172, H 3, HE 31-56	LED	830	730 lm	8 W	108°	DALI		A+
901486.002.1	L 172, B 172, H 3, HE 28-56	LED	840	750 lm	8 W	108°	on/off	✓	A+
901486.002.1.76	L 172, B 172, H 3, HE 31-56	LED	840	750 lm	8 W	108°	DALI		A+
Ceiling cut out LA 208 x BA 208 mm									
901487.002 .Q	L 225, B 225, H 3, HE 29-56	LED	830	1600 lm	18 W	108°	on/off	✓	A+
901487.002.76	L 225, B 225, H 3, HE 31-56	LED	830	1600 lm	18 W	108°	DALI		A+
901487.002.1 .Q	L 225, B 225, H 3, HE 29-56	LED	840	1650 lm	18 W	108°	on/off	✓	A+
901487.002.1.76	L 225, B 225, H 3, HE 31-56	LED	840	1650 lm	18 W	108°	DALI		A+
Tunable White - 2700 K to 6500 K									
901670.002.730	L 225, B 225, H 3, HE 55-75	LED	827-865	1600 lm	19 W	108°	smart+free		A+
Ceiling cut out LA 280 x BA 280 mm									
901488.002 .Q	L 300, B 300, H 3, HE 31-56	LED	830	2050 lm	22 W	108°	on/off	✓	A+
901488.002.76	L 300, B 300, H 3, HE 31-56	LED	830	2050 lm	22 W	108°	DALI		A+
901488.002.1 .Q	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108°	on/off	✓	A+
901488.002.1.76	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108°	DALI		A+
Tunable White - 2700 K to 6500 K									
901671.002.730	L 300, B 300, H 3, HE 55-75	LED	827-865	1750 lm	23 W	108°	smart+free		A+

Comparison
LED vs. conventional lamps

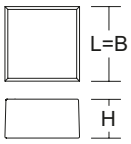
LED 4,7 W ≈
1 x 10 W TC-D (16 W CB)

LED 8 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 / 19 W ≈
1 x 32 W TC-TEL (36 W EB)

LED 22 / 23 W ≈
2 x 26 W TC-D (68 W CB)

Accessories | Chintz decorative element Toledo Flat Square



Standard colour covering surface: 66.8003.01 white
Other colours (see page 335) available at the same price.
Please include the colour code in your order.
Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white


without diffuser


with diffuser

Reference number	Dimensions	
Chintz lampshades		**Price Category 21**
982501.002	L 115, B 115, H 60	Chintz decorative element for Toledo Flat Square 110 x 110
982502.002	L 177, B 177, H 60	Chintz decorative element for Toledo Flat Square 172 x 172
982503.002	L 230, B 230, H 60	Chintz decorative element for Toledo Flat Square 225 x 225
982504.002	L 305, B 305, H 60	Chintz decorative element for Toledo Flat Square 300 x 300



Satin finish polycarbonate diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982505.002	L 113, B 113, H 4	Accessories for chintz decor cube 115 x 115
982506.002	L 175, B 175, H 4	Accessories for chintz decor cube 177 x 177
982507.002	L 228, B 228, H 4	Accessories for chintz decor cube 230 x 230
982508.002	L 303, B 303, H 4	Accessories for chintz decor cube 305 x 305

Diffusers with chintz fabric in all colours on request.



Chintz lampshades		**Price Category 21**
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	



FLATLINER SLIM

Ceiling luminaires, Pendant luminaires

- Decorative fabric lampshade luminaire for room design
- More than 70 different standard colours to choose for the fabric lampshade
- Material of fabric lampshade chintz or optionally also flame retardant fabric in compliance with B1
- Fabric lampshades can be fitted to the basic luminaire without tools
- Use of energy saving LED creates an energy efficient decorative luminaire
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Ceiling or pendant mounting
- Very flat design with a height of only 60 mm

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

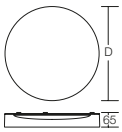


© Shutterstock

The application image shows:
Flatliner Slim



Ceiling luminaires | Flatliner Slim



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK00

Base: metal, white, powder-coated. Fabric lampshades and diffusers can be assembled without the use of tools.

Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white
Standard bottom lampshade colour: 66.8003.01 white

Further colours (see page 335) are available at the same price. Other colours for lampshade must be indicated separately.

Modular design: The lampshades need to be ordered separately for each luminaire.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 260, ceiling mounting							
312280.002 *	D 255, H 34	LED (1)	830	950 lm	14 W	on/off	A+
312280.002.76 **	D 255, H 34	LED (1)	830	950 lm	14 W	DALI	A+
312280.002.1 *	D 255, H 34	LED (1)	840	1050 lm	14 W	on/off	A+
312280.002.1.76 **	D 255, H 34	LED (1)	840	1050 lm	14 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
982555.002	D 260, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	

Comparison LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 322, ceiling mounting							
312281.002 *	D 317, H 34	LED (1)	830	1600 lm	21 W	on/off	A+
312281.002.76 **	D 317, H 34	LED (1)	830	1600 lm	21 W	DALI	A+
312281.002.1 *	D 317, H 34	LED (1)	840	1700 lm	21 W	on/off	A+
312281.002.1.76 **	D 317, H 34	LED (1)	840	1700 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
982556.002	D 322, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	

Comparison LED vs. conventional lamps

LED 27 W ≈
2 x 26 W TC-D (68 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 422, ceiling mounting							
312283.002 *	D 418, H 34	LED (1)	830	1900 lm	27 W	on/off	A+
312283.002.76 **	D 418, H 34	LED (1)	830	1900 lm	27 W	DALI	A+
312283.002.1 *	D 418, H 34	LED (1)	840	2050 lm	27 W	on/off	A+
312283.002.1.76 **	D 418, H 34	LED (1)	840	2050 lm	27 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
982557.002	D 422, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED (1)** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 500, ceiling mounting							
312285.002	D 496, H 34	LED [1]	830	2300 lm	33 W	on/off	A+
312285.002.76 *	D 496, H 34	LED [1]	830	2300 lm	33 W	DALI	A+
312285.002.1	D 496, H 34	LED [1]	840	2500 lm	33 W	on/off	A+
312285.002.1.76 *	D 496, H 34	LED [1]	840	2500 lm	33 W	DALI	A+

* DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

Chintz lampshades			Price Category 21
982558.002	D 500, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 600, ceiling mounting							
312287.002	D 596, H 34	LED [1]	830	2300 lm	33 W	on/off	A+
312287.002.76 *	D 596, H 34	LED [1]	830	2300 lm	33 W	DALI	A+
312287.002.1	D 596, H 34	LED [1]	840	2500 lm	33 W	on/off	A+
312287.002.1.76 *	D 596, H 34	LED [1]	840	2500 lm	33 W	DALI	A+

* DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

Chintz lampshades			Price Category 21
982559.002	D 600, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	



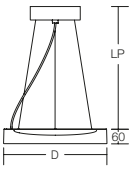
Chintz lampshades		Price Category 21
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	





Applies to versions with .76

Pendant luminaires | Flatliner Slim



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK00
Suspension Length: 200-1300 mm

Base and canopy: metal, powder-coated, white. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Transparent connecting cable. Fabric lampshades and diffusers can be assembled without the use of tools.

Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white
Standard bottom lampshade colour: 66.8003.01 white

Further colours (see page 335) are available at the same price. Other colours for lampshade must be indicated separately.

Modular design: The lampshades need to be ordered separately for each luminaire.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white

Comparison LED vs. conventional lamps

LED 14 W ≈
2 x 18 W TC-D (52 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 260: Pendant length 200-1300 mm							
312289.002 *	D 255, H 34	LED (1)	830	950 lm	14 W	on/off	A+
312289.002.76 **	D 255, H 34	LED (1)	830	950 lm	14 W	DALI	A+
312289.002.1 *	D 255, H 34	LED (1)	840	1050 lm	14 W	on/off	A+
312289.002.1.76 **	D 255, H 34	LED (1)	840	1050 lm	14 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
982555.002	D 260, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	

Comparison LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 322: Pendant length 200-1300 mm							
312282.002 *	D 317, H 34	LED (1)	830	1600 lm	21 W	on/off	A+
312282.002.76 **	D 317, H 34	LED (1)	830	1600 lm	21 W	DALI	A+
312282.002.1 *	D 317, H 34	LED (1)	840	1700 lm	21 W	on/off	A+
312282.002.1.76 **	D 317, H 34	LED (1)	840	1700 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
982556.002	D 322, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	

Comparison LED vs. conventional lamps

LED 27 W ≈
1 x 18 W TC-D (26 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 422: Pendant length 200-1300 mm							
312284.002 *	D 418, H 34	LED (1)	830	1900 lm	27 W	on/off	A+
312284.002.76 **	D 418, H 34	LED (1)	830	1900 lm	27 W	DALI	A+
312284.002.1 *	D 418, H 34	LED (1)	840	2050 lm	27 W	on/off	A+
312284.002.1.76 **	D 418, H 34	LED (1)	840	2050 lm	27 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
982557.002	D 422, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | LED (1) = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 500: Pendant length 350-1300 mm							
312286.002	D 496, H 34	LED [1]	830	2300 lm	33 W	on/off	A+
312286.002.76 *	D 496, H 34	LED [1]	830	2300 lm	33 W	DALI	A+
312286.002.1	D 496, H 34	LED [1]	840	2500 lm	33 W	on/off	A+
312286.002.1.76 *	D 496, H 34	LED [1]	840	2500 lm	33 W	DALI	A+

* DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

Chintz lampshades			Price Category 21
982558.002	D 500, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner Slim 600: Pendant length 350-1300 mm							
312288.002	D 596, H 34	LED [1]	830	2300 lm	33 W	on/off	A+
312288.002.76 *	D 596, H 34	LED [1]	830	2300 lm	33 W	DALI	A+
312288.002.1	D 596, H 34	LED [1]	840	2500 lm	33 W	on/off	A+
312288.002.1.76 *	D 596, H 34	LED [1]	840	2500 lm	33 W	DALI	A+

* DALI dimmable (10-100%) | Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

Chintz lampshades			Price Category 21
982559.002	D 600, H 60	Chintz lampshade with satin finish diffuser made of polycarbonate	



Chintz lampshades		Price Category 21
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	





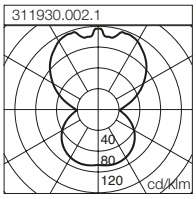
DALI

FLATLINER

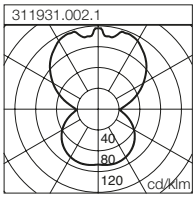
Ceiling luminaires, Pendant luminaires

- Decorative fabric lampshade luminaire for room design
- More than 70 different standard colours to choose for the fabric lampshade
- Standard shapes cylinder and cuboid
- Material of fabric lampshade chintz or optionally also flame retardant fabric in compliance with B1
- Use of energy saving LED creates an energy efficient decorative luminaire
- Ceiling or pendant mounting
- Fabric lampshades can be retrofitted to the basic luminaire without tools

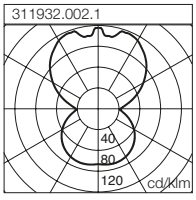
311930.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	10	13
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
9	13	22



311931.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11

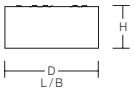


311932.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Flatliner





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02

Base: metal, white, powder-coated. Lampshades can be mounted without tools.
The lampshades are closed at the bottom. Ceiling mounting.

Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white
Standard bottom lampshade colour: 66.8003.01 white

Further colours (see page 335) are available at the same price. Other colours for lampshade and diffuser must be indicated separately. Further lamp shade dimensions are available upon request.

Modular design: The lampshades need to be ordered separately for each luminaire.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner 550							
311933.002	D 460, H 120	LED	830	1450 lm	19 W	on/off	A++
311933.002.76	D 460, H 120	LED	830	1450 lm	19 W	DALI	A++
311933.002.1	D 460, H 120	LED	840	1450 lm	19 W	on/off	A++
311933.002.1.76	D 460, H 120	LED	840	1450 lm	19 W	DALI	A++

Indication of luminaire flux when using the white fabric lampshade.

Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W CB)

Chintz lampshades			Price Category 21
Flatliner 550			
981867.002	D 550, H 250	Shape: cylinder	
981870.002	L 550, B 550, H 250	Shape: cuboid	



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner 700							
311934.002	D 620, H 160	LED	830	2800 lm	38 W	on/off	A++
311934.002.76	D 620, H 160	LED	830	2800 lm	38 W	DALI	A++
311934.002.1	D 620, H 160	LED	840	2800 lm	38 W	on/off	A++
311934.002.1.76	D 620, H 160	LED	840	2800 lm	38 W	DALI	A++

Indication of luminaire flux when using the white fabric lampshade.

Comparison LED vs. conventional lamps

LED 38 W ≈
4 x 26 W TC-D (136 W CB)

Chintz lampshades			Price Category 21
Flatliner 700			
981868.002	D 700, H 250	Shape: cylinder	
981871.002	L 700, B 700, H 250	Shape: cuboid	



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner 1100							
311935.002	D 1040, H 230	LED	830	7000 lm	100 W	on/off	A++
311935.002.76	D 1040, H 230	LED	830	7000 lm	100 W	DALI	A++
311935.002.1	D 1040, H 230	LED	840	7300 lm	100 W	on/off	A++
311935.002.1.76	D 1040, H 230	LED	840	7300 lm	100 W	DALI	A++

Indication of luminaire flux when using the white fabric lampshade.

Comparison LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)

Chintz lampshades			Price Category 21
Flatliner 1100			
981869.002	D 1100, H 250	Shape: cylinder	
981872.002	L 1100, B 1100, H 250	Shape: cuboid	

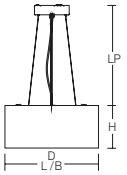


Fabric lampshades chintz		Price Category 21
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	





Pendant luminaires | Flatliner



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK02
Suspension Length: 200-3500 mm

Base and canopy: metal, powder-coated, white. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request. Transparent connecting cable. Lampshades can be mounted without tools. The lampshades are closed at the bottom.

Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white
Standard bottom lampshade colour: 66.8003.01 white

Further colours (see page 335) are available at the same price. Other colours for lampshade and diffuser must be indicated separately. Further lamp shade dimensions are available upon request.

Modular design: The lampshades need to be ordered separately for each luminaire.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white

Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner 550, Pendant length 200-3500 mm							
311930.002	D 460, H 120	LED	830	1450 lm	19 W	on/off	A++
311930.002.76	D 460, H 120	LED	830	1450 lm	19 W	DALI	A++
311930.002.1	D 460, H 120	LED	840	1450 lm	19 W	on/off	A++
311930.002.1.76	D 460, H 120	LED	840	1450 lm	19 W	DALI	A++

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
Flatliner 550			
981867.002	D 550, H 250	Shape: cylinder	
981870.002	L 550, B 550, H 250	Shape: cuboid	

Comparison LED vs. conventional lamps

LED 38 W ≈
4 x 26 W TC-D (136 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner 700, Pendant length 350-3500 mm							
311931.002	D 620, H 160	LED	830	2800 lm	38 W	on/off	A++
311931.002.76	D 620, H 160	LED	830	2800 lm	38 W	DALI	A++
311931.002.1	D 620, H 160	LED	840	2800 lm	38 W	on/off	A++
311931.002.1.76	D 620, H 160	LED	840	2800 lm	38 W	DALI	A++

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
Flatliner 700			
981868.002	D 700, H 250	Shape: cylinder	
981871.002	L 700, B 700, H 250	Shape: cuboid	

Comparison LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Flatliner 1100: Pendant length 600-3500 mm							
311932.002	D 1040, H 230	LED	830	7000 lm	100 W	on/off	A++
311932.002.76	D 1040, H 230	LED	830	7000 lm	100 W	DALI	A++
311932.002.1	D 1040, H 230	LED	840	7300 lm	100 W	on/off	A++
311932.002.1.76	D 1040, H 230	LED	840	7300 lm	100 W	DALI	A++

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
Flatliner 1100			
981869.002	D 1100, H 250	Shape: cylinder	
981872.002	L 1100, B 1100, H 250	Shape: cuboid	



Fabric lampshades chintz		Price Category 21
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Colour options of the chintz lampshades

Please include the colour code in your order.





DALI

GERMAN DESIGN AWARD WINNER 2018

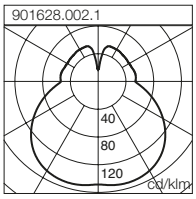
TOLEDO FLATLINER

Ceiling luminaires, Pendant luminaires

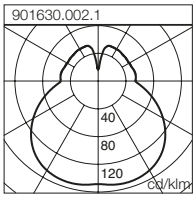
- Decorative fabric lampshade luminaire for room design
- The basic luminaire for fabric lampshades is the Toledo Flat series
- More than 70 different standard colours to choose for the fabric lampshade
- Standard cylinder and cuboid shapes
- Material of fabric lampshade chintz or optionally also flame retardant fabric in compliance with B1
- Fabric lampshades can be retrofitted to the basic luminaire without tools
- Satin finish diffusers made of polycarbonate are optionally available

- Use of energy saving LED creates an energy efficient decorative luminaire
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- DALI converter is compatible with DC, suitable for central battery system
- Ceiling or pendant mounting

901628.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
21	32	42
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
31	46	76



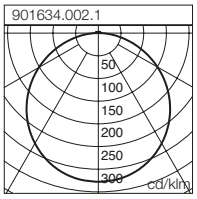
901630.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
10	15	20
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
14	21	36



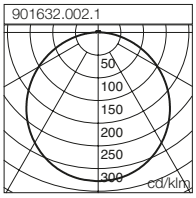


Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Recessed downlights
Indoor lighting | Surface mounted downlights
Emergency lighting | Escape route illumination

901634.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	5	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	12



901632.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	7	9
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
7	10	16



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Options for Toledo Flatliner



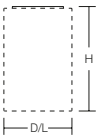
Basic luminaire for ceiling
or pendant mounting

Chintz fabric lampshade available
in cuboid or cylinder shape in more
than 70 different colours.
See p. 335 for overview of colours

Satin finish diffusers made of
polycarbonate are optionally available



Ceiling luminaires | Toledo Flatliner



Type of Protection: **IP 40**
Protection Class: II

Basic luminaire: Cylinder housing: sheet steel, powder coated. Housing: die cast aluminium and sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Light guide and plastic cover made of non-yellowing PMMA, opal matt. Lampshades can be mounted without tools. Ceiling mounting.

Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white
Other colours (see page 335) available at the same price.
Please include the colour code in your order.

Modular design: The lampshades need to be ordered separately for each luminaire.
The use of the diffuser is optional.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 200, ceiling mounting							
901628.002	D 160, H 65	LED	830	260 lm	5 W	on/off	A+
901628.002.1	D 160, H 65	LED	840	290 lm	5 W	on/off	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades							**Price Category 21**
Toledo Flatliner 200							
Height of the fabric lampshade 120 mm							
982493.002	D 200, H 120	Cylinder shape					
982497.002	L 200, B 200, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982299.002	D 200, H 300	Cylinder shape					
982309.002	L 200, B 200, H 300	Cuboid shape					



Satin finish polycarbonate diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982304.002	D 198, H 5	Accessories for Toledo Flatliner 200 cylinder shape	
982314.002	L 198, B 198, H 5	Accessories for Toledo Flatliner 200 cuboid shape	

Diffusers with Chintz fabric in all colours on request.

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 242, ceiling mounting							
901630.002	D 202, H 65	LED	830	530 lm	9 W	on/off	A+
901630.002.76	D 202, H 65	LED	830	530 lm	9 W	DALI	A+
901630.002.1	D 202, H 65	LED	840	650 lm	9 W	on/off	A+
901630.002.1.76	D 202, H 65	LED	840	650 lm	9 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades							**Price Category 21**
Toledo Flatliner 242							
Height of the fabric lampshade 120 mm							
982494.002	D 242, H 120	Cylinder shape					
982498.002	L 242, B 242, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982300.002	D 242, H 300	Cylinder shape					
982310.002	L 242, B 242, H 300	Cuboid shape					



Satin finish polycarbonate diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982305.002	D 240, H 5	Accessories for Toledo Flatliner 242 cylinder shape	
982315.002	L 240, B 240, H 5	Accessories for Toledo Flatliner 242 cuboid shape	

Diffusers with Chintz fabric in all colours on request.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 307, ceiling mounting							
901632.002	D 268, H 70	LED	830	1250 lm	18 W	on/off	A+
901632.002.76	D 268, H 70	LED	830	1250 lm	18 W	DALI	A+
901632.002.1	D 268, H 70	LED	840	1400 lm	18 W	on/off	A+
901632.002.1.76	D 268, H 70	LED	840	1400 lm	18 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 18 W ≈
2 x 18 W TC-D (52 W CB)

Chintz lampshades			**Price Category 21**
Toledo Flatliner 307			
Height of the fabric lampshade 120 mm			
982495.002	D 307, H 120	Cylinder shape	
982499.002	L 307, B 307, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982301.002	D 307, H 300	Cylinder shape	
982311.002	L 307, B 307, H 300	Cuboid shape	



Satin finish polycarbonate diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982306.002	D 305, H 5	Accessories for Toledo Flatliner 307 cylinder shape
982316.002	L 305, B 305, H 5	Accessories for Toledo Flatliner 307 cuboid shape

Diffusers with Chintz fabric in all colours on request.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 369, ceiling mounting							
901634.002	D 330, H 70	LED	830	1700 lm	23 W	on/off	A+
901634.002.76	D 330, H 70	LED	830	1700 lm	23 W	DALI	A+
901634.002.1	D 330, H 70	LED	840	1950 lm	23 W	on/off	A+
901634.002.1.76	D 330, H 70	LED	840	1950 lm	23 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 23 W ≈
2 x 26 W TC-D (68 W CB)

Chintz lampshades			**Price Category 21**
Toledo Flatliner 369			
Height of the fabric lampshade 120 mm			
982496.002	D 369, H 120	Cylinder shape	
982500.002	L 369, B 369, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982302.002	D 369, H 300	Cylinder shape	
982312.002	L 369, B 369, H 300	Cuboid shape	



Satin finish polycarbonate diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982307.002	D 367, H 5	Accessories for Toledo Flatliner 369 cylinder shape
982317.002	L 367, B 367, H 5	Accessories for Toledo Flatliner 369 cuboid shape

Diffusers with Chintz fabric in all colours on request.

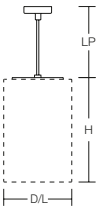


Chintz lampshades		**Price Category 21**
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	





Pendant luminaires | Toledo Flatliner



Type of Protection: IP 20
Protection Class: I
Suspension Length: 2000 mm

Basic luminaire: Cylinder housing sheet steel, powder coated. Housing: die cast aluminium and sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Light guide and plastic cover made of non-yellowing PMMA, opal matt. Lampshades can be mounted without tools. Transparent suspension cable 2 m, can be shortened. Canopy: sheet steel, powder coated.

Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white
Other colours (see page 335) available at the same price.
Please include the colour code in your order.

Modular design: The lampshades need to be ordered separately for each luminaire.
The use of the diffuser is optional.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 200, pendant length LP 2000 mm							
901629.002	D 162, H 90	LED	830	260 lm	5 W	on/off	A+
901629.002.1	D 162, H 90	LED	840	300 lm	5 W	on/off	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
Toledo Flatliner 200			
Height of the fabric lampshade 120 mm			
982493.002	D 200, H 120	Cylinder shape	
982497.002	L 200, B 200, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982299.002	D 200, H 300	Cylinder shape	
982309.002	L 200, B 200, H 300	Cuboid shape	



Satin finish polycarbonate diffuser (optional)			Price Category 21
Can be installed on the decorative element without any tools			
982304.002	D 198, H 5	Accessories for Toledo Flatliner 200 cylinder shape	
982314.002	L 198, B 198, H 5	Accessories for Toledo Flatliner 200 cuboid shape	

Diffusers with Chintz fabric in all colours on request.

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 242, pendant length LP 2000 mm							
901631.002	D 204, H 91	LED	830	530 lm	9 W	on/off	A+
901631.002.76	D 204, H 91	LED	830	530 lm	9 W	DALI	A+
901631.002.1	D 204, H 91	LED	840	650 lm	9 W	on/off	A+
901631.002.1.76	D 204, H 91	LED	840	650 lm	9 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades			Price Category 21
Toledo Flatliner 242			
Height of the fabric lampshade 120 mm			
982494.002	D 242, H 120	Cylinder shape	
982498.002	L 242, B 242, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982300.002	D 242, H 300	Cylinder shape	
982310.002	L 242, B 242, H 300	Cuboid shape	



Satin finish polycarbonate diffuser (optional)			Price Category 21
Can be installed on the decorative element without any tools			
982305.002	D 240, H 5	Accessories for Toledo Flatliner 242 cylinder shape	
982315.002	L 240, B 240, H 5	Accessories for Toledo Flatliner 242 cuboid shape	

Diffusers with Chintz fabric in all colours on request.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 307, pendant length LP 2000 mm							
901633.002	D 270, H 96	LED	830	1250 lm	18 W	on/off	A+
901633.002.76	D 270, H 96	LED	830	1250 lm	18 W	DALI	A+
901633.002.1	D 270, H 96	LED	840	1400 lm	18 W	on/off	A+
901633.002.1.76	D 270, H 96	LED	840	1400 lm	18 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 18 W ≈
2 x 18 W TC-D (52 W CB)

Chintz lampshades			**Price Category 21**
Toledo Flatliner 307			
Height of the fabric lampshade 120 mm			
982495.002	D 307, H 120	Cylinder shape	
982499.002	L 307, B 307, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982301.002	D 307, H 300	Cylinder shape	
982311.002	L 307, B 307, H 300	Cuboid shape	



Satin finish polycarbonate diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982306.002	D 305, H 5	Accessories for Toledo Flatliner 307 cylinder shape
982316.002	L 305, B 305, H 5	Accessories for Toledo Flatliner 307 cuboid shape

Diffusers with Chintz fabric in all colours on request.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Basic luminaire for lampshade attachment							**Price Category 21**
Toledo Flatliner 369, pendant length LP 2000 mm							
901635.002	D 331, H 96	LED	830	1750 lm	23 W	on/off	A+
901635.002.76	D 331, H 98	LED	830	1750 lm	23 W	DALI	A+
901635.002.1	D 331, H 96	LED	840	1950 lm	23 W	on/off	A+
901635.002.1.76	D 331, H 98	LED	840	1950 lm	23 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.

Comparison
LED vs. conventional lamps

LED 23 W ≈
2 x 26 W TC-D (68 W CB)

Chintz lampshades			**Price Category 21**
Toledo Flatliner 369			
Height of the fabric lampshade 120 mm			
982496.002	D 369, H 120	Cylinder shape	
982500.002	L 369, B 369, H 120	Cuboid shape	
Height of the fabric lampshade 300 mm			
982302.002	D 369, H 300	Cylinder shape	
982312.002	L 369, B 369, H 300	Cuboid shape	



Satin finish polycarbonate diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982307.002	D 367, H 5	Accessories for Toledo Flatliner 369 cylinder shape
982317.002	L 367, B 367, H 5	Accessories for Toledo Flatliner 369 cuboid shape

Diffusers with Chintz fabric in all colours on request.



Chintz lampshades		**Price Category 21**
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	



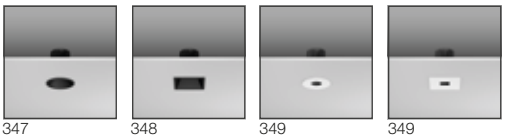


The application image shows:
Pascala
Less is more 27

© Linus Lintner


345

PAR16
344-345


347 348 349 349

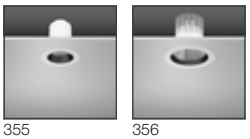
Levido
Levido Darklight
346-349


351 351 351

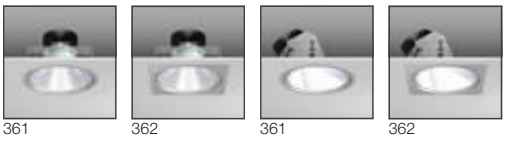
Arelo
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353 353 353

Energo Darklight
352-353


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Heledon
354-357


361 362 361 362

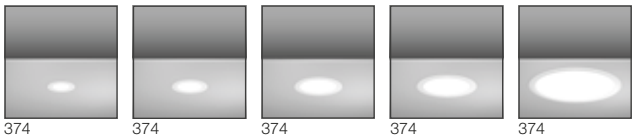
Pascala
358-363


366-367 368-369

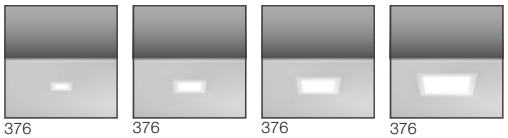
Ledona
364-369


371 371

Ledona ECO
370-371


374 374 374 374 374

Toledo Flat Round
372-375


376 376 376 376

Toledo Flat Square
376-377


379 379 379

Toledo
378-379


380

Quardo LED 165
380-381

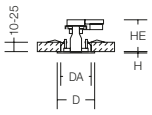


The application image shows:
PAR16
Pascala

© Linus Lintner



Recessed downlights | PAR16



Type of Protection: **IP 23**
Protection Class: I
Ceiling Thickness: 10-25 mm
Impact Protection: IK02

Recessed ring and housing: metal, powder-coated.
Lampholder: GU10 with lamp changer. Housing: rigid.

Lamp not included.

Available colours (X): 2 = white, 44 = chrome coloured





Reference number	Dimensions	Lamp	UGR	dimm-able	EEC
Recessed downlights					**Price Category 21**
Ceiling cut out DA 65 mm, HE 72 mm					
911004.00X	D 81, H 3	1 x QPAR16 50 W	19,8	on/off	A+ - D



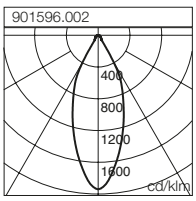
Phase-cut DALI PLUG&PLAY

LEVIDO

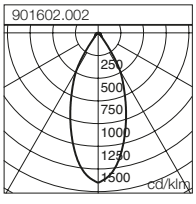
Recessed downlights

- Decorative LED downlight with daintily small dimensions
- Cover die-cast aluminium
- Alternative for low-voltage downlights 35 W and 50 W
- Protection type IP 44
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Plug connection between converter and luminaire
- Two different beam angles
- Very good glare limitation due to back-mounted LED
- Versions with dark light cover
- Safety glass cover to protect the LED
- Opal PMMA plastic cover included; can be fitted without tools (not for Darklight version)
- Versions for DALI and phase cut dimming
- DALI converter is compatible with DC, suitable for central battery system

901596.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	8	10
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	12	19



901602.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	8	10
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
8	11	19





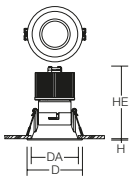
Further luminaires of this series, see:
Indoor lighting | Recessed projectors



Opal PMMA plastic cover included as accessory.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | Levido Round





Type of Protection: **IP 44**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Die-cast aluminium cover, powder-coated. Extruded aluminium heat sink. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system.
Incl. separate LED converter with connecting cable 250 mm.
Opal PMMA plastic cover included as accessory.

Available colours: 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 78 mm, HE 120 mm									
901593.002.2	D 91, H 2	LED	827	570 lm	8 W	24°	17,4	on/off	A+
901593.003.2	D 91, H 2	LED	827	480 lm	8 W	24°	7,2	on/off	A+
901594.002.2	D 91, H 2	LED	827	550 lm	8 W	40°	17,5	on/off	A+
901594.003.2	D 91, H 2	LED	827	460 lm	8 W	40°	7,3	on/off	A+
901593.002	D 91, H 2	LED	830	570 lm	8 W	24°	17,4	on/off	A+
901593.003	D 91, H 2	LED	830	480 lm	8 W	24°	7,2	on/off	A+
901594.002	D 91, H 2	LED	830	550 lm	8 W	40°	17,5	on/off	A+
901594.003	D 91, H 2	LED	830	460 lm	8 W	40°	7,3	on/off	A+
901593.002.1	D 91, H 2	LED	840	610 lm	8 W	24°	17,6	on/off	A+
901593.003.1	D 91, H 2	LED	840	510 lm	8 W	24°	7,4	on/off	A+
901594.002.1	D 91, H 2	LED	840	570 lm	8 W	40°	17,6	on/off	A+
901594.003.1	D 91, H 2	LED	840	480 lm	8 W	40°	7,5	on/off	A+
901595.002.2	D 91, H 2	LED	827	890 lm	13 W	24°	19,0	on/off	A+
901595.002.2.76 *	D 91, H 2	LED	827	890 lm	13 W	24°	19,0	DALI	A+
901597.002.2 **	D 91, H 2	LED	827	980 lm	16 W	24°	19,4	Phase-cut	A+
901595.003.2	D 91, H 2	LED	827	760 lm	13 W	24°	8,5	on/off	A+
901595.003.2.76 *	D 91, H 2	LED	827	760 lm	13 W	24°	8,5	DALI	A+
901597.003.2 **	D 91, H 2	LED	827	840 lm	16 W	24°	8,8	Phase-cut	A+
901596.002.2	D 91, H 2	LED	827	880 lm	13 W	40°	19,1	on/off	A+
901596.002.2.76 *	D 91, H 2	LED	827	880 lm	13 W	40°	19,1	DALI	A+
901598.002.2 **	D 91, H 2	LED	827	970 lm	16 W	40°	19,4	Phase-cut	A+
901596.003.2	D 91, H 2	LED	827	740 lm	13 W	40°	9,3	on/off	A+
901596.003.2.76 *	D 91, H 2	LED	827	740 lm	13 W	40°	9,3	DALI	A+
901598.003.2 **	D 91, H 2	LED	827	810 lm	16 W	40°	9,6	Phase-cut	A+
901595.002	D 91, H 2	LED	830	890 lm	13 W	24°	19,0	on/off	A+
901595.002.76 *	D 91, H 2	LED	830	890 lm	13 W	24°	19,0	DALI	A+
901597.002 **	D 91, H 2	LED	830	980 lm	16 W	24°	19,4	Phase-cut	A+
901595.003	D 91, H 2	LED	830	760 lm	13 W	24°	8,5	on/off	A+
901595.003.76 *	D 91, H 2	LED	830	760 lm	13 W	24°	8,5	DALI	A+
901597.003 **	D 91, H 2	LED	830	840 lm	16 W	24°	8,8	Phase-cut	A+
901596.002	D 91, H 2	LED	830	880 lm	13 W	40°	19,1	on/off	A+
901596.002.76 *	D 91, H 2	LED	830	880 lm	13 W	40°	19,1	DALI	A+
901598.002 **	D 91, H 2	LED	830	970 lm	16 W	40°	19,4	Phase-cut	A+
901596.003	D 91, H 2	LED	830	740 lm	13 W	40°	9,3	on/off	A+
901596.003.76 *	D 91, H 2	LED	830	740 lm	13 W	40°	9,3	DALI	A+
901598.003 **	D 91, H 2	LED	830	810 lm	16 W	40°	9,6	Phase-cut	A+
901595.002.1	D 91, H 2	LED	840	950 lm	13 W	24°	19,2	on/off	A+
901595.002.1.76 *	D 91, H 2	LED	840	950 lm	13 W	24°	19,2	DALI	A+
901597.002.1 **	D 91, H 2	LED	840	1150 lm	16 W	24°	19,6	Phase-cut	A+
901595.003.1	D 91, H 2	LED	840	810 lm	13 W	24°	8,7	on/off	A+
901595.003.1.76 *	D 91, H 2	LED	840	810 lm	13 W	24°	8,7	DALI	A+
901597.003.1 **	D 91, H 2	LED	840	940 lm	16 W	24°	9,1	Phase-cut	A+
901596.002.1	D 91, H 2	LED	840	940 lm	13 W	40°	19,3	on/off	A+
901596.002.1.76 *	D 91, H 2	LED	840	940 lm	13 W	40°	19,3	DALI	A+
901598.002.1 **	D 91, H 2	LED	840	1050 lm	16 W	40°	19,6	Phase-cut	A+
901596.003.1	D 91, H 2	LED	840	790 lm	13 W	40°	9,5	on/off	A+
901596.003.1.76 *	D 91, H 2	LED	840	790 lm	13 W	40°	9,5	DALI	A+
901598.003.1 **	D 91, H 2	LED	840	870 lm	16 W	40°	9,8	Phase-cut	A+

* DALI converter is compatible with DC for central battery system | ** Suitable for phase cut dimming

Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 35 W QR-CB (39 W CB)

LED 13 / 16 W ≈
1 x 50 W QR51 (55 W CB)





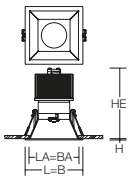
Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 35 W QR-CB (39 W CB)

LED 13 / 16 W ≈
1 x 50 W QR51 (55 W CB)



Recessed downlights | Levido Square



Type of Protection: **IP 44**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Die-cast aluminium cover, powder-coated. Extruded aluminium heat sink. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system.
Incl. separate LED converter with connecting cable 250 mm.
Opal PMMA plastic cover included as accessory.

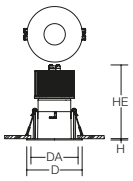
Available colours: 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out LA 86 x BA 86 mm, HE 120 mm									
901599.002.2	L 98, B 98, H 2	LED	827	590 lm	8 W	24°	14,8	on/off	A+
901599.003.2	L 98, B 98, H 2	LED	827	510 lm	8 W	24°	11,8	on/off	A+
901600.002.2	L 98, B 98, H 2	LED	827	560 lm	8 W	40°	15,0	on/off	A+
901600.003.2	L 98, B 98, H 2	LED	827	490 lm	8 W	40°	11,6	on/off	A+
901599.002	L 98, B 98, H 2	LED	830	590 lm	8 W	24°	14,8	on/off	A+
901599.003	L 98, B 98, H 2	LED	830	510 lm	8 W	24°	11,8	on/off	A+
901600.002	L 98, B 98, H 2	LED	830	560 lm	8 W	40°	15,0	on/off	A+
901600.003	L 98, B 98, H 2	LED	830	490 lm	8 W	40°	11,6	on/off	A+
901599.002.1	L 98, B 98, H 2	LED	840	620 lm	8 W	24°	14,9	on/off	A+
901599.003.1	L 98, B 98, H 2	LED	840	540 lm	8 W	24°	11,9	on/off	A+
901600.002.1	L 98, B 98, H 2	LED	840	580 lm	8 W	40°	15,1	on/off	A+
901600.003.1	L 98, B 98, H 2	LED	840	510 lm	8 W	40°	11,8	on/off	A+
901601.002.2	L 98, B 98, H 2	LED	827	920 lm	13 W	24°	16,3	on/off	A+
901601.002.2.76 *	L 98, B 98, H 2	LED	827	920 lm	13 W	24°	16,3	DALI	A+
901603.002.2 **	L 98, B 98, H 2	LED	827	1050 lm	16 W	24°	16,6	Phase-cut	A+
901601.003.2	L 98, B 98, H 2	LED	827	810 lm	13 W	24°	13,4	on/off	A+
901601.003.2.76 *	L 98, B 98, H 2	LED	827	810 lm	13 W	24°	13,4	DALI	A+
901603.003.2 **	L 98, B 98, H 2	LED	827	900 lm	16 W	24°	13,7	Phase-cut	A+
901602.002.2	L 98, B 98, H 2	LED	827	900 lm	13 W	40°	16,6	on/off	A+
901602.002.2.76 *	L 98, B 98, H 2	LED	827	900 lm	13 W	40°	16,6	DALI	A+
901604.002.2 **	L 98, B 98, H 2	LED	827	990 lm	16 W	40°	17,0	Phase-cut	A+
901602.003.2	L 98, B 98, H 2	LED	827	790 lm	13 W	40°	13,3	on/off	A+
901602.003.2.76 *	L 98, B 98, H 2	LED	827	790 lm	13 W	40°	13,3	DALI	A+
901604.003.2 **	L 98, B 98, H 2	LED	827	870 lm	16 W	40°	13,6	Phase-cut	A+
901601.002	L 98, B 98, H 2	LED	830	920 lm	13 W	24°	16,3	on/off	A+
901601.002.76 *	L 98, B 98, H 2	LED	830	920 lm	13 W	24°	16,3	DALI	A+
901603.002 **	L 98, B 98, H 2	LED	830	1050 lm	16 W	24°	16,6	Phase-cut	A+
901601.003	L 98, B 98, H 2	LED	830	810 lm	13 W	24°	13,4	on/off	A+
901601.003.76 *	L 98, B 98, H 2	LED	830	810 lm	13 W	24°	13,4	DALI	A+
901603.003 **	L 98, B 98, H 2	LED	830	900 lm	16 W	24°	13,7	Phase-cut	A+
901602.002	L 98, B 98, H 2	LED	830	900 lm	13 W	40°	16,6	on/off	A+
901602.002.76 *	L 98, B 98, H 2	LED	830	900 lm	13 W	40°	16,6	DALI	A+
901604.002 **	L 98, B 98, H 2	LED	830	990 lm	16 W	40°	17,0	Phase-cut	A+
901602.003	L 98, B 98, H 2	LED	830	790 lm	13 W	40°	13,3	on/off	A+
901602.003.76 *	L 98, B 98, H 2	LED	830	790 lm	13 W	40°	13,3	DALI	A+
901604.003 **	L 98, B 98, H 2	LED	830	870 lm	16 W	40°	13,6	Phase-cut	A+
901601.002.1	L 98, B 98, H 2	LED	840	970 lm	13 W	24°	16,5	on/off	A+
901601.002.1.76 *	L 98, B 98, H 2	LED	840	970 lm	13 W	24°	16,5	DALI	A+
901603.002.1 **	L 98, B 98, H 2	LED	840	1150 lm	16 W	24°	16,8	Phase-cut	A+
901601.003.1	L 98, B 98, H 2	LED	840	860 lm	13 W	24°	13,6	on/off	A+
901601.003.1.76 *	L 98, B 98, H 2	LED	840	860 lm	13 W	24°	13,6	DALI	A+
901603.003.1 **	L 98, B 98, H 2	LED	840	950 lm	16 W	24°	13,9	Phase-cut	A+
901602.002.1	L 98, B 98, H 2	LED	840	960 lm	13 W	40°	16,9	on/off	A+
901602.002.1.76 *	L 98, B 98, H 2	LED	840	960 lm	13 W	40°	16,9	DALI	A+
901604.002.1 **	L 98, B 98, H 2	LED	840	1100 lm	16 W	40°	17,2	Phase-cut	A+
901602.003.1	L 98, B 98, H 2	LED	840	840 lm	13 W	40°	13,5	on/off	A+
901602.003.1.76 *	L 98, B 98, H 2	LED	840	840 lm	13 W	40°	13,5	DALI	A+
901604.003.1 **	L 98, B 98, H 2	LED	840	920 lm	16 W	40°	13,8	Phase-cut	A+

* DALI converter is compatible with DC for central battery system | ** Suitable for phase cut dimming

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Recessed downlights | Levido Round Darklight





Type of Protection: **IP 44**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Die-cast aluminium cover, powder-coated. Extruded aluminium heat sink. Reflector: aluminium, highly polished anodised finish. With safety glass. Internal sleeve black plastic. Ceiling installation with spring system. Incl. separate LED converter with connecting cable 250 mm.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 78 mm, HE 120 mm									
901642.00X.2	D 91, H 2	LED	827	200 lm	8 W	27°	9,9	on/off	A+
901642.00X	D 91, H 2	LED	830	200 lm	8 W	27°	9,9	on/off	A+
901642.00X.1	D 91, H 2	LED	840	200 lm	8 W	27°	10,1	on/off	A+
901643.00X.2	D 91, H 2	LED	827	310 lm	13 W	27°	11,6	on/off	A+
901643.00X.2.76 *	D 91, H 2	LED	827	310 lm	13 W	27°	11,6	DALI	A+
901644.00X.2 **	D 91, H 2	LED	827	350 lm	16 W	27°	11,9	Phase-cut	A+
901643.00X	D 91, H 2	LED	830	310 lm	13 W	27°	11,6	on/off	A+
901643.00X.76 *	D 91, H 2	LED	830	310 lm	13 W	27°	11,6	DALI	A+
901644.00X **	D 91, H 2	LED	830	350 lm	16 W	27°	11,9	Phase-cut	A+
901643.00X.1	D 91, H 2	LED	840	320 lm	13 W	27°	11,7	on/off	A+
901643.00X.1.76 *	D 91, H 2	LED	840	320 lm	13 W	27°	10,1	DALI	A+
901644.00X.1 **	D 91, H 2	LED	840	360 lm	16 W	27°	12,0	Phase-cut	A+

* DALI converter is compatible with DC for central battery system | ** Suitable for phase cut dimming

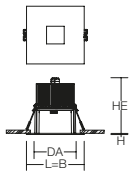
Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 35 W QR-CB (39 W CB)

LED 13 / 16 W ≈
1 x 50 W QR51 (55 W CB)



Recessed downlights | Levido Square Darklight





Type of Protection: **IP 44**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Die-cast aluminium cover, powder-coated. Extruded aluminium heat sink. Reflector: aluminium, highly polished anodised finish. With safety glass. Internal sleeve black plastic. Ceiling installation with spring system. Incl. separate LED converter with connecting cable 250 mm.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 78 mm, HE 120 mm									
901645.00X.2	L 98, B 98, H 2	LED	827	190 lm	8 W	26°	9,8	on/off	A+
901645.00X	L 98, B 98, H 2	LED	830	190 lm	8 W	26°	9,8	on/off	A+
901645.00X.1	L 98, B 98, H 2	LED	840	190 lm	8 W	26°	9,9	on/off	A+
901646.00X.2	L 98, B 98, H 2	LED	827	300 lm	13 W	26°	11,4	on/off	A+
901646.00X.2.76 *	L 98, B 98, H 2	LED	827	300 lm	13 W	26°	11,4	DALI	A+
901647.00X.2 **	L 98, B 98, H 2	LED	827	330 lm	16 W	26°	11,7	Phase-cut	A+
901646.00X	L 98, B 98, H 2	LED	830	300 lm	13 W	26°	11,4	on/off	A+
901646.00X.76 *	L 98, B 98, H 2	LED	830	300 lm	13 W	26°	11,4	DALI	A+
901647.00X **	L 98, B 98, H 2	LED	830	330 lm	16 W	26°	11,7	Phase-cut	A+
901646.00X.1	L 98, B 98, H 2	LED	840	300 lm	13 W	26°	11,5	on/off	A+
901646.00X.1.76 *	L 98, B 98, H 2	LED	840	300 lm	13 W	26°	11,5	DALI	A+
901647.00X.1 **	L 98, B 98, H 2	LED	840	340 lm	16 W	26°	11,9	Phase-cut	A+

* DALI converter is compatible with DC for central battery system | ** Suitable for phase cut dimming

Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 35 W QR-CB (39 W CB)

LED 13 / 16 W ≈
1 x 50 W QR51 (55 W CB)





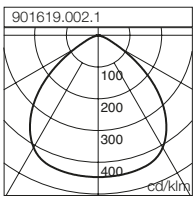
DALI

ARELO®

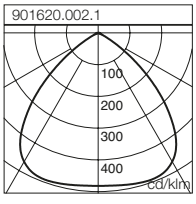
Recessed downlights

- High efficiency recessed LED downlight with faceted reflector in three sizes
- Housing made of shockproof, UV-resistant polycarbonate
- Aluminium faceted reflector, highly polished anodised finish for brilliant illumination
- Satin finish LED diffuser to reduce direct glare
- Highly homogeneous light distribution through the combination of the reflector and the satin finish LED diffuser
- Protection type IP 44
- LED rated life 50,000 h (L70, B50)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Suitable for through-wiring
- Easy to install thanks to tool-free spring fastening system

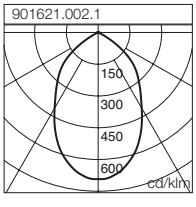
901619.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	11	14
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
10	15	25



901620.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	10

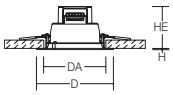


901621.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | Arelo





Type of Protection: **IP 44**
Protection Class: II
Ceiling Thickness: 1-25 mm
Impact Protection: IK05

Bezel ring: die-cast aluminium, powder coated. Housing: plastic (UV resistant polycarbonate). Aluminium faceted reflector, highly polished anodised finish. LED diffuser, satin finish (UV-resistant polycarbonate), shockproof. Spring fastening system. Suitable for through-wiring. On/off version with integrated converter. DALI version with separate converter.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 105 mm, HE 100 mm									
901619.002	D 130, H 2	LED	827	730 lm	8 W	99°	25,0	on/off	A+
901619.002.1	D 130, H 2	LED	840	840 lm	8 W	99°	25,3	on/off	A+
Ceiling cut out DA 105 mm, HE 140 mm									
901619.002.76	D 130, H 2	LED	827	730 lm	9 W	99°	25,0	DALI	A+
901619.002.1.76	D 130, H 2	LED	840	840 lm	9 W	99°	25,3	DALI	A+
Ceiling cut out DA 150 mm, HE 140 mm									
901620.002	D 172, H 2	LED	827	1700 lm	17 W	94°	23,5	on/off	A+
901620.002.76	D 172, H 2	LED	827	1700 lm	18 W	94°	23,5	DALI	A+
901620.002.1	D 172, H 2	LED	840	1950 lm	17 W	94°	23,9	on/off	A+
901620.002.1.76	D 172, H 2	LED	840	1950 lm	18 W	94°	23,9	DALI	A+
Ceiling cut out DA 200 mm, HE 140 mm									
901621.002	D 225, H 4	LED	827	2650 lm	26 W	71°	22,4	on/off	A+
901621.002.76	D 225, H 4	LED	827	2650 lm	27 W	71°	22,4	DALI	A+
901621.002.1	D 225, H 4	LED	840	3000 lm	26 W	71°	22,9	on/off	A+
901621.002.1.76	D 225, H 4	LED	840	3000 lm	27 W	71°	22,9	DALI	A+

Comparison
LED vs. conventional lamps

LED 8 / 9 W ≈
1 x 18 W TC-D (26 W CB)

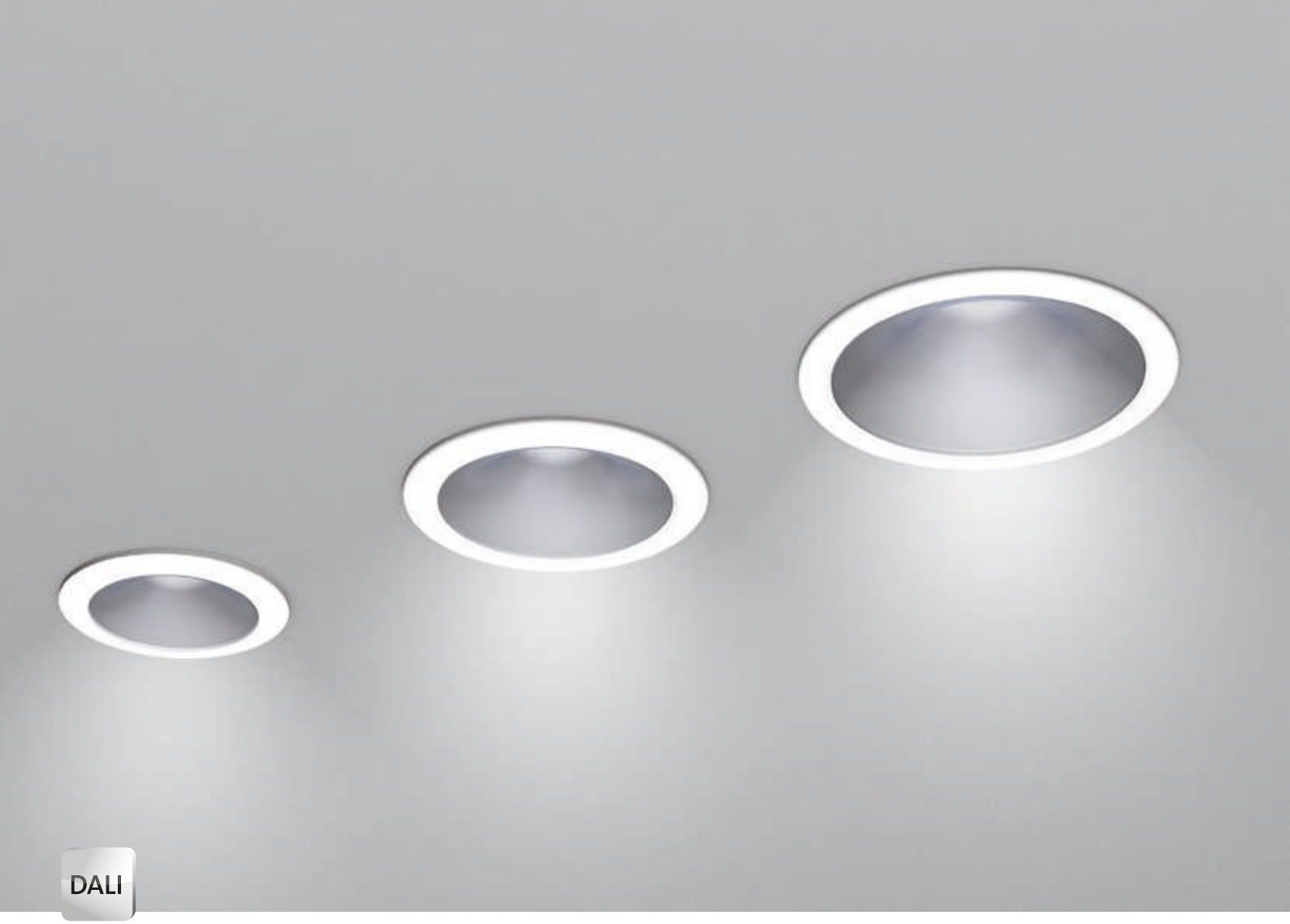
LED 17 / 18 W ≈
1 x 42 W TC-TEL (47 W EB)

LED 26 / 27 W ≈
2 x 32 W TC-TEL (69 W EB)









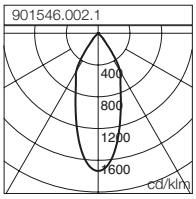
DALI

ENERGO® DARKLIGHT

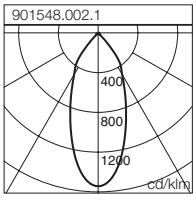
Recessed downlights

- High quality recessed downlight
- Die cast aluminium ring with trumpet reflector
- Trumpet reflector creates a darklight effect, i.e. when switched on, the luminaire appears dark (when seen from the side), you don't need turbo louvre any more to creat this effect
- Harmonised lighting
- Excellent glare suppression
- Uses up to 65% less energy than conventional fluorescent downlights
- Ra 85 as standard, optionally Ra 95 also possible
- LED rated life 50,000 h (L80, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- The converter is compatible with DC, making it ideal for central battery systems
- Easy to install thanks to tool-free spring fastening system

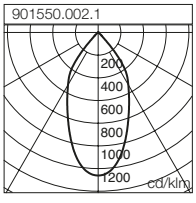
901546.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	7



901548.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5

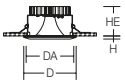


901550.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | Energo Darklight



Type of Protection: IP 20
Protection Class: I, II
Ceiling Thickness: 3-18 mm, 1-18 mm, 1-20 mm
Impact Protection: IK03

Recessed and bezel ring: die-cast aluminium. Bezel ring with bayonet fixing. Recessed mounting frame: sheet steel, powder-coated. Heat sink made of black anodised extruded aluminium. Trumpet reflector: high purity aluminium, matt. Ceiling installation with spring system. LED converter in separate box. With connecting cable (L 400 mm). Suitable for through-wiring. Converter connected for standard (on/off) or DALI dimmable. Compatible with DC, ideal for central battery systems.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimmable	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 140 mm, HE 154 mm, Ceiling thickness: 3-18 mm									
901545.002	D 156, H 9	LED	830	1200 lm	10 W	38°	16,0	on/off	A+
901545.002.76	D 156, H 9	LED	830	1200 lm	10 W	38°	16,0	DALI	A+
901545.002.1	D 156, H 9	LED	840	1250 lm	10 W	38°	16,2	on/off	A+
901545.002.1.76	D 156, H 9	LED	840	1250 lm	10 W	38°	16,2	DALI	A+
901546.002	D 156, H 9	LED	830	2100 lm	18 W	38°	18,0	on/off	A++
901546.002.76	D 156, H 9	LED	830	2100 lm	18 W	38°	18,0	DALI	A++
901546.002.1	D 156, H 9	LED	840	2200 lm	18 W	38°	18,2	on/off	A++
901546.002.1.76	D 156, H 9	LED	840	2200 lm	18 W	38°	18,2	DALI	A++
Ceiling cut out DA 175 mm, HE 160 mm, Ceiling thickness: 1-18 mm									
901547.002	D 195, H 9	LED	830	2150 lm	18 W	42°	16,6	on/off	A++
901547.002.76	D 195, H 9	LED	830	2150 lm	18 W	42°	16,6	DALI	A++
901547.002.1	D 195, H 9	LED	840	2250 lm	18 W	42°	16,8	on/off	A++
901547.002.1.76	D 195, H 9	LED	840	2250 lm	18 W	42°	16,8	DALI	A++
901548.002	D 195, H 9	LED	830	3100 lm	27 W	42°	17,9	on/off	A++
901548.002.76	D 195, H 9	LED	830	3100 lm	27 W	42°	17,9	DALI	A++
901548.002.1	D 195, H 9	LED	840	3250 lm	27 W	42°	18,1	on/off	A++
901548.002.1.76	D 195, H 9	LED	840	3250 lm	27 W	42°	18,1	DALI	A++
Ceiling cut out DA 210 mm, HE 175 mm, Ceiling thickness: 1-20 mm									
901549.002	D 230, H 9	LED	830	3050 lm	27 W	51°	17,2	on/off	A++
901549.002.76	D 230, H 9	LED	830	3050 lm	27 W	51°	17,2	DALI	A++
901549.002.1	D 230, H 9	LED	840	3200 lm	27 W	51°	17,4	on/off	A++
901549.002.1.76	D 230, H 9	LED	840	3200 lm	27 W	51°	17,4	DALI	A++
901550.002	D 230, H 9	LED	830	3850 lm	36 W	51°	18,0	on/off	A++
901550.002.76	D 230, H 9	LED	830	3850 lm	36 W	51°	18,0	DALI	A++
901550.002.1	D 230, H 9	LED	840	4050 lm	36 W	51°	18,2	on/off	A++
901550.002.1.76	D 230, H 9	LED	840	4050 lm	36 W	51°	18,2	DALI	A++

Ra > 90 options on request

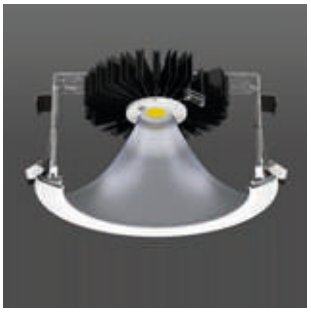
Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 26 W TC-D (34 W CB)

LED 18 W ≈
1 x 42 W TC-TEL (47 W EB)

LED 27 W ≈
2 x 32 W TC-TEL (69 W EB)

LED 36 W ≈
3 x 26 W TC-D (102 W CB)



Trumpet reflector for darklight effect



DALI PLUG&PLAY

HELEDON®

Recessed downlights

- High quality die-cast aluminium housing in two sizes
- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Suitable for reflector as well as lens technologies
- MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone
- Different lenses, also with very wide light distribution and corridor oval as standard
- Interchangeable lenses with different beam angles
- Black plastic ring and recessed LED for avoiding glare from the side

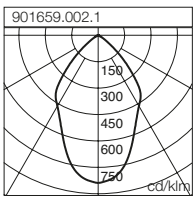




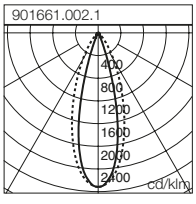
Further luminaires of this series, see:
Indoor lighting | Surface mounted downlights

- Further light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 as well as with Maxi special food LEDs: champagne with Ra 97, meat and meat fresh available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- Separate converter box with connecting cable
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring

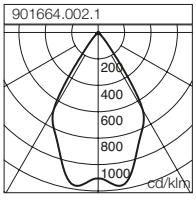
901659.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



901661.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7

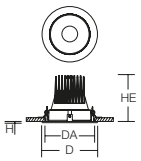


901664.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | Heledon Mini





Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Colours black and silver on request

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 114 mm, HE 120 mm									
Including lens for best uniformity of the light cone									
901656.002	D 124, H 3	LED	830	2000 lm	19 W	70°	25,0	on/off	A++
901656.002.76	D 124, H 3	LED	830	2000 lm	19 W	70°	25,0	DALI	A++
901656.002.1	D 124, H 3	LED	840	2100 lm	19 W	70°	25,2	on/off	A++
901656.002.1.76	D 124, H 3	LED	840	2100 lm	19 W	70°	25,2	DALI	A++
901659.002	D 124, H 3	LED	830	2900 lm	29 W	70°	26,3	on/off	A++
901659.002.76	D 124, H 3	LED	830	2900 lm	29 W	70°	26,3	DALI	A++
901659.002.1	D 124, H 3	LED	840	3050 lm	29 W	70°	26,5	on/off	A++
901659.002.1.76	D 124, H 3	LED	840	3050 lm	29 W	70°	26,5	DALI	A++
Including lens with oval light distribution for corridor									
901658.002	D 124, H 3	LED	830	1700 lm	19 W	27°/38°	19,1	on/off	A++
901658.002.76	D 124, H 3	LED	830	1700 lm	19 W	27°/38°	19,1	DALI	A++
901658.002.1	D 124, H 3	LED	840	1800 lm	19 W	27°/38°	19,2	on/off	A++
901658.002.1.76	D 124, H 3	LED	840	1800 lm	19 W	27°/38°	19,2	DALI	A++
901661.002	D 124, H 3	LED	830	2450 lm	29 W	27°/38°	20,3	on/off	A++
901661.002.76	D 124, H 3	LED	830	2450 lm	29 W	27°/38°	20,3	DALI	A++
901661.002.1	D 124, H 3	LED	840	2550 lm	29 W	27°/38°	20,5	on/off	A++
901661.002.1.76	D 124, H 3	LED	840	2550 lm	29 W	27°/38°	20,5	DALI	A++
Including wide beam reflector									
901657.002	D 124, H 3	LED	830	2350 lm	19 W	62°	20,5	on/off	A++
901657.002.76	D 124, H 3	LED	830	2350 lm	19 W	62°	20,5	DALI	A++
901657.002.1	D 124, H 3	LED	840	2450 lm	19 W	62°	20,6	on/off	A++
901657.002.1.76	D 124, H 3	LED	840	2450 lm	19 W	62°	20,6	DALI	A++
901660.002	D 124, H 3	LED	830	3350 lm	29 W	62°	21,7	on/off	A++
901660.002.76	D 124, H 3	LED	830	3350 lm	29 W	62°	21,7	DALI	A++
901660.002.1	D 124, H 3	LED	840	3500 lm	29 W	62°	21,9	on/off	A++
901660.002.1.76	D 124, H 3	LED	840	3500 lm	29 W	62°	21,9	DALI	A++

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 19 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)

Diffuser			Price Category 21
982370.000	D 75, H 3	Safety glass clear	
982370.010	D 75, H 3	Safety glass, satin finish	

Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Honeycomb louvre Mini	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector	
982421.002	D 82, H 31	White plastic ring for lens	

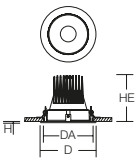


Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector, narrow beam 17°	
982368.013	D 82, H 55	Reflector, medium beam 32°	
982368.023	D 82, H 55	Reflector, wide beam 47°	
982368.033	D 82, H 55	Reflector, wide beam 62°	
982369.003	D 82, H 55	Lens, narrow beam 18°	
982369.013	D 82, H 55	Lens, medium beam 29°	
982369.023	D 82, H 55	Lens, wide beam 44°	
982369.033	D 82, H 55	Lens, very wide beam 70°	
982369.043	D 82, H 55	Lens with oval light distribution for corridor 28°/40°	





Recessed downlights | Heledon Maxi



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Colours black and silver on request

Comparison
LED vs. conventional lamps

LED 24 W ≈
1 x 50 W HIT (60 W CB)

LED 37 W ≈
1 x 70 W HIT (84 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 152 mm, HE 135 mm									
Including lens for best uniformity of the light cone									
901663.002	D 162, H 3	LED	830	2350 lm	24 W	41°	12,9	on/off	A++
901663.002.76	D 162, H 3	LED	830	2350 lm	24 W	41°	12,9	DALI	A++
901663.002.1	D 162, H 3	LED	840	2500 lm	24 W	41°	13,1	on/off	A++
901663.002.1.76	D 162, H 3	LED	840	2500 lm	24 W	41°	13,1	DALI	A++
901665.002	D 162, H 3	LED	830	3300 lm	37 W	41°	14,1	on/off	A++
901665.002.76	D 162, H 3	LED	830	3300 lm	37 W	41°	14,1	DALI	A++
901665.002.1	D 162, H 3	LED	840	3500 lm	37 W	41°	14,2	on/off	A++
901665.002.1.76	D 162, H 3	LED	840	3500 lm	37 W	41°	14,2	DALI	A++
Including reflector for maximum efficiency									
901662.002	D 162, H 3	LED	830	3000 lm	24 W	63°	19,6	on/off	A++
901662.002.76	D 162, H 3	LED	830	3000 lm	24 W	63°	19,6	DALI	A++
901662.002.1	D 162, H 3	LED	840	3150 lm	24 W	63°	19,8	on/off	A++
901662.002.1.76	D 162, H 3	LED	840	3150 lm	24 W	63°	19,8	DALI	A++
901664.002	D 162, H 3	LED	830	4150 lm	37 W	63°	20,8	on/off	A++
901664.002.76	D 162, H 3	LED	830	4150 lm	37 W	63°	20,8	DALI	A++
901664.002.1	D 162, H 3	LED	840	4400 lm	37 W	63°	20,9	on/off	A++
901664.002.1.76	D 162, H 3	LED	840	4400 lm	37 W	63°	20,9	DALI	A++

Ra > 90 options on request

Diffuser			**Price Category 21**
982374.000	D 111, H 3	Safety glass clear	
982374.010	D 111, H 3	Safety glass, satin finish	



Anti-glare honeycomb louvre			**Price Category 21**
982375.003	D 111, H 3	Maxi honeycomb louvre	



Interchangeable plastic rings			**Price Category 21**
982420.002	D 118, H 20	White plastic ring for reflector	
982422.002	D 118, H 33	White plastic ring for lens	



Interchangeable optics			**Price Category 21**
982372.003	D 118, H 83	Reflector, narrow beam 10°	
982372.013	D 118, H 83	Reflector, medium beam 20°	
982372.023	D 118, H 83	Reflector, wide beam 34°	
982372.033	D 118, H 83	Reflector, very wide beam 63°	
982373.003	D 118, H 83	Lens, narrow beam 12°	
982373.013	D 118, H 83	Lens, medium beam 29°	
982373.023	D 118, H 83	Lens, wide beam 41°	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Heledon

PASCALA®

Technology



Suitable for ceiling thicknesses of 6-35 mm

Round and square versions with round ceiling cut-out

Patented reflector made of MIRO-SILVER® in round design with total light reflection 98%

UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1



The converter is compatible with DC, making it ideal for central battery systems

CBS

High quality converter without flickering and stroboscopic effect

smart+ free

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

Tunable White:HCL

Tunable White versions dynamically adjustable from 2700 K to 6500 K

MIRO-SILVER® – OPTIMAL REFLECTION

Reflection

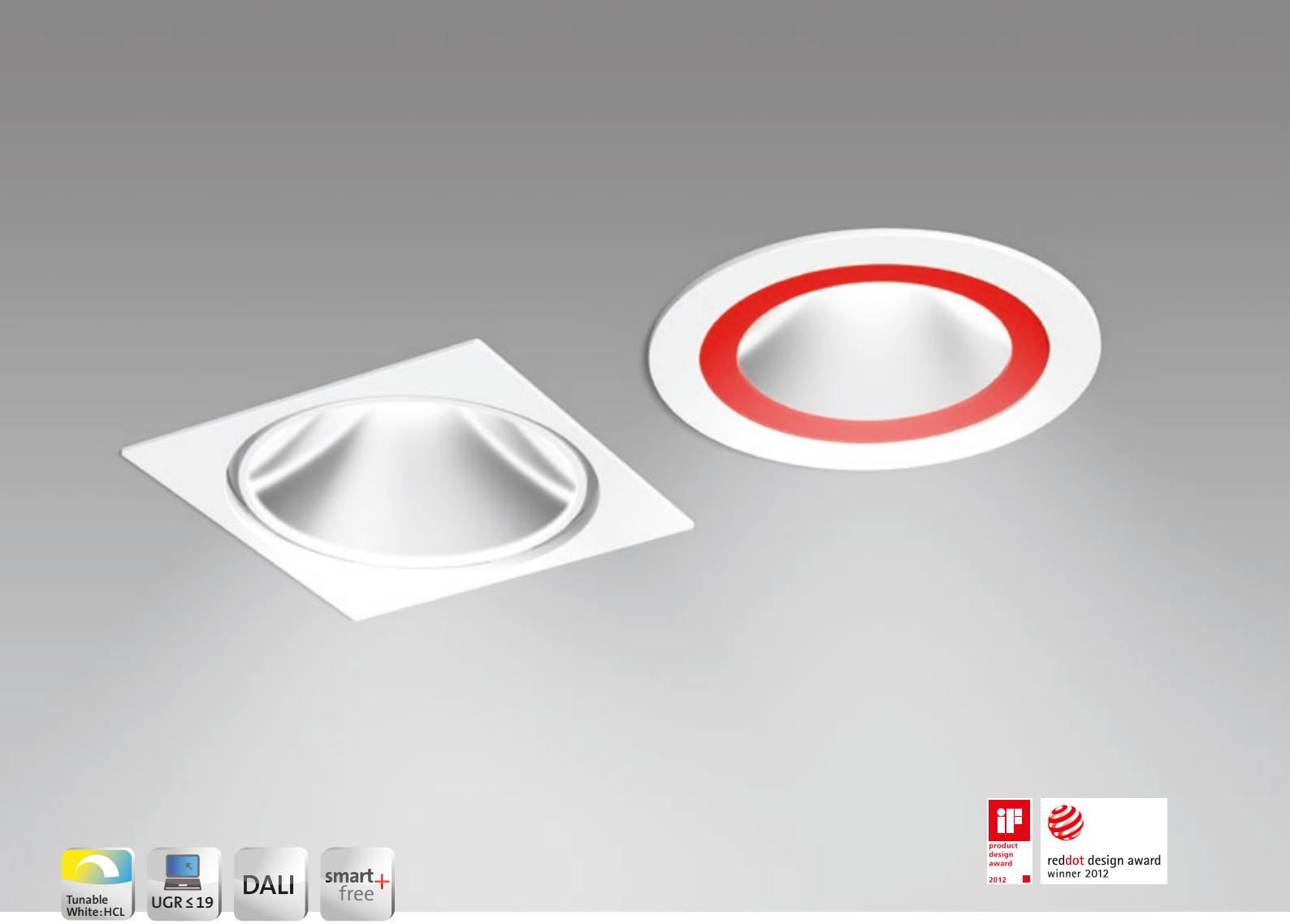
A layer of the purest silver which is produced in a high vacuum, together with a reflection-enhanced layer system, enables a total light reflection of 98%.

Efficiency

Due to the extremely high reflectivity, light can be reflected almost with no losses. Reflection is the decisive factor for energy efficiency in reflector technology.

Colour neutral

The absolutely color-neutral reflecting surfaces have an extremely high long-term stability and can easily be cleaned.



Tunable White:HCL | UGR ≤ 19 | DALI | smart+ free

product design award 2012

reddot design award winner 2012

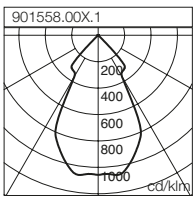
PASCALA®

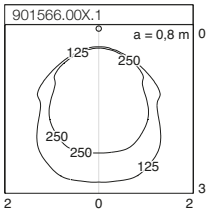
Recessed downlights

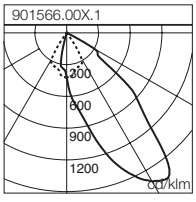
- Highly efficient recessed downlight with patented reflector made of MIRO-SILVER® in round design with total light reflection 98%
- Brilliantly luminous corona at the light-emitting surfaces thanks to use of a specially designed cast aluminium ring as a reflector closure
- LED rated life 50,000 h (L80, B10)
- Tunable white versions dynamically adjustable from 2700 K to 6500 K
- The converter is compatible with DC, making it ideal for central battery systems
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- Colour tolerance within 2 MacAdam ellipses (2 SDCM) with standard monochrome LED; 4 MacAdam ellipses (4 SDCM) with tunable white LED
- Large selection of decorative and functional accessory plates to be mounted additionally to the round versions
- IP 54 to be achieved with corresponding accessories

901558.00X.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5

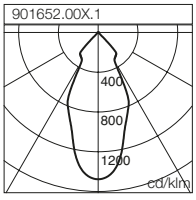






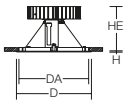
901652.00X.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	2	4



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | Pascala EVO Round





Type of Protection: IP 20, **IP 54** with corresponding accessories
Protection Class: II
Ceiling Thickness: 6-35 mm
Impact Protection: IK03

Mounting bracket: galvanised sheet steel. Inner and closure ring: die-cast aluminium. Reflector material: **MIRO-SILVER®** with 98 percent total light reflection. Spring fastening system. Connected converter included in separate gearbox.

Available colours (X): 2 = white, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights - Symmetrical light distribution									**Price Category 21**
Ceiling cut out DA 228 mm, HE 154 mm									
901555.00X	D 241, H 2	LED	830	1250 lm	11 W	54°	14,7	on/off	A++
901555.00X.76	D 241, H 2	LED	830	1250 lm	11 W	54°	14,7	DALI	A++
901555.00X.1	D 241, H 2	LED	840	1300 lm	11 W	54°	14,8	on/off	A++
901555.00X.1.76	D 241, H 2	LED	840	1300 lm	11 W	54°	14,8	DALI	A++
901556.00X	D 241, H 2	LED	830	2300 lm	18 W	54°	16,8	on/off	A++
901556.00X.76	D 241, H 2	LED	830	2300 lm	18 W	54°	16,8	DALI	A++
901556.00X.1	D 241, H 2	LED	840	2350 lm	18 W	54°	16,9	on/off	A++
901556.00X.1.76	D 241, H 2	LED	840	2350 lm	18 W	54°	16,9	DALI	A++
901557.00X	D 241, H 2	LED	830	3250 lm	26 W	54°	18,0	on/off	A++
901557.00X.76	D 241, H 2	LED	830	3250 lm	26 W	54°	18,0	DALI	A++
901557.00X.1	D 241, H 2	LED	840	3300 lm	26 W	54°	18,1	on/off	A++
901557.00X.1.76	D 241, H 2	LED	840	3300 lm	26 W	54°	18,1	DALI	A++
901558.00X	D 241, H 2	LED	830	3950 lm	33 W	54°	18,7	on/off	A++
901558.00X.76	D 241, H 2	LED	830	4000 lm	33 W	54°	18,7	DALI	A++
901558.00X.1	D 241, H 2	LED	840	4050 lm	33 W	54°	18,8	on/off	A++
901558.00X.1.76	D 241, H 2	LED	840	4100 lm	33 W	54°	18,9	DALI	A++
901652.00X	D 241, H 2	LED	830	4750 lm	42 W	54°	18,9	on/off	A++
901652.00X.76	D 241, H 2	LED	830	4800 lm	42 W	54°	18,9	DALI	A++
901652.00X.1	D 241, H 2	LED	840	4850 lm	42 W	54°	19,0	on/off	A++
901652.00X.1.76	D 241, H 2	LED	840	4900 lm	42 W	54°	19,0	DALI	A++
Tunable White - 2700 K to 6500 K									
901557.00X.2.730	D 241, H 2	LED	827-865	2350 lm	31 W	54°	16,8	smart+free	A+

Recessed downlights - Asymmetrical light distribution									**Price Category 21**
Ceiling cut out DA 228 mm, HE 169 mm									
901563.00X	D 241, H 2	LED	830	1250 lm	11 W			on/off	A++
901563.00X.76	D 241, H 2	LED	830	1250 lm	11 W			DALI	A++
901563.00X.1	D 241, H 2	LED	840	1300 lm	11 W			on/off	A++
901563.00X.1.76	D 241, H 2	LED	840	1300 lm	11 W			DALI	A++
901564.00X	D 241, H 2	LED	830	2200 lm	18 W			on/off	A++
901564.00X.76	D 241, H 2	LED	830	2200 lm	18 W			DALI	A++
901564.00X.1	D 241, H 2	LED	840	2300 lm	18 W			on/off	A++
901564.00X.1.76	D 241, H 2	LED	840	2300 lm	18 W			DALI	A++
901565.00X	D 241, H 2	LED	830	3100 lm	26 W			on/off	A++
901565.00X.76	D 241, H 2	LED	830	3050 lm	26 W			DALI	A++
901565.00X.1	D 241, H 2	LED	840	3250 lm	26 W			on/off	A++
901565.00X.1.76	D 241, H 2	LED	840	3250 lm	26 W			DALI	A++
901566.00X	D 241, H 2	LED	830	3800 lm	33 W			on/off	A++
901566.00X.76	D 241, H 2	LED	830	3800 lm	33 W			DALI	A++
901566.00X.1	D 241, H 2	LED	840	3950 lm	33 W			on/off	A++
901566.00X.1.76	D 241, H 2	LED	840	4000 lm	33 W			DALI	A++
901653.00X	D 241, H 2	LED	830	4550 lm	42 W			on/off	A++
901653.00X.76	D 241, H 2	LED	830	4550 lm	42 W			DALI	A++
901653.00X.1	D 241, H 2	LED	840	4800 lm	42 W			on/off	A++
901653.00X.1.76	D 241, H 2	LED	840	4800 lm	42 W			DALI	A++
Tunable White - 2700 K to 6500 K									
901565.00X.2.730	D 241, H 2	LED	827-865	2400 lm	31 W			smart+free	A+

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W CB)

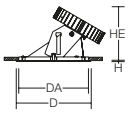
LED 18 W ≈
2 x 26 W TC-D (68 W CB)

LED 26 W ≈
2 x 32 W TC-TEL (69 W EB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

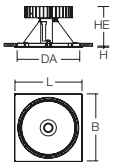
LED 42 W ≈
1 x 70 W HIT (84 W CB)
3 x 32 W TC-TEL (105 W EVG)







Recessed downlights | Pascala EVO Square LED



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 6-35 mm
Impact Protection: IK03

Mounting bracket: galvanised sheet steel. Inner ring and square cover plate: die-cast aluminium. Reflector material: **MIRO-SILVER®** with 98 percent total light reflection. Spring fastening system. Connected converter included in separate gearbox.

Available colours (X): 2 = white, 4 = silver metallic

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W CB)

LED 18 W ≈
2 x 26 W TC-D (68 W CB)

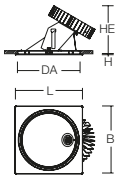
LED 26 W ≈
2 x 32 W TC-TEL (69 W EB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)

LED 42 W ≈
1 x 70 W HIT (84 W CB)
3 x 32 W TC-TEL (105 W EVG)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights - Symmetrical light distribution									**Price Category 21**
Ceiling cut out DA 228 mm, HE 154 mm									
901559.00X	L 242, B 242, H 3	LED	830	1250 lm	11 W	54°	14,7	on/off	A++
901559.00X.76	L 242, B 242, H 3	LED	830	1250 lm	11 W	54°	14,7	DALI	A++
901559.00X.1	L 242, B 242, H 3	LED	840	1300 lm	11 W	54°	14,8	on/off	A++
901559.00X.1.76	L 242, B 242, H 3	LED	840	1300 lm	11 W	54°	14,8	DALI	A++
901560.00X	L 242, B 242, H 3	LED	830	2300 lm	18 W	54°	16,8	on/off	A++
901560.00X.76	L 242, B 242, H 3	LED	830	2300 lm	18 W	54°	16,8	DALI	A++
901560.00X.1	L 242, B 242, H 3	LED	840	2350 lm	18 W	54°	16,9	on/off	A++
901560.00X.1.76	L 242, B 242, H 3	LED	840	2350 lm	18 W	54°	16,9	DALI	A++
901561.00X	L 242, B 242, H 3	LED	830	3250 lm	26 W	54°	18,0	on/off	A++
901561.00X.76	L 242, B 242, H 3	LED	830	3250 lm	26 W	54°	18,0	DALI	A++
901561.00X.1	L 242, B 242, H 3	LED	840	3300 lm	26 W	54°	18,1	on/off	A++
901561.00X.1.76	L 242, B 242, H 3	LED	840	3300 lm	26 W	54°	18,1	DALI	A++
901562.00X	L 242, B 242, H 3	LED	830	3950 lm	33 W	54°	18,7	on/off	A++
901562.00X.76	L 242, B 242, H 3	LED	830	4000 lm	33 W	54°	18,7	DALI	A++
901562.00X.1	L 242, B 242, H 3	LED	840	4050 lm	33 W	54°	18,8	on/off	A++
901562.00X.1.76	L 242, B 242, H 3	LED	840	4100 lm	33 W	54°	18,9	DALI	A++
901654.00X	L 242, B 242, H 3	LED	830	4750 lm	42 W	54°	18,9	on/off	A++
901654.00X.76	L 242, B 242, H 3	LED	830	4800 lm	42 W	54°	18,9	DALI	A++
901654.00X.1	L 242, B 242, H 3	LED	840	4850 lm	42 W	54°	19,0	on/off	A++
901654.00X.1.76	L 242, B 242, H 3	LED	840	4900 lm	42 W	54°	19,0	DALI	A++
Tunable White - 2700 K to 6500 K									
901561.00X.2.730	L 242, B 242, H 3	LED	827-865	2350 lm	31 W	54°	16,8	smart+free	A+



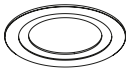
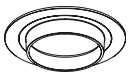
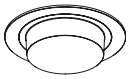
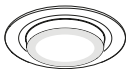


Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights - Asymmetrical light distribution									**Price Category 21**
Ceiling cut out DA 228 mm, HE 169 mm									
901567.00X	L 242, B 242, H 3	LED	830	1250 lm	11 W			on/off	A++
901567.00X.76	L 242, B 242, H 3	LED	830	1250 lm	11 W			DALI	A++
901567.00X.1	L 242, B 242, H 3	LED	840	1300 lm	11 W			on/off	A++
901567.00X.1.76	L 242, B 242, H 3	LED	840	1300 lm	11 W			DALI	A++
901568.00X	L 242, B 242, H 3	LED	830	2200 lm	18 W			on/off	A++
901568.00X.76	L 242, B 242, H 3	LED	830	2200 lm	18 W			DALI	A++
901568.00X.1	L 242, B 242, H 3	LED	840	2300 lm	18 W			on/off	A++
901568.00X.1.76	L 242, B 242, H 3	LED	840	2300 lm	18 W			DALI	A++
901569.00X	L 242, B 242, H 3	LED	830	3100 lm	26 W			on/off	A++
901569.00X.76	L 242, B 242, H 3	LED	830	3050 lm	26 W			DALI	A++
901569.00X.1	L 242, B 242, H 3	LED	840	3250 lm	26 W			on/off	A++
901569.00X.1.76	L 242, B 242, H 3	LED	840	3250 lm	26 W			DALI	A++
901570.00X	L 242, B 242, H 3	LED	830	3800 lm	33 W			on/off	A++
901570.00X.76	L 242, B 242, H 3	LED	830	3800 lm	33 W			DALI	A++
901570.00X.1	L 242, B 242, H 3	LED	840	3950 lm	33 W			on/off	A++
901570.00X.1.76	L 242, B 242, H 3	LED	840	4000 lm	33 W			DALI	A++
901655.00X	L 242, B 242, H 3	LED	830	4550 lm	42 W			on/off	A++
901655.00X.76	L 242, B 242, H 3	LED	830	4550 lm	42 W			DALI	A++
901655.00X.1	L 242, B 242, H 3	LED	840	4800 lm	42 W			on/off	A++
901655.00X.1.76	L 242, B 242, H 3	LED	840	4800 lm	42 W			DALI	A++
Tunable White - 2700 K to 6500 K									
901569.00X.2.730	L 242, B 242, H 3	LED	827-865	2400 lm	31 W			smart+free	A+

Ra > 90 options on request

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions
Accessories Round	**Price Category 21**
for mounting to ROUND version of Pascala, not suitable for mounting to SQUARE version of Pascala	
Diffuser: safety glass (IP 54)	
981753.03X	centre: transparent
981753.02X	centre: matt
981753.00X	transparent
981753.01X	matt
Decorative rings, satin finish (coloured)	
981754.05X	blue
981754.06X	yellow
981754.04X	green
981754.00X	transparent
981754.03X	red
Decorative cylinder, open	
981755.00X	glass, transparent
981755.01X	glass, matt
Decorative cylinder, closed, IP 54	
981756.00X	glass, transparent
981756.01X	glass, matt
981756.02X	covering surface: transparent; floor: matt
981756.03X	covering surface: transparent; floor: partially matt (with transparent centre)
Decorative designer glass cover with lens, IP 54	
981757.02X	covering surface: transparent; floor: matt
981757.03X	covering surface: transparent; floor: partially matt (with transparent centre)
981757.00X	transparent
981757.01X	matt
Decorative attachment (hanging down)	
981758.020	centre: transparent
981758.010	centre: matt
981758.000	transparent
981758.002	matt

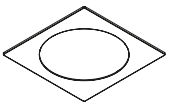






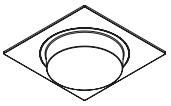
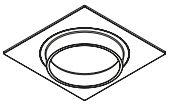
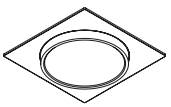







Reference number	Dimensions
Accessories Round	**Price Category 21**
with square cover plate; for mounting to ROUND version of Pascala, not suitable for mounting to Square version of Pascala	
Diffuser: safety glass IP 54	
981895.00X	transparent
981895.01X	matt
981895.02X	centre: matt
981895.03X	centre: transparent
Decorative rings, satin finish (coloured)	
981896.00X	transparent
981896.03X	red
981896.04X	green
981896.05X	blue
981896.06X	yellow
Decorative cylinder, closed, IP 54	
981897.00X	glass, transparent
981897.01X	glass, matt
981897.02X	covering surface: transparent; floor: matt
981897.03X	covering surface: transparent; floor: partially matt (with transparent centre)
Decorative cylinder, open	
981898.00X	glass, transparent
981898.01X	glass, matt
Decorative glass cover, IP 54	
981899.00X	transparent
981899.01X	matt
981899.02X	covering surface: transparent; floor: matt
981899.03X	covering surface: transparent; floor: partially matt (with transparent centre)

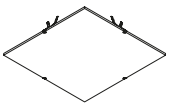


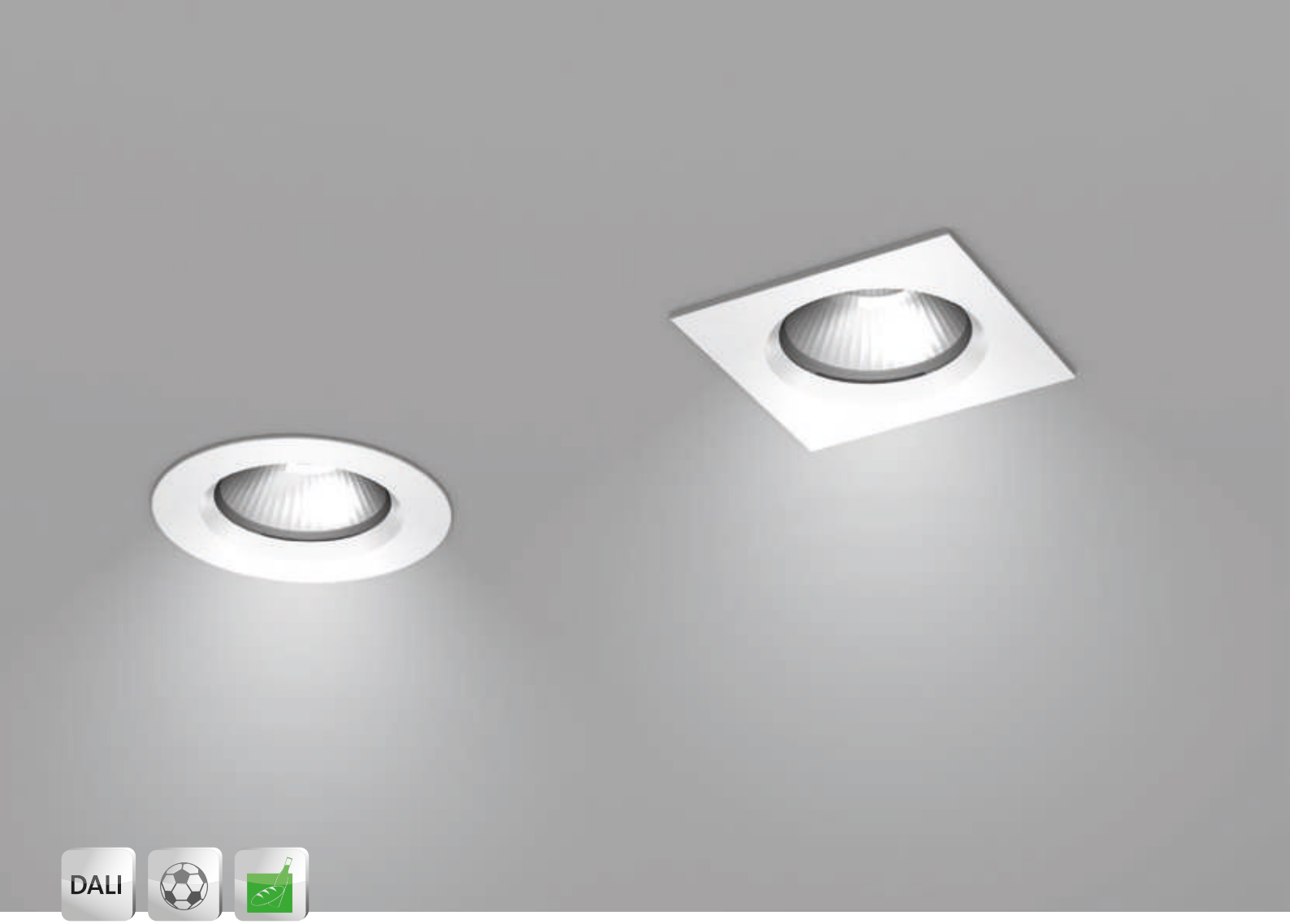









Reference number	Dimensions
Accessories Square	**Price Category 21**
decorative square-shaped plates (hanging down)	
for mounting to SQUARE version of Pascala	
981675.050	centre: transparent
981675.040	centre: matt
981675.030	transparent
981675.032	matt



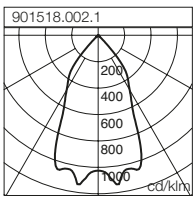



LEDONA

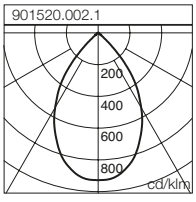
Recessed downlights

- LED downlight featuring advanced technology and sophisticated design
- Type of protection: IP 65 or IP 20
- IP 65 version also keeps the protection for the intermediate ceiling; this in turn means optimum protection against dust or moisture (does not apply to converter, IP 20)
- Single-layer safety glass diffuser (IP 65 LED version)
- IP 65 versions with ball impact protection in accordance with DIN 18032-03
- IP 65 versions with Gore™ Protective Vents diaphragm valve for reduction of condensation
- IP 65 versions suitable for use in the food and drink industry
- Four-segment aluminium faceted reflector surface-structured for IP 65 or mirror finish for IP 20
- Unique light mixing chamber provides harmonized lighting and advanced anti-glare properties, as well as high LORs
- Ra 85 as standard, optionally Ra 95 also possible
- LED rated life 50,000 h (L80, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- The converter is compatible with DC, making it ideal for central battery systems
- Round ceiling cut-out also with square types
- Easy to install thanks to tool-free spring fastening system

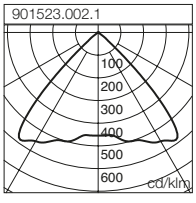
901518.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	9



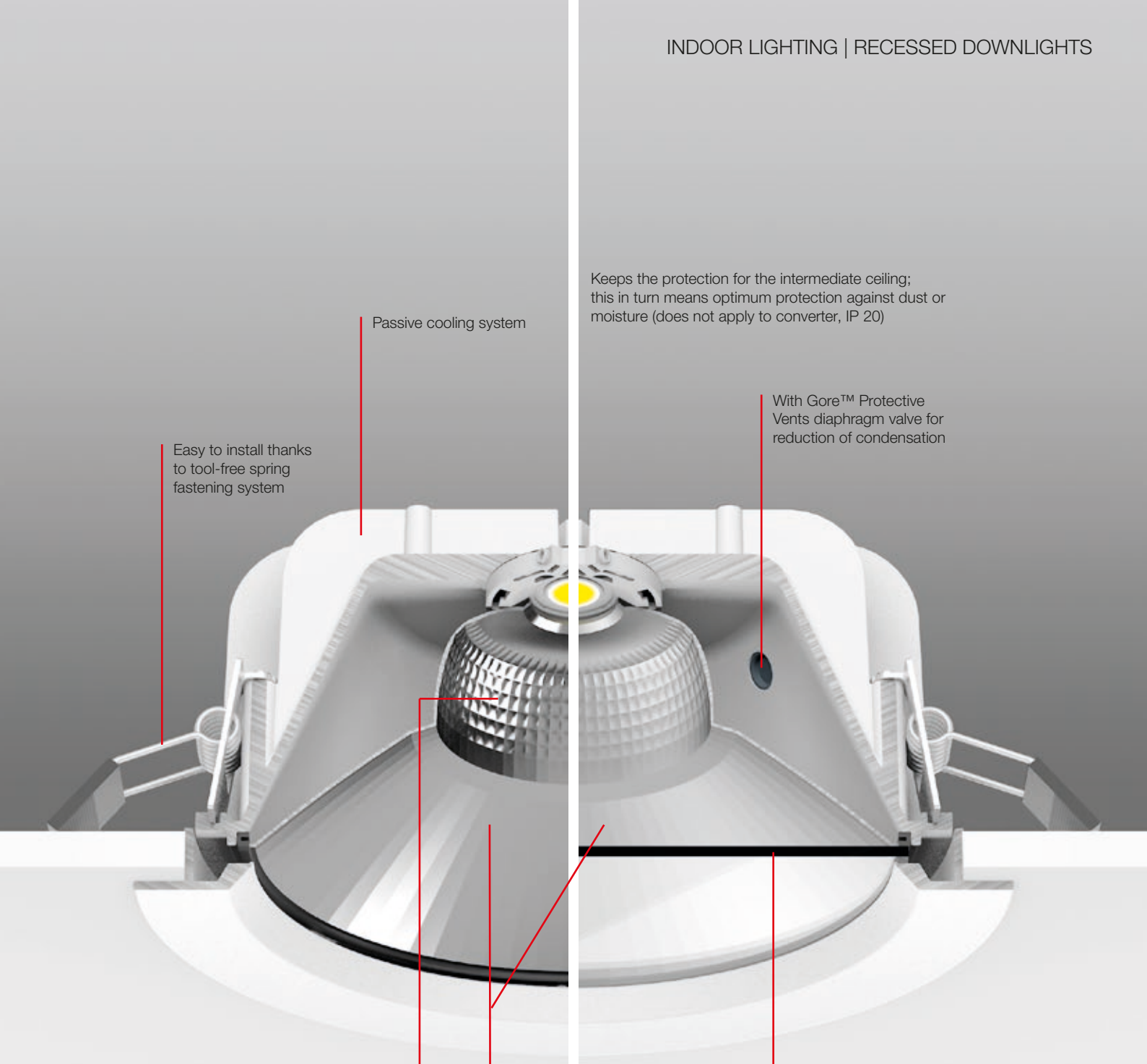
901520.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



901523.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

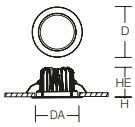


LEDONA ROUND IP 20

LEDONA ROUND IP 65



Recessed downlights | Ledona Round IP20



Type of Protection: IP 20
Protection Class: I, II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03

Housing: aluminium profile constructed as heat sink. Bezel ring: die-cast aluminium, powder coated. Open version. Faceted aluminium reflector high gloss, with high gloss light mixing chamber. Spring fastening system. Suitable for through-wiring. The converter is compatible with DC, making it ideal for central battery systems. Connected converter included in separate gearbox.

Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W CB)

LED 18 W ≈
1 x 42 W TC-TEL (47 W EB)

LED 26 W ≈
1 x 57 W TC-TEL (59 W EB)

LED 33 W ≈
2 x 32 W TC-TEL (69 W EB)

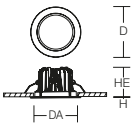
LED 40 W ≈
2 x 42 W TC-TEL (90 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 120 mm, HE 79 mm									
901517.002	D 140, H 3	LED	830	1150 lm	11 W	46 °	17,9	on/off	A++
901517.002.76	D 140, H 3	LED	830	1150 lm	11 W	46 °	17,9	DALI	A++
901517.002.1	D 140, H 3	LED	840	1200 lm	11 W	46 °	18,0	on/off	A
901517.002.1.76	D 140, H 3	LED	840	1200 lm	11 W	46 °	18,0	DALI	A
901518.002	D 140, H 3	LED	830	2050 lm	18 W	52 °	20,2	on/off	A++
901518.002.76	D 140, H 3	LED	830	2050 lm	18 W	52 °	20,2	DALI	A++
901518.002.1	D 140, H 3	LED	840	2100 lm	18 W	52 °	20,4	on/off	A++
901518.002.1.76	D 140, H 3	LED	840	2100 lm	18 W	52 °	20,4	DALI	A++
Ceiling cut out DA 160 mm, HE 89 mm									
901519.002	D 180, H 3	LED	830	2100 lm	18 W	59 °	19,2	on/off	A++
901519.002.76	D 180, H 3	LED	830	2100 lm	18 W	59 °	19,2	DALI	A++
901519.002.1	D 180, H 3	LED	840	2150 lm	18 W	59 °	19,4	on/off	A++
901519.002.1.76	D 180, H 3	LED	840	2150 lm	18 W	59 °	19,4	DALI	A++
901520.002	D 180, H 3	LED	830	2800 lm	26 W	59 °	20,6	on/off	A++
901520.002.76	D 180, H 3	LED	830	2800 lm	26 W	59 °	20,6	DALI	A++
901520.002.1	D 180, H 3	LED	840	2950 lm	26 W	59 °	20,7	on/off	A++
901520.002.1.76	D 180, H 3	LED	840	2950 lm	26 W	59 °	20,7	DALI	A++
Ceiling cut out DA 210 mm, HE 108 mm									
901521.002	D 230, H 3	LED	830	2750 lm	26 W	88 °	22,1	on/off	A++
901521.002.76	D 230, H 3	LED	830	2750 lm	26 W	88 °	22,1	DALI	A++
901521.002.1	D 230, H 3	LED	840	2900 lm	26 W	88 °	22,2	on/off	A++
901521.002.1.76	D 230, H 3	LED	840	2900 lm	26 W	88 °	22,2	DALI	A++
901522.002	D 230, H 3	LED	830	3450 lm	33 W	88 °	22,8	on/off	A++
901522.002.76	D 230, H 3	LED	830	3450 lm	33 W	88 °	22,8	DALI	A++
901522.002.1	D 230, H 3	LED	840	3600 lm	33 W	88 °	22,9	on/off	A++
901522.002.1.76	D 230, H 3	LED	840	3600 lm	33 W	88 °	22,9	DALI	A++
901523.002	D 230, H 3	LED	830	4050 lm	40 W	88 °	23,5	on/off	A++
901523.002.76	D 230, H 3	LED	830	4050 lm	40 W	88 °	23,5	DALI	A++
901523.002.1	D 230, H 3	LED	840	4200 lm	40 W	88 °	23,6	on/off	A++
901523.002.1.76	D 230, H 3	LED	840	4200 lm	40 W	88 °	23,6	DALI	A++

Ra > 90 options on request

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Recessed downlights | Ledona Round IP65





Type of Protection: **IP 65**, Converter IP 20
Protection Class: I, II
Ceiling Thickness: 1-20 mm
Impact Protection: IK07

Housing: aluminium profile constructed as heat sink. Bezel ring: die-cast aluminium, powder coated. Closed version. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. LED diffuser made of safety glass. Faceted aluminium reflector satin-matt, with high gloss light mixing chamber. Spring fastening system. Suitable for through-wiring. The converter is compatible with DC, making it ideal for central battery systems. Connected converter included in separate gearbox.

Ball impact proof in accordance with DIN 18032-03.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimmable	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 120 mm, HE 82 mm									
901524.002	D 140, H 3	LED	830	1100 lm	11 W	42 °	17,7	on/off	A++
901524.002.76	D 140, H 3	LED	830	1100 lm	11 W	42 °	17,7	DALI	A++
901524.002.1	D 140, H 3	LED	840	1150 lm	11 W	42 °	17,8	on/off	A
901524.002.1.76	D 140, H 3	LED	840	1150 lm	11 W	42 °	17,8	DALI	A
901525.002	D 140, H 3	LED	830	1900 lm	18 W	46 °	20,3	on/off	A++
901525.002.76	D 140, H 3	LED	830	1900 lm	18 W	46 °	20,3	DALI	A++
901525.002.1	D 140, H 3	LED	840	1950 lm	18 W	46 °	20,5	on/off	A++
901525.002.1.76	D 140, H 3	LED	840	1950 lm	18 W	46 °	20,5	DALI	A++
Ceiling cut out DA 160 mm, HE 92 mm									
901526.002	D 180, H 3	LED	830	1900 lm	18 W	57 °	18,7	on/off	A++
901526.002.76	D 180, H 3	LED	830	1900 lm	18 W	57 °	18,7	DALI	A++
901526.002.1	D 180, H 3	LED	840	1950 lm	18 W	57 °	18,9	on/off	A++
901526.002.1.76	D 180, H 3	LED	840	1950 lm	18 W	57 °	18,9	DALI	A++
901527.002	D 180, H 3	LED	830	2500 lm	26 W	57 °	19,9	on/off	A++
901527.002.76	D 180, H 3	LED	830	2500 lm	26 W	57 °	19,9	DALI	A++
901527.002.1	D 180, H 3	LED	840	2650 lm	26 W	57 °	20,1	on/off	A++
901527.002.1.76	D 180, H 3	LED	840	2650 lm	26 W	57 °	20,1	DALI	A++
Ceiling cut out DA 210 mm, HE 111 mm									
901528.002	D 230, H 3	LED	830	2800 lm	26 W	90 °	22,3	on/off	A++
901528.002.76	D 230, H 3	LED	830	2800 lm	26 W	90 °	22,3	DALI	A++
901528.002.1	D 230, H 3	LED	840	2950 lm	26 W	90 °	22,4	on/off	A++
901528.002.1.76	D 230, H 3	LED	840	2950 lm	26 W	90 °	22,4	DALI	A++
901529.002	D 230, H 3	LED	830	3450 lm	33 W	90 °	23,0	on/off	A++
901529.002.76	D 230, H 3	LED	830	3450 lm	33 W	90 °	23,0	DALI	A++
901529.002.1	D 230, H 3	LED	840	3600 lm	33 W	90 °	23,1	on/off	A++
901529.002.1.76	D 230, H 3	LED	840	3600 lm	33 W	90 °	23,1	DALI	A++
901530.002	D 230, H 3	LED	830	4100 lm	40 W	90 °	23,7	on/off	A++
901530.002.76	D 230, H 3	LED	830	4100 lm	40 W	90 °	23,7	DALI	A++
901530.002.1	D 230, H 3	LED	840	4250 lm	40 W	90 °	23,8	on/off	A++
901530.002.1.76	D 230, H 3	LED	840	4250 lm	40 W	90 °	23,8	DALI	A++

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W CB)

LED 18 W ≈
1 x 42 W TC-TEL (47 W EB)

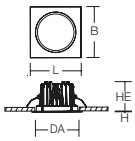
LED 26 W ≈
1 x 57 W TC-TEL (59 W EB)

LED 33 W ≈
2 x 32 W TC-TEL (69 W EB)

LED 40 W ≈
2 x 42 W TC-TEL (90 W EB)



Recessed downlights | Ledona Square IP20



Type of Protection: IP 20
Protection Class: I, II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03

Housing: aluminium profile constructed as heat sink. Square cover plate: die-cast aluminium, powder-coated. Open version. Faceted aluminium reflector high gloss, with high gloss light mixing chamber. Spring fastening system. Suitable for through-wiring. The converter is compatible with DC, making it ideal for central battery systems. Connected converter included in separate gearbox.

Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W CB)

LED 18 W ≈
1 x 42 W TC-TEL (47 W EB)

LED 26 W ≈
1 x 57 W TC-TEL (59 W EB)

LED 33 W ≈
2 x 32 W TC-TEL (69 W EB)

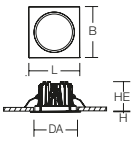
LED 40 W ≈
2 x 42 W TC-TEL (90 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 120 mm, HE 79 mm									
901531.002	L 130, B 130, H 3	LED	830	1150 lm	11 W	46 °	17,9	on/off	A++
901531.002.76	L 130, B 130, H 3	LED	830	1150 lm	11 W	46 °	17,9	DALI	A++
901531.002.1	L 130, B 130, H 3	LED	840	1200 lm	11 W	46 °	18,0	on/off	A
901531.002.1.76	L 130, B 130, H 3	LED	840	1200 lm	11 W	46 °	18,0	DALI	A
901532.002	L 130, B 130, H 3	LED	830	2050 lm	18 W	52 °	20,2	on/off	A++
901532.002.76	L 130, B 130, H 3	LED	830	2050 lm	18 W	52 °	20,2	DALI	A++
901532.002.1	L 130, B 130, H 3	LED	840	2100 lm	18 W	52 °	20,4	on/off	A++
901532.002.1.76	L 130, B 130, H 3	LED	840	2100 lm	18 W	52 °	20,4	DALI	A++
Ceiling cut out DA 160 mm, HE 89 mm									
901533.002	L 170, B 170, H 3	LED	830	2100 lm	18 W	59 °	19,2	on/off	A++
901533.002.76	L 170, B 170, H 3	LED	830	2100 lm	18 W	59 °	19,2	DALI	A++
901533.002.1	L 170, B 170, H 3	LED	840	2150 lm	18 W	59 °	19,4	on/off	A++
901533.002.1.76	L 170, B 170, H 3	LED	840	2150 lm	18 W	59 °	19,4	DALI	A++
901534.002	L 170, B 170, H 3	LED	830	2800 lm	26 W	59 °	20,6	on/off	A++
901534.002.76	L 170, B 170, H 3	LED	830	2800 lm	26 W	59 °	20,6	DALI	A++
901534.002.1	L 170, B 170, H 3	LED	840	2950 lm	26 W	59 °	20,7	on/off	A++
901534.002.1.76	L 170, B 170, H 3	LED	840	2950 lm	26 W	59 °	20,7	DALI	A++
Ceiling cut out DA 210 mm, HE 108 mm									
901535.002	L 220, B 220, H 3	LED	830	2750 lm	26 W	88 °	22,1	on/off	A++
901535.002.76	L 220, B 220, H 3	LED	830	2750 lm	26 W	88 °	22,1	DALI	A++
901535.002.1	L 220, B 220, H 3	LED	840	2900 lm	26 W	88 °	22,2	on/off	A++
901535.002.1.76	L 220, B 220, H 3	LED	840	2900 lm	26 W	88 °	22,2	DALI	A++
901536.002	L 220, B 220, H 3	LED	830	3450 lm	33 W	88 °	22,8	on/off	A++
901536.002.76	L 220, B 220, H 3	LED	830	3450 lm	33 W	88 °	22,8	DALI	A++
901536.002.1	L 220, B 220, H 3	LED	840	3600 lm	33 W	88 °	22,9	on/off	A++
901536.002.1.76	L 220, B 220, H 3	LED	840	3600 lm	33 W	88 °	22,9	DALI	A++
901537.002	L 220, B 220, H 3	LED	830	4050 lm	40 W	88 °	23,5	on/off	A++
901537.002.76	L 220, B 220, H 3	LED	830	4050 lm	40 W	88 °	23,5	DALI	A++
901537.002.1	L 220, B 220, H 3	LED	840	4200 lm	40 W	88 °	23,6	on/off	A++
901537.002.1.76	L 220, B 220, H 3	LED	840	4200 lm	40 W	88 °	23,6	DALI	A++

Ra > 90 options on request

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Recessed downlights | Ledona Square IP65





Type of Protection: **IP 65**, Converter IP 20
Protection Class: I, II
Ceiling Thickness: 1-20 mm
Impact Protection: IK07

Housing: aluminium profile constructed as heat sink. Square cover plate: die-cast aluminium, powder-coated. Closed version. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. LED diffuser made of safety glass. Faceted aluminium reflector satin-matt, with high gloss light mixing chamber. Spring fastening system. Suitable for through-wiring. The converter is compatible with DC, making it ideal for central battery systems. Connected converter included in separate gearbox.

Ball impact proof in accordance with DIN 18032-03.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 120 mm, HE 82 mm									
901538.002	L 130, B 130, H 3	LED	830	1100 lm	11 W	42 °	17,7	on/off	A++
901538.002.76	L 130, B 130, H 3	LED	830	1100 lm	11 W	42 °	17,7	DALI	A++
901538.002.1	L 130, B 130, H 3	LED	840	1150 lm	11 W	42 °	17,8	on/off	A
901538.002.1.76	L 130, B 130, H 3	LED	840	1150 lm	11 W	42 °	17,8	DALI	A
901539.002	L 130, B 130, H 3	LED	830	1900 lm	18 W	46 °	20,3	on/off	A++
901539.002.76	L 130, B 130, H 3	LED	830	1900 lm	18 W	46 °	20,3	DALI	A++
901539.002.1	L 130, B 130, H 3	LED	840	1950 lm	18 W	46 °	20,5	on/off	A++
901539.002.1.76	L 130, B 130, H 3	LED	840	1950 lm	18 W	46 °	20,5	DALI	A++
Ceiling cut out DA 160 mm, HE 92 mm									
901540.002	L 170, B 170, H 3	LED	830	1900 lm	18 W	57 °	18,7	on/off	A++
901540.002.76	L 170, B 170, H 3	LED	830	1900 lm	18 W	57 °	18,7	DALI	A++
901540.002.1	L 170, B 170, H 3	LED	840	1950 lm	18 W	57 °	18,9	on/off	A++
901540.002.1.76	L 170, B 170, H 3	LED	840	1950 lm	18 W	57 °	18,9	DALI	A++
901541.002	L 170, B 170, H 3	LED	830	2500 lm	26 W	57 °	19,9	on/off	A++
901541.002.76	L 170, B 170, H 3	LED	830	2500 lm	26 W	57 °	19,9	DALI	A++
901541.002.1	L 170, B 170, H 3	LED	840	2650 lm	26 W	57 °	20,1	on/off	A++
901541.002.1.76	L 170, B 170, H 3	LED	840	2650 lm	26 W	57 °	20,1	DALI	A++
Ceiling cut out DA 210 mm, HE 111 mm									
901542.002	L 220, B 220, H 3	LED	830	2800 lm	26 W	90 °	22,3	on/off	A++
901542.002.76	L 220, B 220, H 3	LED	830	2800 lm	26 W	90 °	22,3	DALI	A++
901542.002.1	L 220, B 220, H 3	LED	840	2950 lm	26 W	90 °	22,4	on/off	A++
901542.002.1.76	L 220, B 220, H 3	LED	840	2950 lm	26 W	90 °	22,4	DALI	A++
901543.002	L 220, B 220, H 3	LED	830	3450 lm	33 W	90 °	23,0	on/off	A++
901543.002.76	L 220, B 220, H 3	LED	830	3450 lm	33 W	90 °	23,0	DALI	A++
901543.002.1	L 220, B 220, H 3	LED	840	3600 lm	33 W	90 °	23,1	on/off	A++
901543.002.1.76	L 220, B 220, H 3	LED	840	3600 lm	33 W	90 °	23,1	DALI	A++
901544.002	L 220, B 220, H 3	LED	830	4100 lm	40 W	90 °	23,7	on/off	A++
901544.002.76	L 220, B 220, H 3	LED	830	4100 lm	40 W	90 °	23,7	DALI	A++
901544.002.1	L 220, B 220, H 3	LED	840	4250 lm	40 W	90 °	23,8	on/off	A++
901544.002.1.76	L 220, B 220, H 3	LED	840	4250 lm	40 W	90 °	23,8	DALI	A++

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 11 W ≈
1 x 26 W TC-D (34 W CB)

LED 18 W ≈
1 x 42 W TC-TEL (47 W EB)

LED 26 W ≈
1 x 57 W TC-TEL (59 W EB)

LED 33 W ≈
2 x 32 W TC-TEL (69 W EB)

LED 40 W ≈
2 x 42 W TC-TEL (90 W EB)

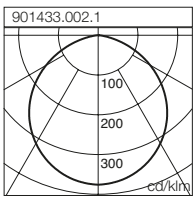


LEDONA ECO

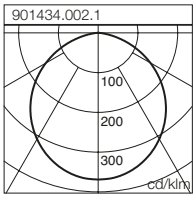
Recessed downlights

- LED downlight to fulfill highest demands
- IP 65 rating also for the intermediate ceiling; this in turn means optimum protection against dust or moisture
- Ball impact protection in accordance with DIN 18032-03
- With Gore™ Protective Vents diaphragm valve for reduction of condensation
- Suitable for use in the food and drink industry
- Shockproof cover made of plastic (opal)
- Interchangeable mains voltage LED
- Colour rendering index Ra 83
- LED rated life 50,000 h (L70, B30)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Direct connection to 220-240 V AC, i.e. no converter needed
- Round ceiling cut-out also with square types
- Easy to install thanks to tool-free spring fastening system

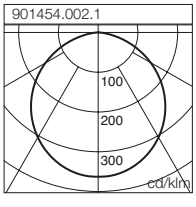
901433.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
10	15	20
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
14	21	35



901434.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
5	7	9
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
7	10	16

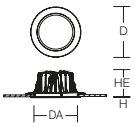


901454.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | Ledona ECO Round





Type of Protection: **IP 65**
Protection Class: I
Ceiling Thickness: 1-20 mm
Impact Protection: IK07

Bezel ring and housing: die-cast aluminium, powder-coated. Cover: plastic, opal. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Ceiling installation with spring system. 2 meter connecting cable with open wire ends.

Ball impact proof in accordance with DIN 18032-03.
No converter required.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 120 mm, HE 80 mm									
901431.002	D 140, H 3	LED [1]	830	630 lm	9,7 W	108°	24,9	on/off	A+
901431.002.1	D 140, H 3	LED [1]	840	660 lm	9,7 W	108°	26,5	on/off	A+
Ceiling cut out DA 160 mm, HE 90 mm									
901433.002	D 180, H 3	LED [1]	830	630 lm	9,7 W	108°	24,9	on/off	A+
901433.002.1	D 180, H 3	LED [1]	840	660 lm	9,7 W	108°	26,5	on/off	A+
901434.002	D 180, H 3	LED [1]	830	1250 lm	20 W	110°	27,2	on/off	A+
901434.002.1	D 180, H 3	LED [1]	840	1300 lm	20 W	110°	27,4	on/off	A+
Ceiling cut out DA 210 mm, HE 114 mm									
901454.002	D 230, H 3	LED [1]	830	2000 lm	30 W	110°	27,2	on/off	A+
901454.002.1	D 230, H 3	LED [1]	840	2250 lm	30 W	110°	27,6	on/off	A+

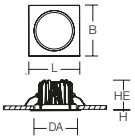
Comparison LED vs. conventional lamps

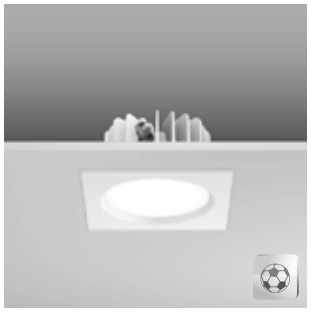
LED 9,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 20 W ≈
2 x 18 W TC-D (52 W CB)

LED 30 W ≈
2 x 26 W TC-D (68 W CB)

Recessed downlights | Ledona ECO Square





Type of Protection: **IP 65**
Protection Class: I
Ceiling Thickness: 1-20 mm
Impact Protection: IK07

Square cover and housing: die-cast aluminium, powder-coated. Cover: plastic, opal. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Ceiling installation with spring system. 2 meter connecting cable with open wire ends.

Ball impact proof in accordance with DIN 18032-03.
No converter required.

Available colour: 2 = white

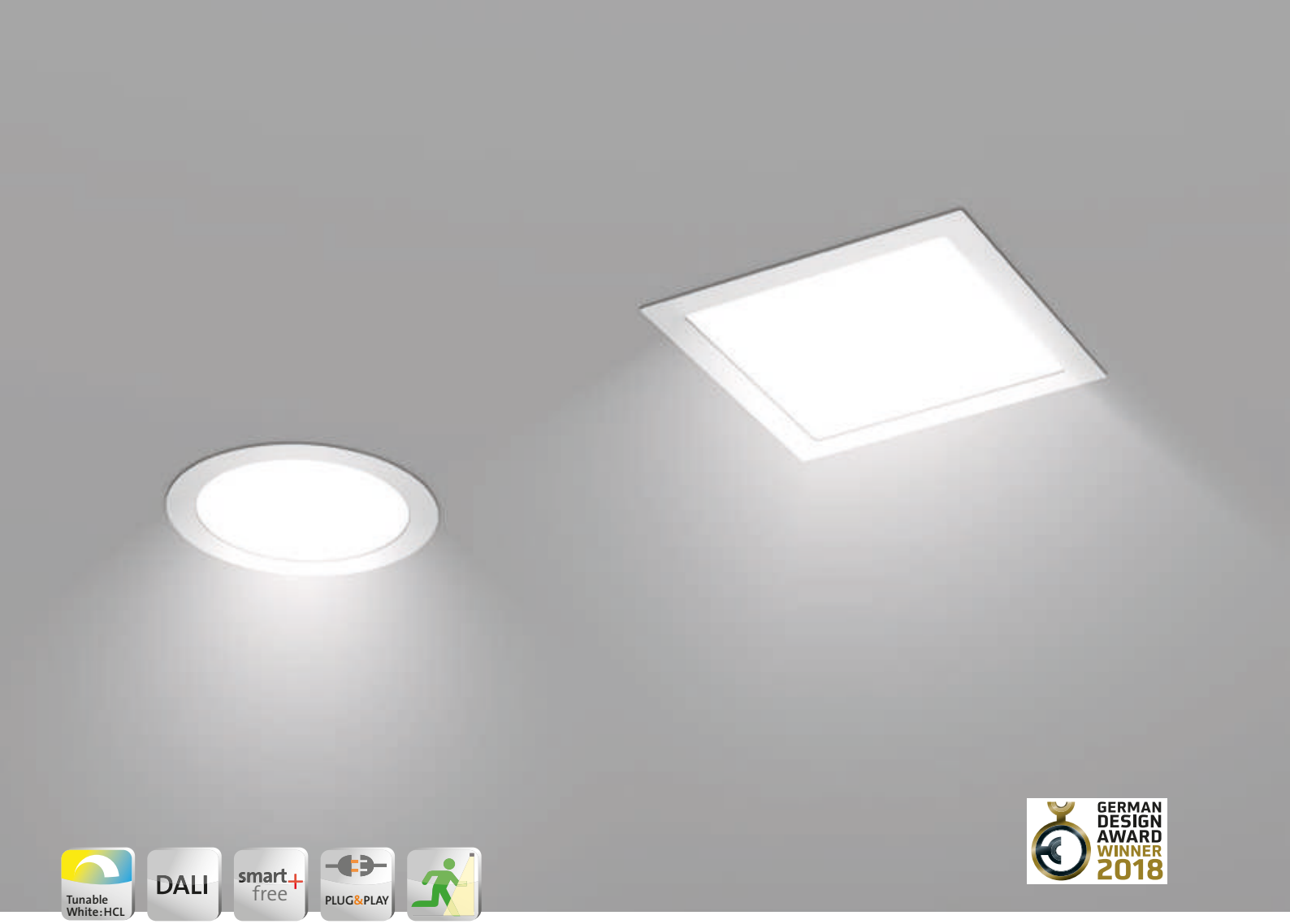
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 120 mm, HE 80 mm									
901435.002	L 130, B 130, H 3	LED [1]	830	630 lm	9,7 W	108°	24,9	on/off	A+
901435.002.1	L 130, B 130, H 3	LED [1]	840	660 lm	9,7 W	108°	26,5	on/off	A+
Ceiling cut out DA 160 mm, HE 90 mm									
901437.002	L 170, B 170, H 3	LED [1]	830	630 lm	9,7 W	108°	24,9	on/off	A+
901437.002.1	L 170, B 170, H 3	LED [1]	840	660 lm	9,7 W	108°	26,5	on/off	A+
901438.002	L 170, B 170, H 3	LED [1]	830	1250 lm	20 W	110°	27,2	on/off	A+
901438.002.1	L 170, B 170, H 3	LED [1]	840	1300 lm	20 W	110°	27,4	on/off	A+
Ceiling cut out DA 210 mm, HE 110 mm									
901455.002	L 220, B 220, H 3	LED [1]	830	2000 lm	30 W	110°	27,2	on/off	A+
901455.002.1	L 220, B 220, H 3	LED [1]	840	2250 lm	30 W	110°	27,6	on/off	A+

Comparison LED vs. conventional lamps

LED 9,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 20 W ≈
2 x 18 W TC-D (52 W CB)

LED 30 W ≈
2 x 26 W TC-D (68 W CB)



TOLEDO FLAT

Recessed downlights

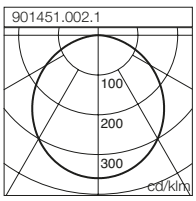
- Ultra thin recessed LED downlight
- Lightguide and diffuser made of non-yellowing PMMA
- Shallow recessed depth
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Tunable white versions dynamically adjustable from 2700 K to 6500 K
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download



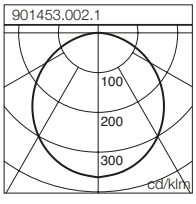
Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Pendant luminaires
Indoor lighting | Surface mounted downlights
Indoor lighting | Fabric lampshade luminaires

- Easy to install thanks to tool-free spring fastening system
- Can be directly covered with thermal insulation material (does not apply for D 495 mm diameter)
- Separate converter box with connecting cable
- DALI converter is compatible with DC, suitable for central battery system
- Surface mounted housing as accessory for all sizes
- Retrofittable decorative cylinders made of chintz fabric as accessory,optional with satin finish polycarbonate diffuser
- Applications:
  Corridors, side rooms, hotels, restaurants, conference rooms, private rooms

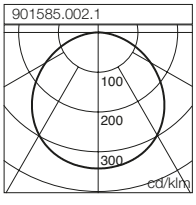
901451.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
16	24	32
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
23	35	58



901453.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	9	14



901585.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

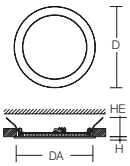


The application image shows:
Toledo Flat

© Linus Lintner | artesan GmbH & Co. KG a member of Klosterfrau



Recessed downlights | Toledo Flat Round



Type of Protection: **IP 40**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03 (Tunable White), IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

LED 7,9 / 8,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 / 19 W ≈
1 x 32 W TC-D (36 W CB)

LED 23 / 24 W ≈
2 x 26 W TC-D (68 W CB)

LED 30 / 35 / 36 W ≈
3 x 26 W TC-D (102 W CB)
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able		EEC
Recessed downlights									**Price Category 21**
Diffuser: plastic, opal									
Ceiling cut out DA 128 mm									
901451.002 .Q	D 148, H 2, HE 27-53	LED	830	390 lm	5 W	110°	on/off	✓	A+
901451.002.76	D 148, H 2, HE 31-53	LED	830	390 lm	5 W	110°	DALI		A+
901451.002.1 .Q	D 148, H 2, HE 27-53	LED	840	400 lm	5 W	110°	on/off	✓	A+
901451.002.1.76	D 148, H 2, HE 31-53	LED	840	400 lm	5 W	110°	DALI		A+
Ceiling cut out DA 170 mm									
901452.002 .Q	D 190, H 3, HE 27-53	LED	830	740 lm	7,9 W	110°	on/off	✓	A+
901452.002.76	D 190, H 3, HE 31-53	LED	830	740 lm	7,9 W	110°	DALI		A+
901452.002.1 .Q	D 190, H 3, HE 27-53	LED	840	840 lm	8,7 W	110°	on/off	✓	A+
901452.002.1.76	D 190, H 3, HE 31-53	LED	840	840 lm	8,7 W	110°	DALI		A+
Ceiling cut out DA 234 mm									
901453.002 .Q	D 255, H 3, HE 30-56	LED	830	1650 lm	18 W	110°	on/off	✓	A+
901453.002.76 .Q	D 255, H 3, HE 31-56	LED	830	1650 lm	18 W	110°	DALI		A+
901453.002.1 .Q	D 255, H 3, HE 30-56	LED	840	1650 lm	18 W	110°	on/off	✓	A+
901453.002.1.76 .Q	D 255, H 3, HE 31-56	LED	840	1650 lm	18 W	110°	DALI		A+
Tunable White - 2700 K to 6500 K									
901666.002.730	D 255, H 3, HE 55-75	LED	827-865	1700 lm	19 W	110°	smart+free		A+
Ceiling cut out DA 288 mm									
901484.002 .Q	D 317, H 3, HE 31-54	LED	830	2150 lm	23 W	108°	on/off	✓	A+
901484.002.76 .Q	D 317, H 3, HE 31-54	LED	830	2150 lm	23 W	108°	DALI		A+
901484.002.1 .Q	D 317, H 3, HE 31-54	LED	840	2250 lm	23 W	108°	on/off	✓	A+
901484.002.1.76 .Q	D 317, H 3, HE 31-54	LED	840	2250 lm	23 W	108°	DALI		A+
Tunable White - 2700 K to 6500 K									
901667.002.730	D 317, H 3, HE 55-75	LED	827-865	2350 lm	24 W	108°	smart+free		A+
Ceiling cut out DA 470 mm									
901585.002	D 495, H 6, HE 40-59	LED	830	3550 lm	35 W	113°	on/off		A+
901585.002.76	D 495, H 6, HE 40-59	LED	830	3550 lm	35 W	113°	DALI		A+
901585.002.1	D 495, H 6, HE 40-59	LED	840	3600 lm	36 W	113°	on/off		A+
901585.002.1.76	D 495, H 6, HE 40-59	LED	840	3600 lm	36 W	113°	DALI		A+
Tunable White - 2700 K to 6500 K									
901668.002.730	D 495, H 6, HE 55-75	LED	827-865	3050 lm	30 W	113°	smart+free		A+
Diffuser: transparent plastic, microprismatic									
Ceiling cut out DA 470 mm									
901586.002	D 495, H 6, HE 40-59	LED	830	3450 lm	35 W	88°	on/off		A+
901586.002.76	D 495, H 6, HE 40-59	LED	830	3450 lm	35 W	88°	DALI		A+
901586.002.1	D 495, H 6, HE 40-59	LED	840	3550 lm	35 W	88°	on/off		A+
901586.002.1.76	D 495, H 6, HE 40-59	LED	840	3550 lm	35 W	88°	DALI		A+
Tunable White - 2700 K to 6500 K									
901669.002.730	D 495, H 6, HE 55-75	LED	827-865	3000 lm	30 W	88°	smart+free		A+


D 148


D 190


D 255


D 317


D 495


D 495 microprismatic



Recessed frame			Price Category 21
Module 600			
982182.002	L 595, B 595, H 36	for Toledo Flat Round D 495	
Module 625			
982183.002	L 622, B 622, H 36	for Toledo Flat Round D 495	



Accessories | Surface mounting accessories

Ceiling frame and mounting plate galvanised metal. Cylinder housing sheet steel powder-coated. Downlight can be locked without tools.

Surface mounted housing			Price Category 21
982072.002*	D 150, H 55	for Toledo Flat Round D 148	
982073.002	D 192, H 55	for Toledo Flat Round D 190	
982074.002	D 257, H 60	for Toledo Flat Round D 255	
982119.002	D 319, H 60	for Toledo Flat Round D 317	
982181.002	D 500, H 57	for Toledo Flat Round D 495	

* Not suitable for DALI version
not suitable for tunable white version

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

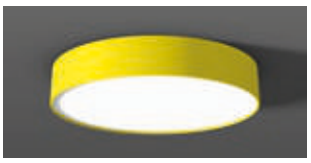
Accessories | Chintz decorative element Toledo Flat Round

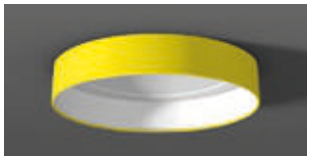


Standard colour covering surface: 66.8003.01 white
Other colours (see page 335) available at the same price.
Please include the colour code in your order.
Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white


with diffuser


without diffuser

Reference number	Dimensions		
Chintz lampshades			**Price Category 21**
982319.002	D 153, H 60	Chintz decorative cylinder for Toledo Flat Round D 148	
982320.002	D 195, H 60	Chintz decorative cylinder for Toledo Flat Round D 190	
982321.002	D 260, H 60	Chintz decorative cylinder for Toledo Flat Round D 255	
982322.002	D 322, H 60	Chintz decorative cylinder for Toledo Flat Round D 317	
982323.002	D 500, H 60	Chintz decorative cylinder for Toledo Flat Round D 495	

Cannot be fitted with surface mount housing



Satin finish polycarbonate diffuser (optional)			**Price Category 21**
Can be installed on the decorative element without any tools			
982324.002	D 151, H 4	Accessories for chintz decorative cylinder D 153	
982325.002	D 193, H 4	Accessories for chintz decorative cylinder D 195	
982326.002	D 258, H 4	Accessories for chintz decorative cylinder D 260	
982327.002	D 320, H 4	Accessories for chintz decorative cylinder D 322	
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500	

Diffusers with Chintz fabric in all colours on request.



Chintz lampshades		**Price Category 21**
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	

Other variants and colour chart with more than 70 colors see chapter of fabric lampshade luminaires





Comparison
LED vs. conventional lamps

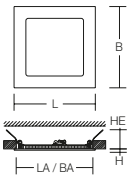
LED 4,7 W ≈
1 x 10 W TC-D (16 W CB)

LED 8 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 / 9 W ≈
1 x 32 W TC-TEL (36 W EB)

LED 22 / 23 W ≈
2 x 26 W TC-D (68 W CB)

Recessed downlights | Toledo Flat Square



Type of Protection: **IP 40**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03 (Tunable White), IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Recessed downlights							**Price Category 21**
Diffuser: plastic, opal							
Ceiling cut out LA 96 x BA 96 mm							
901485.002	L 110, B 110, H 3, HE 27-56	LED	830	370 lm	4,7 W	107° on/off ✓	A+
901485.002.76	L 110, B 110, H 3, HE 31-56	LED	830	370 lm	4,7 W	107° DALI	A+
901485.002.1	L 110, B 110, H 3, HE 27-56	LED	840	380 lm	4,7 W	107° on/off ✓	A+
901485.002.1.76	L 110, B 110, H 3, HE 31-56	LED	840	380 lm	4,7 W	107° DALI	A+
Ceiling cut out LA 156 x BA 156 mm							
901486.002	L 172, B 172, H 3, HE 28-56	LED	830	730 lm	8 W	108° on/off ✓	A+
901486.002.76	L 172, B 172, H 3, HE 31-56	LED	830	730 lm	8 W	108° DALI	A+
901486.002.1	L 172, B 172, H 3, HE 28-56	LED	840	750 lm	8 W	108° on/off ✓	A+
901486.002.1.76	L 172, B 172, H 3, HE 31-56	LED	840	750 lm	8 W	108° DALI	A+
Ceiling cut out LA 208 x BA 208 mm							
901487.002 .Q	L 225, B 225, H 3, HE 29-56	LED	830	1600 lm	18 W	108° on/off ✓	A+
901487.002.76	L 225, B 225, H 3, HE 31-56	LED	830	1600 lm	18 W	108° DALI	A+
901487.002.1 .Q	L 225, B 225, H 3, HE 29-56	LED	840	1650 lm	18 W	108° on/off ✓	A+
901487.002.1.76	L 225, B 225, H 3, HE 31-56	LED	840	1650 lm	18 W	108° DALI	A+
Tunable White - 2700 K to 6500 K							
901670.002.730	L 225, B 225, H 3, HE 55-75	LED	827-865	1600 lm	19 W	108° smart+free	A+
Ceiling cut out LA 280 x BA 280 mm							
901488.002 .Q	L 300, B 300, H 3, HE 31-56	LED	830	2050 lm	22 W	108° on/off ✓	A+
901488.002.76	L 300, B 300, H 3, HE 31-56	LED	830	2050 lm	22 W	108° DALI	A+
901488.002.1 .Q	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108° on/off ✓	A+
901488.002.1.76	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108° DALI	A+
Tunable White - 2700 K to 6500 K							
901671.002.730	L 300, B 300, H 3, HE 55-75	LED	827-865	1750 lm	23 W	108° smart+free	A+


L x B 110


L x B 172


L x B 225


L x B 300

Accessories | Surface mounting accessories

Surface mounted housing: sheet steel, powder coated. Downlight can be locked without tools.

Surface mounted housing			Price Category 21
982138.002*	L 110, B 110, H 55	for Toledo Flat Square 110 x 110	
982139.002	L 172, B 172, H 55	for Toledo Flat Square 172 x 172	
982140.002	L 225, B 225, H 55	for Toledo Flat Square 225 x 225	
982141.002	L 300, B 300, H 55	for Toledo Flat Square 300 x 300	

* Not suitable for DALI version
not suitable for tunable white version



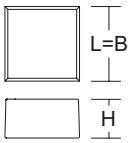






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Accessories | Chintz decorative element Toledo Flat Square



Standard colour covering surface: 66.8003.01 white
Other colours (see page 335) available at the same price.
Please include the colour code in your order.
Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: 2 = white


with diffuser


without diffuser

Reference number	Dimensions	
Chintz lampshades		**Price Category 21**
982501.002	L 115, B 115, H 60	Chintz decorative element for Toledo Flat Square 110 x 110
982502.002	L 177, B 177, H 60	Chintz decorative element for Toledo Flat Square 172 x 172
982503.002	L 230, B 230, H 60	Chintz decorative element for Toledo Flat Square 225 x 225
982504.002	L 305, B 305, H 60	Chintz decorative element for Toledo Flat Square 300 x 300



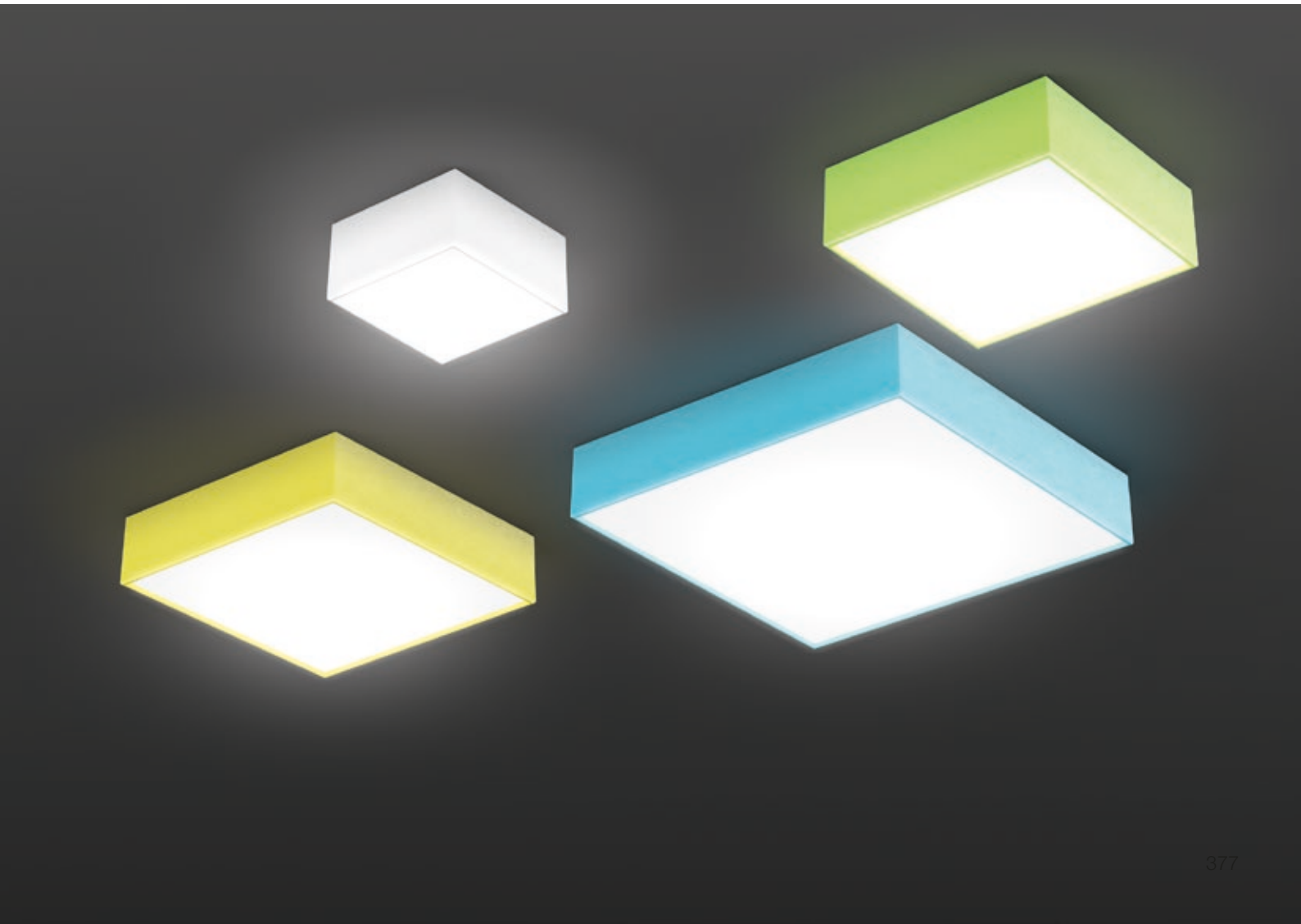
Satin finish polycarbonate diffuser (optional)		**Price Category 21**
Can be installed on the decorative element without any tools		
982505.002	L 113, B 113, H 4	Accessories for chintz decor cube 115 x 115
982506.002	L 175, B 175, H 4	Accessories for chintz decor cube 177 x 177
982507.002	L 228, B 228, H 4	Accessories for chintz decor cube 230 x 230
982508.002	L 303, B 303, H 4	Accessories for chintz decor cube 305 x 305

Diffusers with Chintz fabric in all colours on request.



Chintz lampshades		**Price Category 21**
Colour chart		
W06630	Chintz lampshades are available in more than 70 different colours	

Other variants and colour chart with more than 70 colors see chapter of fabric lampshade luminaires





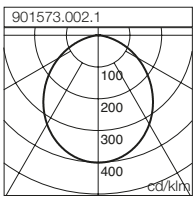
DALI

TOLEDO

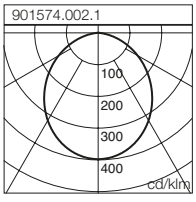
Recessed downlights

- High efficiency LED recessed downlight in three sizes
- Housing and opal plastic diffuser made of UV-resistant polycarbonate
- Homogeneous and smooth light distribution
- Protection type IP 44
- Luminous efficiency up to 117 lm/W
- LED rated life 50,000 h (L70, B50)
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Suitable for through-wiring
- Spring fastening system for installation without tools
- Colour rendering index Ra > 80

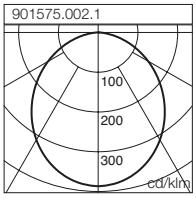
901573.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
8	12	15
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
11	16	27



901574.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	8	13

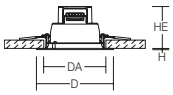


901575.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed downlights | Toledo





Type of Protection: **IP 44**
Protection Class: II
Ceiling Thickness: 1-25 mm
Impact Protection: IK05

Bezel ring: die-cast aluminium, powder coated. Housing plastic (polycarbonate UV-resistant). Diffusor plastic (polycarbonate UV-resistant) opal, impact resistant. Spring fastening system. Suitable for through-wiring. On/off version with integrated converter. DALI version with separate converter.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out DA 105 mm, HE 100 mm									
901573.002	D 130, H 2	LED	827	760 lm	8 W	102°	26,5	on/off	A+
901573.002.1	D 130, H 2	LED	840	850 lm	8 W	102°	26,9	on/off	A+
Ceiling cut out DA 105 mm, HE 140 mm									
901573.002.76	D 130, H 2	LED	827	760 lm	9 W	102°	27,3	DALI	A+
901573.002.1.76	D 130, H 2	LED	840	850 lm	9 W	102°	27,7	DALI	A+
Ceiling cut out DA 150 mm, HE 140 mm									
901574.002	D 172, H 2	LED	827	1700 lm	17 W	102°	27,1	on/off	A+
901574.002.76	D 172, H 2	LED	827	1700 lm	18 W	102°	27,9	DALI	A+
901574.002.1	D 172, H 2	LED	840	1850 lm	17 W	102°	27,4	on/off	A+
901574.002.1.76	D 172, H 2	LED	840	1850 lm	18 W	102°	28,2	DALI	A+
Ceiling cut out DA 200 mm, HE 140 mm									
901575.002	D 225, H 4	LED	827	2600 lm	26 W	104°	26,9	on/off	A+
901575.002.76	D 225, H 4	LED	827	2600 lm	27 W	104°	27,7	DALI	A+
901575.002.1	D 225, H 4	LED	840	3050 lm	26 W	104°	27,4	on/off	A+
901575.002.1.76	D 225, H 4	LED	840	3050 lm	27 W	104°	28,2	DALI	A+

Comparison
LED vs. conventional lamps

LED 8 / 9 W ≈
1 x 18 W TC-D (26 W CB)

LED 17 / 18 W ≈
1 x 42 W TC-TEL (47 W EB)

LED 26 / 27 W ≈
2 x 32 W TC-TEL (69 W EB)





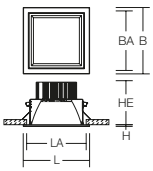




DALI



Recessed downlights | Quardo LED 165



Type of Protection: **IP 23**
Protection Class: II
Ceiling Thickness: 1-30 mm
Impact Protection: IK02

Mounting and masking frame: metal, powder-coated. Bracket: galvanised sheet steel. Reflector: aluminium, highly polished anodised finish. Cover plate: satin finish. Ceiling installation with spring system. LED converter in separate box. With connecting cable (L 400 mm). Suitable for through-wiring.

Available colours (X): 2 = white, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Recessed downlights									**Price Category 21**
Ceiling cut out LA 165 x BA 165 mm, HE 180 mm									
901288.00X	L 195, B 195, H 5	LED	830	1650 lm	21 W	69°	19,5	on/off	A+
901288.00X.76	L 195, B 195, H 5	LED	830	1650 lm	21 W	69°	19,5	DALI	A+
901289.00X	L 195, B 195, H 5	LED	840	1750 lm	21 W	69°	19,6	on/off	A+
901289.00X.76	L 195, B 195, H 5	LED	840	1750 lm	21 W	69°	19,6	DALI	A+
Ceiling cut out LA 165 x BA 165 mm, HE 220 mm									
901472.00X	L 195, B 195, H 5	LED	830	3750 lm	48 W	69°	22,3	on/off	A+
901472.00X.76	L 195, B 195, H 5	LED	830	3750 lm	48 W	69°	22,3	DALI	A+
901473.00X	L 195, B 195, H 5	LED	840	3900 lm	48 W	69°	22,4	on/off	A+
901473.00X.76	L 195, B 195, H 5	LED	840	3900 lm	48 W	69°	22,4	DALI	A+

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 48 W ≈
2 x 42 W TC-TEL (90 W EB)

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



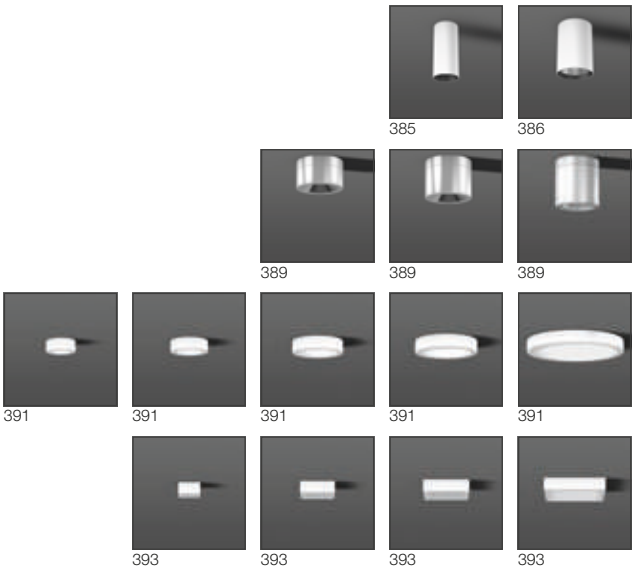
© Fotostudio Lippmann

The application image shows:
Quardo



The application image shows:
Toledo Flat

© Linus Lintner



Heledon
384-387

Andho
388-389

Toledo Flat
390-393

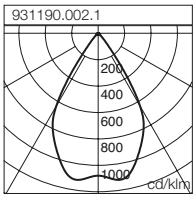


HELEDON®

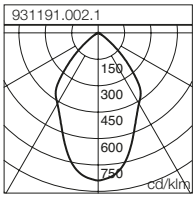
Surface mounted downlights

- High quality die-cast aluminium housing in two sizes
- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Suitable for reflector as well as lens technologies
- MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone
- Interchangeable lenses with different beam angles
- Black plastic ring with recessed LED for avoiding glare from the side
- Further light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 as well as with Maxi special food LEDs: champagne with Ra 97, meat and meat fresh available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- Easy installation with a separate ceiling frame with bayonet mounting and plug connection
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring

931190.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



931191.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6

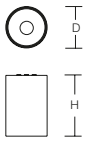




Further luminaires of this series, see:
Indoor lighting | Recessed downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | Heledon Mini





Type of Protection: IP 20
Protection Class: I

Housing: pressure die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With faceted aluminium reflector set assembly or polycarbonate lens. Converter installed.

Available colour: 2 = white

Colours black and silver on request

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Surface mounted downlights									**Price Category 21**
Including lens for best uniformity of the light cone									
931189.002	D 87, H 197	LED	830	2000 lm	19 W	70°	25,0	on/off	A++
931189.002.76	D 87, H 197	LED	830	2000 lm	19 W	70°	25,0	DALI	A++
931189.002.1	D 87, H 197	LED	840	2100 lm	19 W	70°	25,2	on/off	A++
931189.002.1.76	D 87, H 197	LED	840	2100 lm	19 W	70°	25,2	DALI	A++
931191.002	D 87, H 197	LED	830	2900 lm	29 W	70°	26,3	on/off	A++
931191.002.76	D 87, H 197	LED	830	2900 lm	29 W	70°	26,3	DALI	A++
931191.002.1	D 87, H 197	LED	840	3050 lm	29 W	70°	26,5	on/off	A++
931191.002.1.76	D 87, H 197	LED	840	3050 lm	29 W	70°	26,5	DALI	A++
Including wide beam reflector									
931188.002	D 87, H 197	LED	830	2350 lm	19 W	62°	20,5	on/off	A++
931188.002.76	D 87, H 197	LED	830	2350 lm	19 W	62°	20,5	DALI	A++
931188.002.1	D 87, H 197	LED	840	2450 lm	19 W	62°	20,6	on/off	A++
931188.002.1.76	D 87, H 197	LED	840	2450 lm	19 W	62°	20,6	DALI	A++
931190.002	D 87, H 197	LED	830	3350 lm	29 W	62°	21,7	on/off	A++
931190.002.76	D 87, H 197	LED	830	3350 lm	29 W	62°	21,7	DALI	A++
931190.002.1	D 87, H 197	LED	840	3500 lm	29 W	62°	21,9	on/off	A++
931190.002.1.76	D 87, H 197	LED	840	3500 lm	29 W	62°	21,9	DALI	A++

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 19 W ≈
1 x 90 W QT 12 (98 W)
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 150 W QT16 (150 W)
1 x 50 W HIT (60 W CB)

Diffuser			Price Category 21
982370.000	D 75, H 3	Safety glass clear	
982370.010	D 75, H 3	Safety glass, satin finish	

Anti-glare horizontal dots			Price Category 21
982371.003	D 74, H 3	Honeycomb louvre Mini	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector	
982421.002	D 82, H 31	White plastic ring for lens	

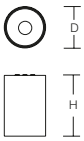


Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector, narrow beam 17°	
982368.013	D 82, H 55	Reflector, medium beam 32°	
982368.023	D 82, H 55	Reflector, wide beam 47°	
982368.033	D 82, H 55	Reflector, wide beam 62°	
982369.003	D 82, H 55	Lens, narrow beam 18°	
982369.013	D 82, H 55	Lens, medium beam 29°	
982369.023	D 82, H 55	Lens, wide beam 44°	
982369.033	D 82, H 55	Lens, very wide beam 70°	
982369.043	D 82, H 55	Lens with oval light distribution for corridor 28°/40°	





Surface mounted downlights | Heledon Maxi



Type of Protection: IP 20
Protection Class: I

Housing: pressure die-cast aluminium, powder-coated. Internal ceiling frame polycarbonate with bayonet mounting. Connected via plug-in connector. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Converter installed.

Available colour: 2 = white

Colours black and silver on request

Comparison
LED vs. conventional lamps

LED 24 W ≈
1 x 150 W QT16 (150 W)
1 x 35 W HIT (45 W CB)

LED 37 W ≈
1 x 50 W HIT (60 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	.Q	UGR	dimm-able	EEC
Surface mounted downlights									**Price Category 21**
Including lens for best uniformity of the light cone									
931193.002	D 123, H 183	LED	830	2350 lm	24 W	41°	12,9	on/off	A++
931193.002.76	D 123, H 183	LED	830	2350 lm	24 W	41°	12,9	DALI	A++
931193.002.1	D 123, H 183	LED	840	2500 lm	24 W	41°	13,1	on/off	A++
931193.002.1.76	D 123, H 183	LED	840	2500 lm	24 W	41°	13,1	DALI	A++
931195.002	D 123, H 183	LED	830	3300 lm	37 W	41°	14,1	on/off	A++
931195.002.76	D 123, H 183	LED	830	3300 lm	37 W	41°	14,1	DALI	A++
931195.002.1	D 123, H 183	LED	840	3500 lm	37 W	41°	14,2	on/off	A++
931195.002.1.76	D 123, H 183	LED	840	3500 lm	37 W	41°	14,2	DALI	A++
Including reflector for maximum efficiency									
931192.002	D 123, H 183	LED	830	3000 lm	24 W	63°	19,6	on/off	A++
931192.002.76	D 123, H 183	LED	830	3000 lm	24 W	63°	19,6	DALI	A++
931192.002.1	D 123, H 183	LED	840	3150 lm	24 W	63°	19,8	on/off	A++
931192.002.1.76	D 123, H 183	LED	840	3150 lm	24 W	63°	19,8	DALI	A++
931194.002	D 123, H 183	LED	830	4150 lm	37 W	63°	20,8	on/off	A++
931194.002.76	D 123, H 183	LED	830	4150 lm	37 W	63°	20,8	DALI	A++
931194.002.1	D 123, H 183	LED	840	4400 lm	37 W	63°	20,9	on/off	A++
931194.002.1.76	D 123, H 183	LED	840	4400 lm	37 W	63°	20,9	DALI	A++

Ra > 90 options on request

Diffuser			**Price Category 21**
982374.000	D 111, H 3	Safety glass clear	
982374.010	D 111, H 3	Safety glass, satin finish	



Anti-glare horizontal dots			**Price Category 21**
982375.003	D 111, H 3	Maxi honeycomb louvre	



Interchangeable plastic rings			**Price Category 21**
982420.002	D 118, H 20	White plastic ring for reflector	
982422.002	D 118, H 33	White plastic ring for lens	



Interchangeable optics			**Price Category 21**
982372.003	D 118, H 83	Reflector, narrow beam 10°	
982372.013	D 118, H 83	Reflector, medium beam 20°	
982372.023	D 118, H 83	Reflector, wide beam 34°	
982372.033	D 118, H 83	Reflector, very wide beam 63°	
982373.003	D 118, H 83	Lens, narrow beam 12°	
982373.013	D 118, H 83	Lens, medium beam 29°	
982373.023	D 118, H 83	Lens, wide beam 41°	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Jürg Knuchel

The application image shows:
Heledon



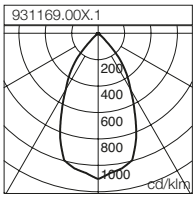
DALI

ANDHO®

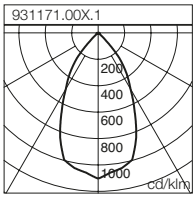
Surface mounted downlights

- High-quality LED die cast aluminium surface-mounted downlight
- Protection type IP 65
- LED rated life 50,000 h (L80, B10 at 21 W and 30 W; L80, B50 at 35 W)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Suspension set as accessory

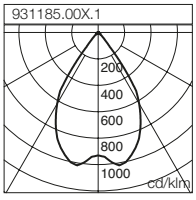
931169.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	9



931171.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7

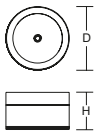


931185.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	4



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | Andho Flat





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Housing: aluminium extrusion profile, powder-coated. Cover ring and ceiling frame die cast aluminium, powder coated. Reflector: aluminium, highly polished anodised finish. 5 pole double terminal for through-wiring. With safety glass, clear.

Available colours (X): 2 = white, 4 = silver metallic

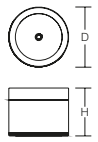
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Surface mounted downlights									**Price Category 21**
931169.00X	D 230, H 138	LED	830	1800 lm	21 W	56°	15,9	on/off	A++
931169.00X.76	D 230, H 138	LED	830	1800 lm	21 W	56°	15,9	DALI	A++
931169.00X.1	D 230, H 138	LED	840	1850 lm	21 W	56°	16,0	on/off	A++
931169.00X.1.76	D 230, H 138	LED	840	1850 lm	21 W	56°	16,0	DALI	A++

Accessories	Price Category 21
981678.00X	Suspension cable (2m) with 5-pole power supply cable (IP 23)
981694.00X	Bezel ring (screwed on the luminaire), with safety glass, matt

Comparison
LED vs. conventional lamps

LED 21 W ≈
2 x 26 W TC-D (68 W CB)
1 x 35 W HIT-CE (45 W CB)

Surface mounted downlights | Andho Midi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Housing: aluminium extrusion profile, powder-coated. Cover ring and ceiling frame die cast aluminium, powder coated. Reflector: aluminium, highly polished anodised finish. 5 pole double terminal for through-wiring. With safety glass, clear.

Available colours (X): 2 = white, 4 = silver metallic

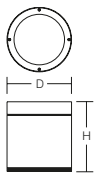
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Surface mounted downlights									**Price Category 21**
931171.00X	D 230, H 188	LED	830	2700 lm	30 W	56°	17,3	on/off	A++
931171.00X.76	D 230, H 188	LED	830	2700 lm	30 W	56°	17,3	DALI	A++
931171.00X.1	D 230, H 188	LED	840	2750 lm	30 W	56°	17,4	on/off	A++
931171.00X.1.76	D 230, H 188	LED	840	2750 lm	30 W	56°	17,4	DALI	A++

Accessories	Price Category 21
981678.00X	Suspension cable (2m) with 5-pole power supply cable (IP 23)
981694.00X	Bezel ring (screwed on the luminaire), with safety glass, matt

Comparison
LED vs. conventional lamps

LED 30 W ≈
2 x 32 W TC-D (69 W EB)
1 x 50 W HIT-CE (60 W CB)

Surface mounted downlights | Andho High





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Housing: aluminium extrusion profile, powder-coated. Cover ring and ceiling frame die cast aluminium, powder coated. Reflector: aluminium, highly polished anodised finish. 5 pole double terminal for through-wiring. With safety glass, clear.

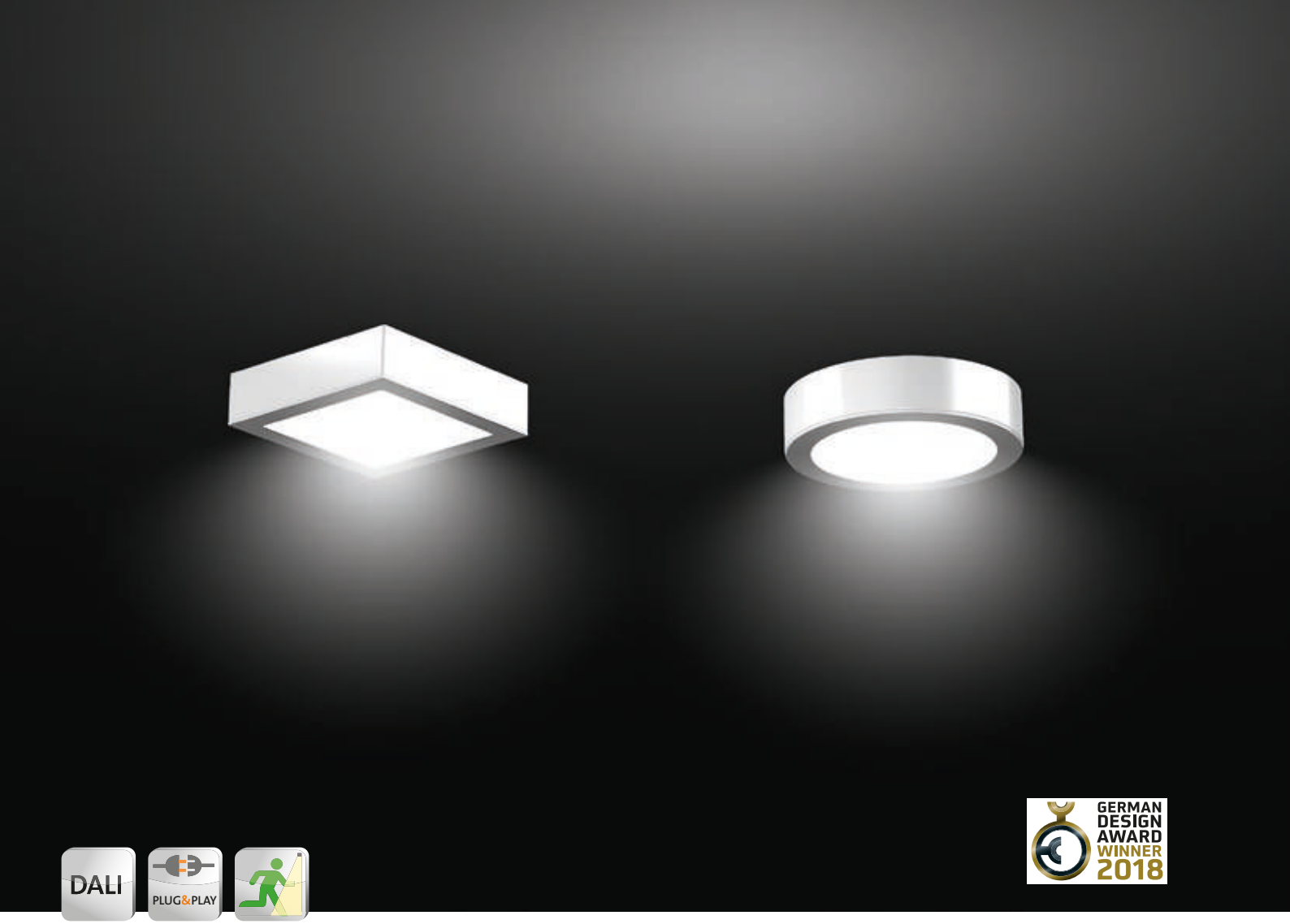
Available colours (X): 2 = white, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Surface mounted downlights									**Price Category 21**
931185.00X	D 230, H 250	LED	830	4050 lm	35 W	67°	18,1	on/off	A++
931185.00X.76	D 230, H 250	LED	830	4050 lm	35 W	67°	18,1	DALI	A++
931185.00X.1	D 230, H 250	LED	840	4350 lm	35 W	67°	18,4	on/off	A++
931185.00X.1.76	D 230, H 250	LED	840	4350 lm	35 W	67°	18,4	DALI	A++

Accessories	Price Category 21
981678.00X	Suspension cable (2m) with 5-pole power supply cable (IP 23)
981694.00X	Bezel ring (screwed on the luminaire), with safety glass, matt

Comparison
LED vs. conventional lamps

LED 35 W ≈
2 x 42 W TC-TEL (90 W EB)
1 x 70 W HIT (84 W CB)



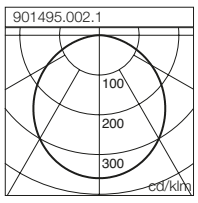
TOLEDO FLAT

Surface mounted downlights

- Extra flat LED surface-mounted downlight in five sizes round and four sizes square
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Suitable for ceiling and wall mounting
- Very low installation height
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Applications:
  Corridors, side rooms, hotels, restaurants, conference rooms, private rooms

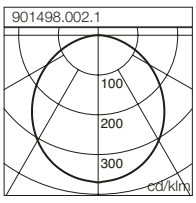
901495.002.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
16	24	32
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
23	35	58



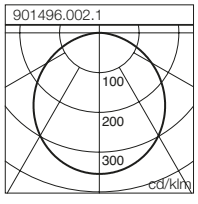
901498.002.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



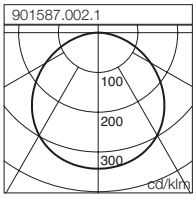
901496.002.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
8	12	16
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
12	17	29



901587.002.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7

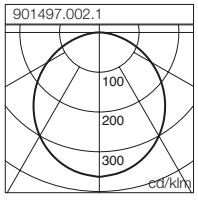




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires
Indoor lighting | Recessed modular luminaires
Indoor lighting | Recessed downlights
Indoor lighting | Fabric lampshade luminaires

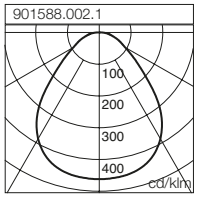
901497.002.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	9	14



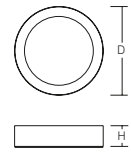
901588.002.1

Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | Toledo Flat Round





Type of Protection: **IP 40**
Protection Class: II
Impact Protection: IK06

Cylinder housing sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated.
Lightguide and diffuser made of non-yellowing PMMA, opal matt or prismatic.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able		EEC
Surface mounted downlights										**Price Category 21**
Diffuser: plastic, opal										
Diameter D 150 mm										
901495.002	D 150, H 57	LED	830	390 lm	5 W	110°	25,9	on/off	✓	A+
901495.002.1	D 150, H 57	LED	840	400 lm	5 W	110°	26,0	on/off	✓	A+
Diameter D 192 mm										
901496.002	D 192, H 58	LED	830	740 lm	7,9 W	110°	25,7	on/off	✓	A+
901496.002.76	D 192, H 58	LED	830	740 lm	7,9 W	110°	25,7	DALI		A+
901496.002.1	D 192, H 58	LED	840	840 lm	8,7 W	110°	26,2	on/off	✓	A+
901496.002.1.76	D 192, H 58	LED	840	840 lm	8,7 W	110°	26,2	DALI		A+
Diameter D 257 mm										
901497.002	D 257, H 63	LED	830	1650 lm	18 W	110°	26,0	on/off	✓	A+
901497.002.76	D 257, H 63	LED	830	1650 lm	18 W	110°	26,0	DALI		A+
901497.002.1	D 257, H 63	LED	840	1650 lm	18 W	110°	26,1	on/off	✓	A+
901497.002.1.76	D 257, H 63	LED	840	1650 lm	18 W	110°	26,1	DALI		A+
Diameter D 319 mm										
901498.002	D 319, H 63	LED	830	2150 lm	23 W	108°	25,1	on/off	✓	A+
901498.002.76	D 319, H 63	LED	830	2150 lm	23 W	108°	25,1	DALI		A+
901498.002.1	D 319, H 63	LED	840	2250 lm	23 W	108°	25,2	on/off	✓	A+
901498.002.1.76	D 319, H 63	LED	840	2250 lm	23 W	108°	25,2	DALI		A+
Diameter D 500 mm										
901587.002	D 500, H 63	LED	830	3550 lm	35 W	113°	23,4	on/off	✓	A+
901587.002.76	D 500, H 63	LED	830	3550 lm	35 W	113°	23,4	DALI		A+
901587.002.1	D 500, H 63	LED	840	3600 lm	36 W	113°	23,4	on/off	✓	A+
901587.002.1.76	D 500, H 63	LED	840	3600 lm	36 W	113°	23,4	DALI		A+
Diffuser: transparent plastic, microprismatic										
Diameter D 500 mm										
901588.002	D 500, H 63	LED	830	3450 lm	35 W	88°	20,3	on/off	✓	A+
901588.002.76	D 500, H 63	LED	830	3450 lm	35 W	88°	20,3	DALI		A+
901588.002.1	D 500, H 63	LED	840	3550 lm	35 W	88°	20,6	on/off	✓	A+
901588.002.1.76	D 500, H 63	LED	840	3550 lm	35 W	88°	20,6	DALI		A+

Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

LED 7,9 / 8,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 W ≈
2 x 18 W TC-D (52 W CB)

LED 23 W ≈
2 x 26 W TC-D (68 W CB)

LED 35 / 36 W ≈
3 x 26 W TC-D (102 W CB)
4 x 18 W T26 (104 W CB)
4 x 14 W T16 (68 W EB)


D 150


D 192


D 257


D 319


D 500


D 500 prismatic

Accessories | Supporting ring for fabric lamp shades
Retrofittable holder for a tool-free mounting of a lamp shade.
Ring metal powder coated. M4 Threaded. Knurled nuts plastic.

Mounting ring for fabric lamp shades			Price Category 21
982386.002	D 162, H 10	for surface and pendant Toledo Flat Round D 150 for mounting the lamp shade Toledo Flatliner 200	
982387.002	D 204, H 10	for surface and pendant Toledo Flat Round D 192 for mounting the lamp shade Toledo Flatliner 242	
982388.002	D 270, H 10	for surface and pendant Toledo Flat Round D 257 for mounting the lamp shade Toledo Flatliner 307	
982389.002	D 331, H 10	for surface and pendant Toledo Flat Round D 319 for mounting the lamp shade Toledo Flatliner 369	





Further luminaires of this series and a colour chart
with more than 70 available colours, see:
Indoor Lighting: Fabric lampshade luminaires



The application image shows:
Toledo Flat Square

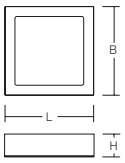
© Fotostudio Lippmann

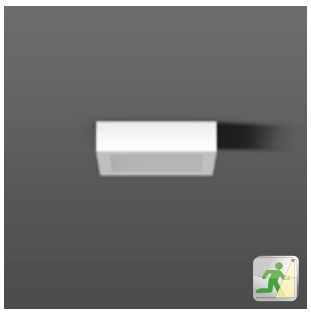
Surface mounted downlights | Toledo Flat Square

Type of Protection: **IP 40**
Protection Class: II
Impact Protection: IK06

Surface mounted housing: sheet steel, powder coated. Square cover plate: die cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt.

Available colour: 2 = white





Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able		EEC
Surface mounted downlights										**Price Category 21**
Length L 110 mm x Width B 110 mm										
901551.002	L 110, B 110, H 58	LED	830	370 lm	4,7 W	107°	27,8	on/off	✓	A+
901551.002.1	L 110, B 110, H 58	LED	840	380 lm	4,7 W	107°	27,9	on/off	✓	A+
Length L 172 mm x Width B 172 mm										
901552.002	L 172, B 172, H 58	LED	830	730 lm	8 W	108°	25,3	on/off	✓	A+
901552.002.76	L 172, B 172, H 58	LED	830	730 lm	8 W	108°	25,3	DALI		A+
901552.002.1	L 172, B 172, H 58	LED	840	750 lm	8 W	108°	25,3	on/off	✓	A+
901552.002.1.76	L 172, B 172, H 58	LED	840	750 lm	8 W	108°	25,3	DALI		A+
Length L 225 mm x Width B 225 mm										
901553.002	L 225, B 225, H 58	LED	830	1600 lm	18 W	108°	25,6	on/off	✓	A+
901553.002.76	L 225, B 225, H 58	LED	830	1600 lm	18 W	108°	25,6	DALI		A+
901553.002.1	L 225, B 225, H 58	LED	840	1650 lm	18 W	108°	25,6	on/off	✓	A+
901553.002.1.76	L 225, B 225, H 58	LED	840	1650 lm	18 W	108°	25,6	DALI		A+
Length L 300 mm x Width B 300 mm										
901554.002	L 300, B 300, H 58	LED	830	2050 lm	22 W	108°	23,9	on/off	✓	A+
901554.002.76	L 300, B 300, H 58	LED	830	2050 lm	22 W	108°	23,9	DALI		A+
901554.002.1	L 300, B 300, H 58	LED	840	2200 lm	22 W	108°	24,2	on/off	✓	A+
901554.002.1.76	L 300, B 300, H 58	LED	840	2200 lm	22 W	108°	24,2	DALI		A+

Comparison
LED vs. conventional lamps

LED 4,7 W ≈
1 x 10 W TC-D (16 W CB)

LED 8 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 W ≈
2 x 18 W TC-D (52 W CB)

LED 22 W ≈
2 x 26 W TC-D (68 W CB)


L x B 110


L x B 172


L x B 225


L x B 300



The application image shows:
Deecos S
Deecos R

© Jens Pfisterer


397

PAR16
396-397


399

Vortex
398-399


401


402

Levido Swing
400-403


407

Deecos R
406-409


411


411


411

Magcardo
410-413


415


416

Rondos
414-417


419


420

Golas
418-421

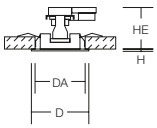


The application image shows:
PAR16

© Jürg Knuchel



Recessed projectors | PAR16



Type of Protection: **IP 23**
Protection Class: I
Ceiling Thickness: 1-25 mm
Impact Protection: IK02

Housing and recessed ring: metal. Lampholder: GU10 with lamp changer. Ceramic socket. Can be swivelled by ± 30°.

Lamp not included.

Available colours (X): 2 = white, 44 = chrome coloured

Reference number	Dimensions	Lamp	dimm-able	EEC
Recessed projectors				**Price Category 21**
Ceiling cut out DA 82 mm, HE 72 mm				
911005.00X	D 94, H 3	1 x QPAR16 50 W	on/off	A+ - D







DIM to Warm | Phase-cut | DALI | PLUG&PLAY

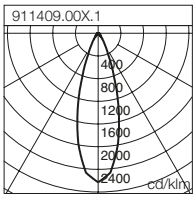
VORTEX

Recessed projectors

- Die-cast aluminium recessed projector with very small dimensions
- 68 mm ceiling cutout for standard hole cutter
- With external through-wiring box for phase cut dimming
- Connection LED converter via plug connection with 300 mm connecting cable with phase cut dimming
- Hybrid optical system with lens and reflector for homogeneous light distribution
- Alternative for low-voltage downlights 35 W and 50 W
- Versions dim to warm: during dimming, the light colour changes dynamically from 3000 K to 1800 K and thus provides a comfortable, cosy lighting atmosphere
- Colour rendering index Ra > 80 with standard LED; colour rendering index Ra 97 with dim to warm
- LED rated life: with standard LED 50,000 h (L70, B50); with dim to warm 25,000 h (L70, B50)
- Flexible directing of light thanks to pivot range ± 25°
- Versions with standard LED dimmable DALI or for phase cut dimming

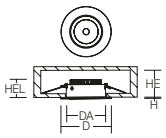
911409.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,56	1893
2,0	1,12	473
3,0	1,69	210
4,0	2,25	118
5,0	2,81	76



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | Vortex





Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-25 mm

Die-cast aluminium cover, powder-coated. Heat sink die-cast aluminium. Can be swivelled by ± 25°. Hybrid optical system with polycarbonate lens and reflector in white. Mounting depth depends on ceiling strength. Ceiling installation with spring system.

With phase cut dimming: LED converter with external through-wiring box via plug connection and connecting cable 300 mm.
With DALI: connected converter included in separate gearbox.

Available colours (X): 2 = white, 4 = silver coloured

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cut out DA 68 mm, minimum mechanical height installed HEL 28 mm								
911409.00X	D 80, H 2, HE 69-93	LED	828	900 lm	11 W	31°	Phase-cut	A+
911409.00X.76	D 80, H 2, HE 69-93	LED	828	900 lm	11 W	31°	DALI	A+
911409.00X.1	D 80, H 2, HE 69-93	LED	840	900 lm	11 W	31°	Phase-cut	A+
911409.00X.1.76	D 80, H 2, HE 69-93	LED	840	900 lm	11 W	31°	DALI	A+
Dim to warm - 3000 K to 1800 K								
911409.00X.2	D 80, H 2, HE 69-93	LED	930-918	500 lm	7,5 W	31°	Phase-cut	A+

Comparison
LED vs. conventional lamps

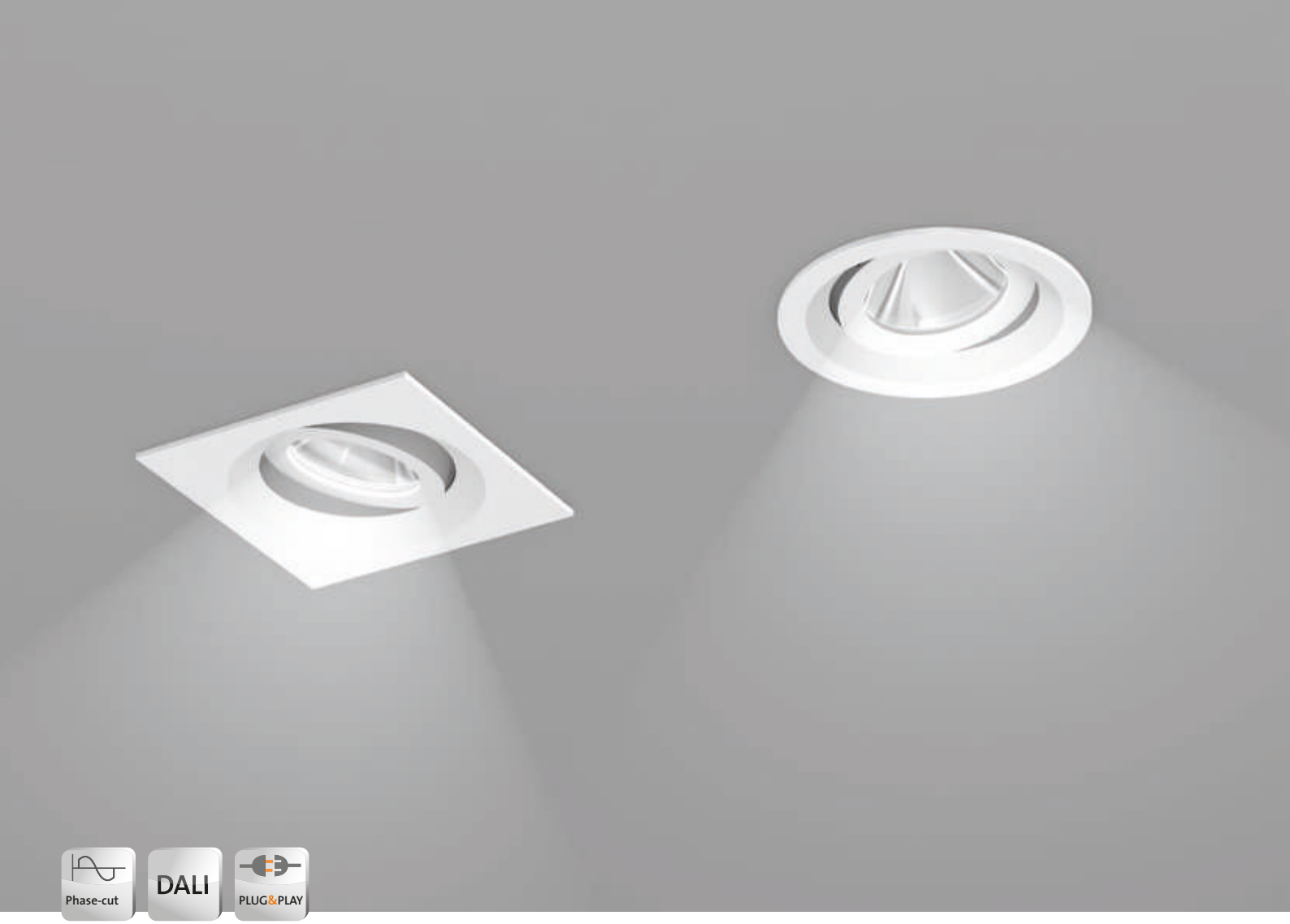
LED 7,5 W ≈
1 x 35 W QR-CB (39 W CB)

LED 11 W ≈
1 x 50 W QR51 (55 W CB)



© Jürg Kruchel

The application image shows:
Vortex



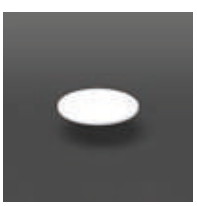
Phase-cut DALI PLUG&PLAY

LEVIDO SWING

Recessed projectors

- Daintily small dimensions
- Alternative for low-voltage spotlights 35 W and 50 W
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Two different beam angles
- Flexible directing of light thanks to pivot range ± 25°
- Safety glass cover to protect the LED
- Versions in DALI dimmable and for phase dimming

- Opal diffuser made of PMMA (included for optional use, mounting without tools):
  - for homogeneous light distribution
  - for reduction of direct glare



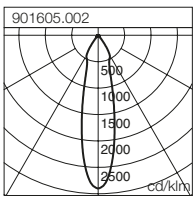
Opal PMMA plastic cover included as accessory.



Further luminaires of this series, see:
Indoor lighting | Recessed downlights

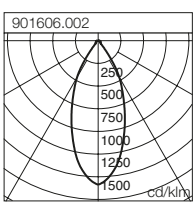
901605.002

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2,0	0,84	357
3,0	1,26	158
4,0	1,69	89
5,0	2,11	57



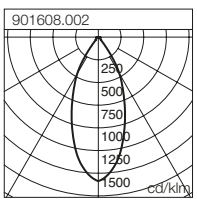
901606.002

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3,0	2,32	82
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5,0	3,86	29



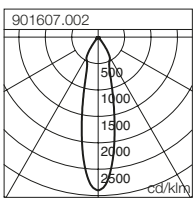
901608.002

h [m]	⌀ [m]	E [lx]
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3,0	2,34	123
4,0	3,12	69
5,0	3,90	44



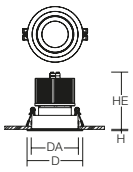
901607.002

h [m]	⌀ [m]	E [lx]
1,0	0,42	2098
2,0	0,84	525
3,0	1,26	233
4,0	1,69	131
5,0	2,11	84



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | Levido Swing Round





Type of Protection: **IP 40**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Die-cast aluminium cover, powder-coated. Extruded aluminium heat sink. Can be swivelled by ± 25°. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system. Incl. separate LED converter with connecting cable 250 mm. Opal PMMA plastic cover included as accessory.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cutout DA 78 mm, HE 90 mm								
901605.002.2	D 91, H 2, HE 90	LED	827	620 lm	8 W	24°	on/off	A+
901605.003.2	D 91, H 2, HE 90	LED	827	560 lm	8 W	24°	on/off	A+
901606.002.2	D 91, H 2, HE 90	LED	827	600 lm	8 W	42°	on/off	A+
901606.003.2	D 91, H 2, HE 90	LED	827	540 lm	8 W	42°	on/off	A+
901605.002	D 91, H 2, HE 90	LED	830	620 lm	8 W	24°	on/off	A+
901605.003	D 91, H 2, HE 90	LED	830	560 lm	8 W	24°	on/off	A+
901606.002	D 91, H 2, HE 90	LED	830	600 lm	8 W	42°	on/off	A+
901606.003	D 91, H 2, HE 90	LED	830	540 lm	8 W	42°	on/off	A+
901605.002.1	D 91, H 2, HE 90	LED	840	630 lm	8 W	24°	on/off	A+
901605.003.1	D 91, H 2, HE 90	LED	840	570 lm	8 W	24°	on/off	A+
901606.002.1	D 91, H 2, HE 90	LED	840	610 lm	8 W	42°	on/off	A+
901606.003.1	D 91, H 2, HE 90	LED	840	550 lm	8 W	42°	on/off	A+
901607.002.2	D 91, H 2, HE 90	LED	827	940 lm	13 W	24°	on/off	A+
901607.002.2.76 *	D 91, H 2, HE 90	LED	827	940 lm	13 W	24°	DALI	A+
901609.002.2	D 91, H 2, HE 90	LED	827	1050 lm	16 W	24°	Phase-cut	A+
901607.003.2	D 91, H 2, HE 90	LED	827	840 lm	13 W	24°	on/off	A+
901607.003.2.76 *	D 91, H 2, HE 90	LED	827	840 lm	13 W	24°	DALI	A+
901609.003.2	D 91, H 2, HE 90	LED	827	930 lm	16 W	24°	Phase-cut	A+
901608.002.2	D 91, H 2, HE 90	LED	827	920 lm	13 W	42°	on/off	A+
901608.002.2.76 *	D 91, H 2, HE 90	LED	827	920 lm	13 W	42°	DALI	A+
901610.002.2	D 91, H 2, HE 90	LED	827	1050 lm	16 W	42°	Phase-cut	A+
901608.003.2	D 91, H 2, HE 90	LED	827	820 lm	13 W	42°	on/off	A+
901608.003.2.76 *	D 91, H 2, HE 90	LED	827	820 lm	13 W	42°	DALI	A+
901610.003.2	D 91, H 2, HE 90	LED	827	910 lm	16 W	42°	Phase-cut	A+
901607.002	D 91, H 2, HE 90	LED	830	940 lm	13 W	24°	on/off	A+
901607.002.76 *	D 91, H 2, HE 90	LED	830	940 lm	13 W	24°	DALI	A+
901609.002	D 91, H 2, HE 90	LED	830	1050 lm	16 W	24°	Phase-cut	A+
901607.003	D 91, H 2, HE 90	LED	830	840 lm	13 W	24°	on/off	A+
901607.003.76 *	D 91, H 2, HE 90	LED	830	840 lm	13 W	24°	DALI	A+
901609.003	D 91, H 2, HE 90	LED	830	930 lm	16 W	24°	Phase-cut	A+
901608.002	D 91, H 2, HE 90	LED	830	920 lm	13 W	42°	on/off	A+
901608.002.76 *	D 91, H 2, HE 90	LED	830	920 lm	13 W	42°	DALI	A+
901610.002	D 91, H 2, HE 90	LED	830	1050 lm	16 W	42°	Phase-cut	A+
901608.003	D 91, H 2, HE 90	LED	830	820 lm	13 W	42°	on/off	A+
901608.003.76 *	D 91, H 2, HE 90	LED	830	820 lm	13 W	42°	DALI	A+
901610.003	D 91, H 2, HE 90	LED	830	910 lm	16 W	42°	Phase-cut	A+
901607.002.1	D 91, H 2, HE 90	LED	840	980 lm	13 W	24°	on/off	A+
901607.002.1.76 *	D 91, H 2, HE 90	LED	840	980 lm	13 W	24°	DALI	A+
901609.002.1	D 91, H 2, HE 90	LED	840	1100 lm	16 W	24°	Phase-cut	A+
901607.003.1	D 91, H 2, HE 90	LED	840	880 lm	13 W	24°	on/off	A+
901607.003.1.76 *	D 91, H 2, HE 90	LED	840	880 lm	13 W	24°	DALI	A+
901609.003.1	D 91, H 2, HE 90	LED	840	970 lm	16 W	24°	Phase-cut	A+
901608.002.1	D 91, H 2, HE 90	LED	840	960 lm	13 W	42°	on/off	A+
901608.002.1.76 *	D 91, H 2, HE 90	LED	840	960 lm	13 W	42°	DALI	A+
901610.002.1	D 91, H 2, HE 90	LED	840	1100 lm	16 W	42°	Phase-cut	A+
901608.003.1	D 91, H 2, HE 90	LED	840	860 lm	13 W	42°	on/off	A+
901608.003.1.76 *	D 91, H 2, HE 90	LED	840	860 lm	13 W	42°	DALI	A+
901610.003.1	D 91, H 2, HE 90	LED	840	950 lm	16 W	42°	Phase-cut	A+

* DALI converter is compatible with DC for central battery system

Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 35 W QR-CB (39 W CB)

LED 13 / 16 W ≈
1 x 50 W QR51 (55 W CB)





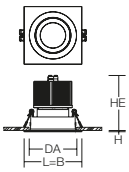
Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 35 W QR-CB (39 W CB)

LED 13 / 16 W ≈
1 x 50 W QR51 (55 W CB)



Recessed projectors | Levido Swing Square



Type of Protection: **IP 40**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Die-cast aluminium cover, powder-coated. Extruded aluminium heat sink. Can be swivelled by ± 25°. Reflector: aluminium, highly polished anodised finish. With safety glass. Ceiling installation with spring system. Incl. separate LED converter with connecting cable 250 mm. Opal PMMA plastic cover included as accessory.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cutout DA 82 mm, HE 90 mm								
901611.002.2	L 98, B 98, H 2, HE 90	LED	827	620 lm	8 W	24°	on/off	A+
901611.003.2	L 98, B 98, H 2, HE 90	LED	827	560 lm	8 W	24°	on/off	A+
901612.002.2	L 98, B 98, H 2, HE 90	LED	827	600 lm	8 W	42°	on/off	A+
901612.003.2	L 98, B 98, H 2, HE 90	LED	827	540 lm	8 W	42°	on/off	A+
901611.002	L 98, B 98, H 2, HE 90	LED	830	620 lm	8 W	24°	on/off	A+
901611.003	L 98, B 98, H 2, HE 90	LED	830	560 lm	8 W	24°	on/off	A+
901612.002	L 98, B 98, H 2, HE 90	LED	830	600 lm	8 W	42°	on/off	A+
901612.003	L 98, B 98, H 2, HE 90	LED	830	540 lm	8 W	42°	on/off	A+
901611.002.1	L 98, B 98, H 2, HE 90	LED	840	630 lm	8 W	24°	on/off	A+
901611.003.1	L 98, B 98, H 2, HE 90	LED	840	570 lm	8 W	24°	on/off	A+
901612.002.1	L 98, B 98, H 2, HE 90	LED	840	610 lm	8 W	42°	on/off	A+
901612.003.1	L 98, B 98, H 2, HE 90	LED	840	550 lm	8 W	42°	on/off	A+
901613.002.2	L 98, B 98, H 2, HE 90	LED	827	940 lm	13 W	24°	on/off	A+
901613.002.2.76 *	L 98, B 98, H 2, HE 90	LED	827	940 lm	13 W	24°	DALI	A+
901615.002.2	L 98, B 98, H 2, HE 90	LED	827	1050 lm	16 W	24°	Phase-cut	A+
901613.003.2	L 98, B 98, H 2, HE 90	LED	827	840 lm	13 W	24°	on/off	A+
901613.003.2.76 *	L 98, B 98, H 2, HE 90	LED	827	840 lm	13 W	24°	DALI	A+
901615.003.2	L 98, B 98, H 2, HE 90	LED	827	930 lm	16 W	24°	Phase-cut	A+
901614.002.2	L 98, B 98, H 2, HE 90	LED	827	920 lm	13 W	42°	on/off	A+
901614.002.2.76 *	L 98, B 98, H 2, HE 90	LED	827	920 lm	13 W	42°	DALI	A+
901616.002.2	L 98, B 98, H 2, HE 90	LED	827	1050 lm	16 W	42°	Phase-cut	A+
901614.003.2	L 98, B 98, H 2, HE 90	LED	827	820 lm	13 W	42°	on/off	A+
901614.003.2.76 *	L 98, B 98, H 2, HE 90	LED	827	820 lm	13 W	42°	DALI	A+
901616.003.2	L 98, B 98, H 2, HE 90	LED	827	910 lm	16 W	42°	Phase-cut	A+
901613.002	L 98, B 98, H 2, HE 90	LED	830	940 lm	13 W	24°	on/off	A+
901613.002.76 *	L 98, B 98, H 2, HE 90	LED	830	940 lm	13 W	24°	DALI	A+
901615.002	L 98, B 98, H 2, HE 90	LED	830	1050 lm	16 W	24°	Phase-cut	A+
901613.003	L 98, B 98, H 2, HE 90	LED	830	840 lm	13 W	24°	on/off	A+
901613.003.76 *	L 98, B 98, H 2, HE 90	LED	830	840 lm	13 W	24°	DALI	A+
901615.003	L 98, B 98, H 2, HE 90	LED	830	930 lm	16 W	24°	Phase-cut	A+
901614.002	L 98, B 98, H 2, HE 90	LED	830	920 lm	13 W	42°	on/off	A+
901614.002.76 *	L 98, B 98, H 2, HE 90	LED	830	920 lm	13 W	42°	DALI	A+
901616.002	L 98, B 98, H 2, HE 90	LED	830	1050 lm	16 W	42°	Phase-cut	A+
901614.003	L 98, B 98, H 2, HE 90	LED	830	820 lm	13 W	42°	on/off	A+
901614.003.76 *	L 98, B 98, H 2, HE 90	LED	830	820 lm	13 W	42°	DALI	A+
901616.003	L 98, B 98, H 2, HE 90	LED	830	910 lm	16 W	42°	Phase-cut	A+
901613.002.1	L 98, B 98, H 2, HE 90	LED	840	980 lm	13 W	24°	on/off	A+
901613.002.1.76 *	L 98, B 98, H 2, HE 90	LED	840	980 lm	13 W	24°	DALI	A+
901615.002.1	L 98, B 98, H 2, HE 90	LED	840	1100 lm	16 W	24°	Phase-cut	A+
901613.003.1	L 98, B 98, H 2, HE 90	LED	840	880 lm	13 W	24°	on/off	A+
901613.003.1.76 *	L 98, B 98, H 2, HE 90	LED	840	880 lm	13 W	24°	DALI	A+
901615.003.1	L 98, B 98, H 2, HE 90	LED	840	970 lm	16 W	24°	Phase-cut	A+
901614.002.1	L 98, B 98, H 2, HE 90	LED	840	960 lm	13 W	42°	on/off	A+
901614.002.1.76 *	L 98, B 98, H 2, HE 90	LED	840	960 lm	13 W	42°	DALI	A+
901616.002.1	L 98, B 98, H 2, HE 90	LED	840	1100 lm	16 W	42°	Phase-cut	A+
901614.003.1	L 98, B 98, H 2, HE 90	LED	840	860 lm	13 W	42°	on/off	A+
901614.003.1.76 *	L 98, B 98, H 2, HE 90	LED	840	860 lm	13 W	42°	DALI	A+
901616.003.1	L 98, B 98, H 2, HE 90	LED	840	950 lm	16 W	42°	Phase-cut	A+

* DALI converter is compatible with DC for central battery system

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Levido Swing
Ledona

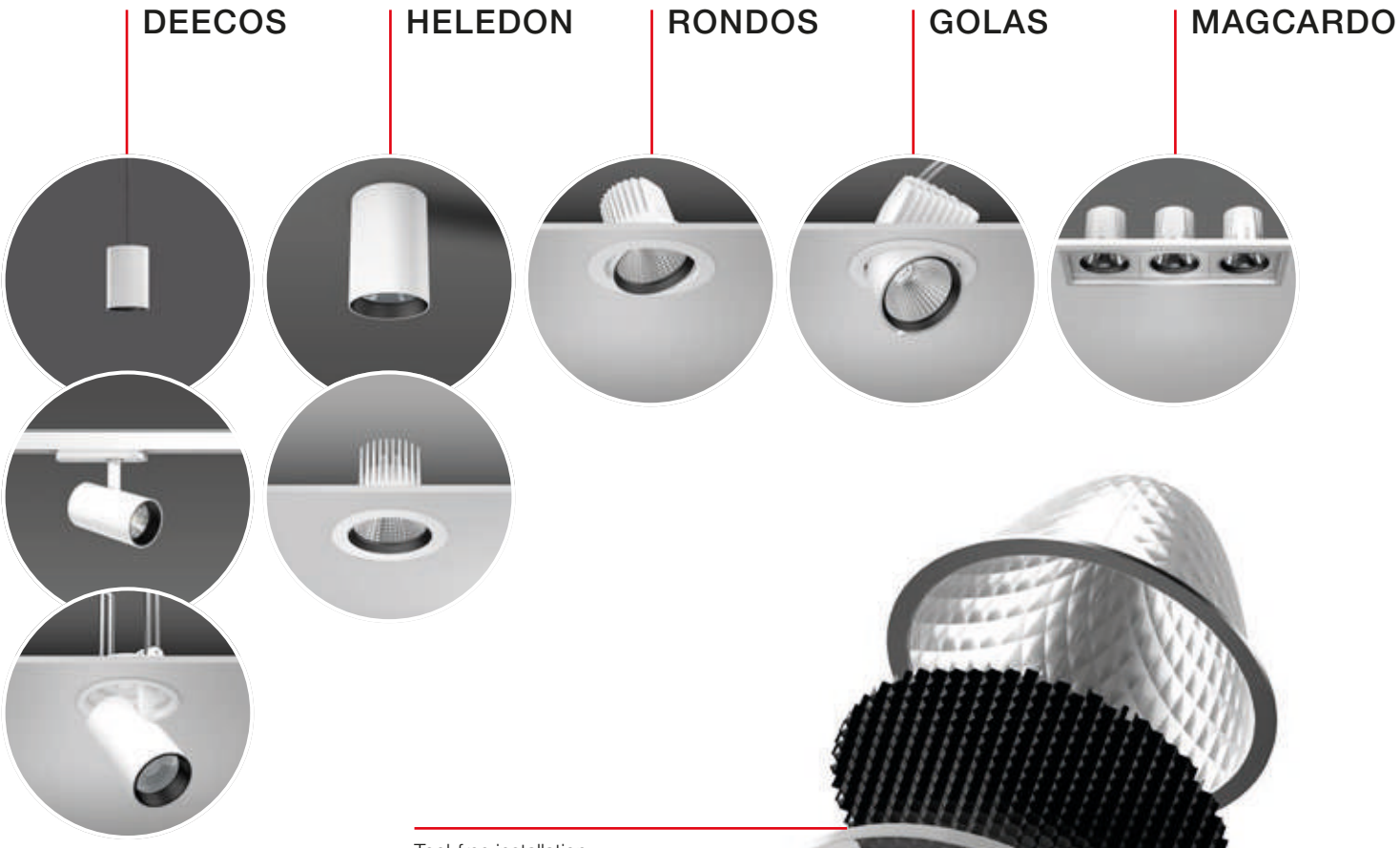
Exchangeable-Optical-System

Everything at a glance

Depending on the requirements, the Exchangeable-Optical-System allows you to choose between the reflector/lens or change/replace it without tools later on.

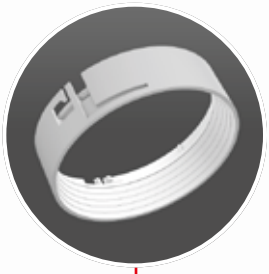
MIRO-SILVER® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone.

- 18 different housings
- 5 different types of luminaires (pendant spotlight, recessed downlight, surface-mounted downlight, recessed spotlight, surface-mounted spotlights)
- 2 sizes (mini and maxi)
- 2 optical systems (reflector and lens)
- 10 different light colors (830, 832, 840, 927, 930, 935, 940, Meat Fresh, Meat Plus, Champagne)
- 4 different beam angles with reflector
- 5 different beam angles with lens
- Additional Superspot versions
- Replaceable without tools









Thermo-resistant
plastic ring black
for lateral glare control
or optional white

Additional superspot version
with lens or reflector



Optical system reflector MIRO-SILVER®
for excellent efficiency



Optic system lens polycarbonate
for best homogeneity of the light cone





DEECOS® R

Recessed projectors

- High quality die-cast aluminum housing
- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Modern design: cylindrical shape with no visible cooling ribs
- Can be extended and retracted so that it is flush with the ceiling, turns by 356° and swivels by 90° for maximum flexibility in adjustment
- Inner cover prevents view into the false ceiling
- Suitable for reflector as well as lens technologies



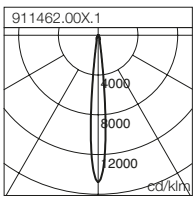


Further luminaires of this series, see:
Indoor lighting | Surface mounted projectors
Indoor lighting | Pendant luminaires

- **MIRO-SILVER**® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone, each with three different beam angles narrow, medium, wide
- Additional Superspot versions
- Black plastic ring with recessed LED for avoiding glare from the side
- Further light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- Separate converter box with connecting cable
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring

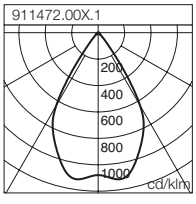
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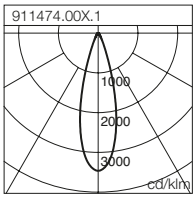
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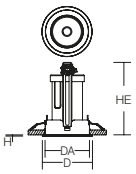
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5,0	2,77	257



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | Deecos R Mini



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Can be swivelled flush with the ceiling. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cutout DA 133 mm, HE 210 mm								
Including lens for best uniformity of the light cone								
911467.00X	D 143, H 3	LED	830	1950 lm	19 W	18°	on/off	A++
911467.00X.76	D 143, H 3	LED	830	1950 lm	19 W	18°	DALI	A++
911468.00X	D 143, H 3	LED	830	1850 lm	19 W	29°	on/off	A++
911468.00X.76	D 143, H 3	LED	830	1850 lm	19 W	29°	DALI	A++
911469.00X	D 143, H 3	LED	830	1700 lm	19 W	44°	on/off	A++
911469.00X.76	D 143, H 3	LED	830	1700 lm	19 W	44°	DALI	A++
911467.00X.1	D 143, H 3	LED	840	2050 lm	19 W	18°	on/off	A++
911467.00X.1.76	D 143, H 3	LED	840	2050 lm	19 W	18°	DALI	A++
911468.00X.1	D 143, H 3	LED	840	1950 lm	19 W	29°	on/off	A++
911468.00X.1.76	D 143, H 3	LED	840	1950 lm	19 W	29°	DALI	A++
911469.00X.1	D 143, H 3	LED	840	1800 lm	19 W	44°	on/off	A++
911469.00X.1.76	D 143, H 3	LED	840	1800 lm	19 W	44°	DALI	A++
911473.00X	D 143, H 3	LED	830	2800 lm	29 W	18°	on/off	A++
911473.00X.76	D 143, H 3	LED	830	2800 lm	29 W	18°	DALI	A++
911474.00X	D 143, H 3	LED	830	2650 lm	29 W	29°	on/off	A++
911474.00X.76	D 143, H 3	LED	830	2650 lm	29 W	29°	DALI	A++
911475.00X	D 143, H 3	LED	830	2450 lm	29 W	44°	on/off	A++
911475.00X.76	D 143, H 3	LED	830	2450 lm	29 W	44°	DALI	A++
911473.00X.1	D 143, H 3	LED	840	2950 lm	29 W	18°	on/off	A++
911473.00X.1.76	D 143, H 3	LED	840	2950 lm	29 W	18°	DALI	A++
911474.00X.1	D 143, H 3	LED	840	2800 lm	29 W	29°	on/off	A++
911474.00X.1.76	D 143, H 3	LED	840	2800 lm	29 W	29°	DALI	A++
911475.00X.1	D 143, H 3	LED	840	2550 lm	29 W	44°	on/off	A++
911475.00X.1.76	D 143, H 3	LED	840	2550 lm	29 W	44°	DALI	A++
Including reflector for maximum efficiency								
911463.00X	D 143, H 3	LED	830	2300 lm	19 W	17°	on/off	A++
911463.00X.76	D 143, H 3	LED	830	2300 lm	19 W	17°	DALI	A++
911464.00X	D 143, H 3	LED	830	2150 lm	19 W	32°	on/off	A++
911464.00X.76	D 143, H 3	LED	830	2150 lm	19 W	32°	DALI	A++
911465.00X	D 143, H 3	LED	830	2350 lm	19 W	62°	on/off	A++
911465.00X.76	D 143, H 3	LED	830	2350 lm	19 W	62°	DALI	A++
911463.00X.1	D 143, H 3	LED	840	2450 lm	19 W	17°	on/off	A++
911463.00X.1.76	D 143, H 3	LED	840	2450 lm	19 W	17°	DALI	A++
911464.00X.1	D 143, H 3	LED	840	2250 lm	19 W	32°	on/off	A++
911464.00X.1.76	D 143, H 3	LED	840	2250 lm	19 W	32°	DALI	A++
911465.00X.1	D 143, H 3	LED	840	2450 lm	19 W	62°	on/off	A++
911465.00X.1.76	D 143, H 3	LED	840	2450 lm	19 W	62°	DALI	A++
911470.00X	D 143, H 3	LED	830	3350 lm	29 W	17°	on/off	A++
911470.00X.76	D 143, H 3	LED	830	3350 lm	29 W	17°	DALI	A++
911471.00X	D 143, H 3	LED	830	3050 lm	29 W	32°	on/off	A++
911471.00X.76	D 143, H 3	LED	830	3050 lm	29 W	32°	DALI	A++
911472.00X	D 143, H 3	LED	830	3350 lm	29 W	62°	on/off	A++
911472.00X.76	D 143, H 3	LED	830	3350 lm	29 W	62°	DALI	A++
911470.00X.1	D 143, H 3	LED	840	3500 lm	29 W	17°	on/off	A++
911470.00X.1.76	D 143, H 3	LED	840	3500 lm	29 W	17°	DALI	A++
911471.00X.1	D 143, H 3	LED	840	3200 lm	29 W	32°	on/off	A++
911471.00X.1.76	D 143, H 3	LED	840	3200 lm	29 W	32°	DALI	A++
911472.00X.1	D 143, H 3	LED	840	3500 lm	29 W	62°	on/off	A++
911472.00X.1.76	D 143, H 3	LED	840	3500 lm	29 W	62°	DALI	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
911466.00X	D 143, H 3	LED	830	1850 lm	20 W	14°	on/off	A++
911466.00X.76	D 143, H 3	LED	830	1850 lm	20 W	14°	DALI	A++
911466.00X.1	D 143, H 3	LED	840	1900 lm	20 W	14°	on/off	A++
911466.00X.1.76	D 143, H 3	LED	840	1900 lm	20 W	14°	DALI	A++
Including reflector for maximum efficiency								
911462.00X	D 143, H 3	LED	830	2100 lm	20 W	11°	on/off	A++
911462.00X.76	D 143, H 3	LED	830	2100 lm	20 W	11°	DALI	A++
911462.00X.1	D 143, H 3	LED	840	2200 lm	20 W	11°	on/off	A++
911462.00X.1.76	D 143, H 3	LED	840	2200 lm	20 W	11°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Comparison
LED vs. conventional lamps

LED 19 / 20 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)







The application image shows:
Deecos R

© RZB

Accessories | Deecos R Mini



Diffuser			Price Category 21
982370.000	D 75, H 3	Safety glass clear	
982370.010	D 75, H 3	Safety glass, satin finish	



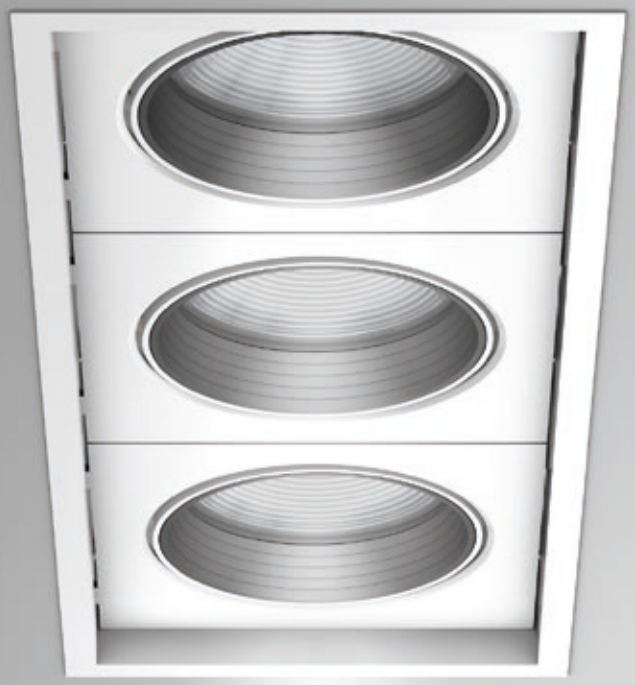
Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Honeycomb louvre Mini	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector	
982421.002	D 82, H 31	White plastic ring for lens	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector, narrow beam 17°	
982368.013	D 82, H 55	Reflector, medium beam 32°	
982368.023	D 82, H 55	Reflector, wide beam 47°	
982368.033	D 82, H 55	Reflector, wide beam 62°	
982369.003	D 82, H 55	Lens, narrow beam 18°	
982369.013	D 82, H 55	Lens, medium beam 29°	
982369.023	D 82, H 55	Lens, wide beam 44°	
982369.033	D 82, H 55	Lens, very wide beam 70°	
982369.043	D 82, H 55	Lens with oval light distribution for corridor 28°/40°	



DALI PLUG&PLAY

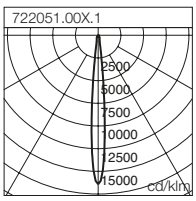
MAGCARDO®

Recessed projectors

- Magnetic click locking mechanism for quick and convenient installation without tools: insert the recessed frame (1, 2 or 3-lamp) with clamp fastener (no tools required), push the luminaire head with the base plate into the recessed frame and fix magnetically
- Flexible adjustment, can be turned by 356° and swivelled by ± 35°
- Inner cover prevents view into the false ceiling
- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Suitable for reflector as well as lens technologies
- **MIRO-SILVER**® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone, each with three different beam angles narrow, medium, wide
- Black plastic ring with recessed LED for avoiding glare from the side
- Further light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 as well as special food LEDs: champagne with Ra 97, meat and meat fresh available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- Separate converter box with connecting cable
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring

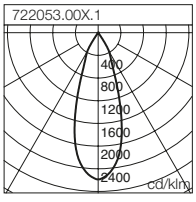
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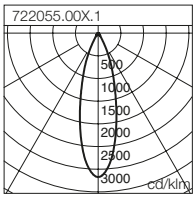
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3,0	1,89	898
4,0	2,52	505
5,0	3,15	323



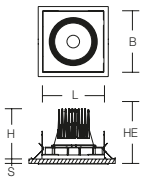
722055.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,57	7554
2,0	1,14	1888
3,0	1,71	839
4,0	2,28	472
5,0	2,85	302



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | Magcardo Maxi



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 6-30 mm
Impact Protection: IK03

Luminaire top: die-cast aluminium, powder-coated. Recessed mounting frame: sheet steel, powder-coated. Rotation range 356° and swivel range ± 35°. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Modular design: recessed frame must be ordered separately!

Available colours (X): 2 = white, 3 = black, 4 = silver coloured



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Luminaire head, HE 155 mm								**Price Category 21**
Including lens for best uniformity of the light cone								
722048.00X	L 172, B 167, H 137	LED	830	2350 lm	24 W	12°	on/off	A++
722048.00X.76	L 172, B 167, H 137	LED	830	2350 lm	24 W	12°	DALI	A++
722049.00X	L 172, B 167, H 137	LED	830	2350 lm	24 W	29°	on/off	A++
722049.00X.76	L 172, B 167, H 137	LED	830	2350 lm	24 W	29°	DALI	A++
722050.00X	L 172, B 167, H 137	LED	830	2350 lm	24 W	41°	on/off	A++
722050.00X.76	L 172, B 167, H 137	LED	830	2350 lm	24 W	41°	DALI	A++
722048.00X.1	L 172, B 167, H 137	LED	840	2500 lm	24 W	12°	on/off	A++
722048.00X.1.76	L 172, B 167, H 137	LED	840	2500 lm	24 W	12°	DALI	A++
722049.00X.1	L 172, B 167, H 137	LED	840	2450 lm	24 W	29°	on/off	A++
722049.00X.1.76	L 172, B 167, H 137	LED	840	2450 lm	24 W	29°	DALI	A++
722050.00X.1	L 172, B 167, H 137	LED	840	2500 lm	24 W	41°	on/off	A++
722050.00X.1.76	L 172, B 167, H 137	LED	840	2500 lm	24 W	41°	DALI	A++
722054.00X	L 172, B 167, H 137	LED	830	3300 lm	37 W	12°	on/off	A++
722054.00X.76	L 172, B 167, H 137	LED	830	3300 lm	37 W	12°	DALI	A++
722055.00X	L 172, B 167, H 137	LED	830	3250 lm	37 W	29°	on/off	A++
722055.00X.76	L 172, B 167, H 137	LED	830	3250 lm	37 W	29°	DALI	A++
722056.00X	L 172, B 167, H 137	LED	830	3300 lm	37 W	41°	on/off	A++
722056.00X.76	L 172, B 167, H 137	LED	830	3300 lm	37 W	41°	DALI	A++
722054.00X.1	L 172, B 167, H 137	LED	840	3500 lm	37 W	12°	on/off	A++
722054.00X.1.76	L 172, B 167, H 137	LED	840	3500 lm	37 W	12°	DALI	A++
722055.00X.1	L 172, B 167, H 137	LED	840	3500 lm	37 W	29°	on/off	A++
722055.00X.1.76	L 172, B 167, H 137	LED	840	3500 lm	37 W	29°	DALI	A++
722056.00X.1	L 172, B 167, H 137	LED	840	3500 lm	37 W	41°	on/off	A++
722056.00X.1.76	L 172, B 167, H 137	LED	840	3500 lm	37 W	41°	DALI	A++
Including reflector for maximum efficiency								
722045.00X	L 172, B 167, H 137	LED	830	2850 lm	24 W	10°	on/off	A++
722045.00X.76	L 172, B 167, H 137	LED	830	2850 lm	24 W	10°	DALI	A++
722046.00X	L 172, B 167, H 137	LED	830	3000 lm	24 W	20°	on/off	A++
722046.00X.76	L 172, B 167, H 137	LED	830	3000 lm	24 W	20°	DALI	A++
722047.00X	L 172, B 167, H 137	LED	830	2900 lm	24 W	34°	on/off	A++
722047.00X.76	L 172, B 167, H 137	LED	830	2900 lm	24 W	34°	DALI	A++
722045.00X.1	L 172, B 167, H 137	LED	840	3000 lm	24 W	10°	on/off	A++
722045.00X.1.76	L 172, B 167, H 137	LED	840	3000 lm	24 W	10°	DALI	A++
722046.00X.1	L 172, B 167, H 137	LED	840	3150 lm	24 W	20°	on/off	A++
722046.00X.1.76	L 172, B 167, H 137	LED	840	3150 lm	24 W	20°	DALI	A++
722047.00X.1	L 172, B 167, H 137	LED	840	3050 lm	24 W	34°	on/off	A++
722047.00X.1.76	L 172, B 167, H 137	LED	840	3050 lm	24 W	34°	DALI	A++
722051.00X	L 172, B 167, H 137	LED	830	4000 lm	37 W	10°	on/off	A++
722051.00X.76	L 172, B 167, H 137	LED	830	4000 lm	37 W	10°	DALI	A++
722052.00X	L 172, B 167, H 137	LED	830	4200 lm	37 W	20°	on/off	A++
722052.00X.76	L 172, B 167, H 137	LED	830	4200 lm	37 W	20°	DALI	A++
722053.00X	L 172, B 167, H 137	LED	830	4050 lm	37 W	34°	on/off	A++
722053.00X.76	L 172, B 167, H 137	LED	830	4050 lm	37 W	34°	DALI	A++
722051.00X.1	L 172, B 167, H 137	LED	840	4200 lm	37 W	10°	on/off	A++
722051.00X.1.76	L 172, B 167, H 137	LED	840	4200 lm	37 W	10°	DALI	A++
722052.00X.1	L 172, B 167, H 137	LED	840	4400 lm	37 W	20°	on/off	A++
722052.00X.1.76	L 172, B 167, H 137	LED	840	4400 lm	37 W	20°	DALI	A++
722053.00X.1	L 172, B 167, H 137	LED	840	4250 lm	37 W	34°	on/off	A++
722053.00X.1.76	L 172, B 167, H 137	LED	840	4250 lm	37 W	34°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Comparison
LED vs. conventional lamps

LED 24 W ≈
1 x 35 W HIT (45 W CB)

LED 37 W ≈
1 x 50 W HIT (60 W CB)





Recessed mounting frame			Price Category 21
one lamp			
982431.00X	L 194, B 194, H 2, HE 75	Ceiling cut out LA 180 x BA 180 mm	
two lamps			
982432.00X	L 362, B 194, H 2, HE 75	Ceiling cut out LA 348 x BA 180 mm	
three lamps			
982433.00X	L 530, B 194, H 2, HE 75	Ceiling cut out LA 516 x BA 180 mm	









The application image shows:
Magcardo

© Linus Lintner

Accessories | Magcardo Maxi



Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass clear	
982374.010	D 111, H 3	Safety glass, satin finish	



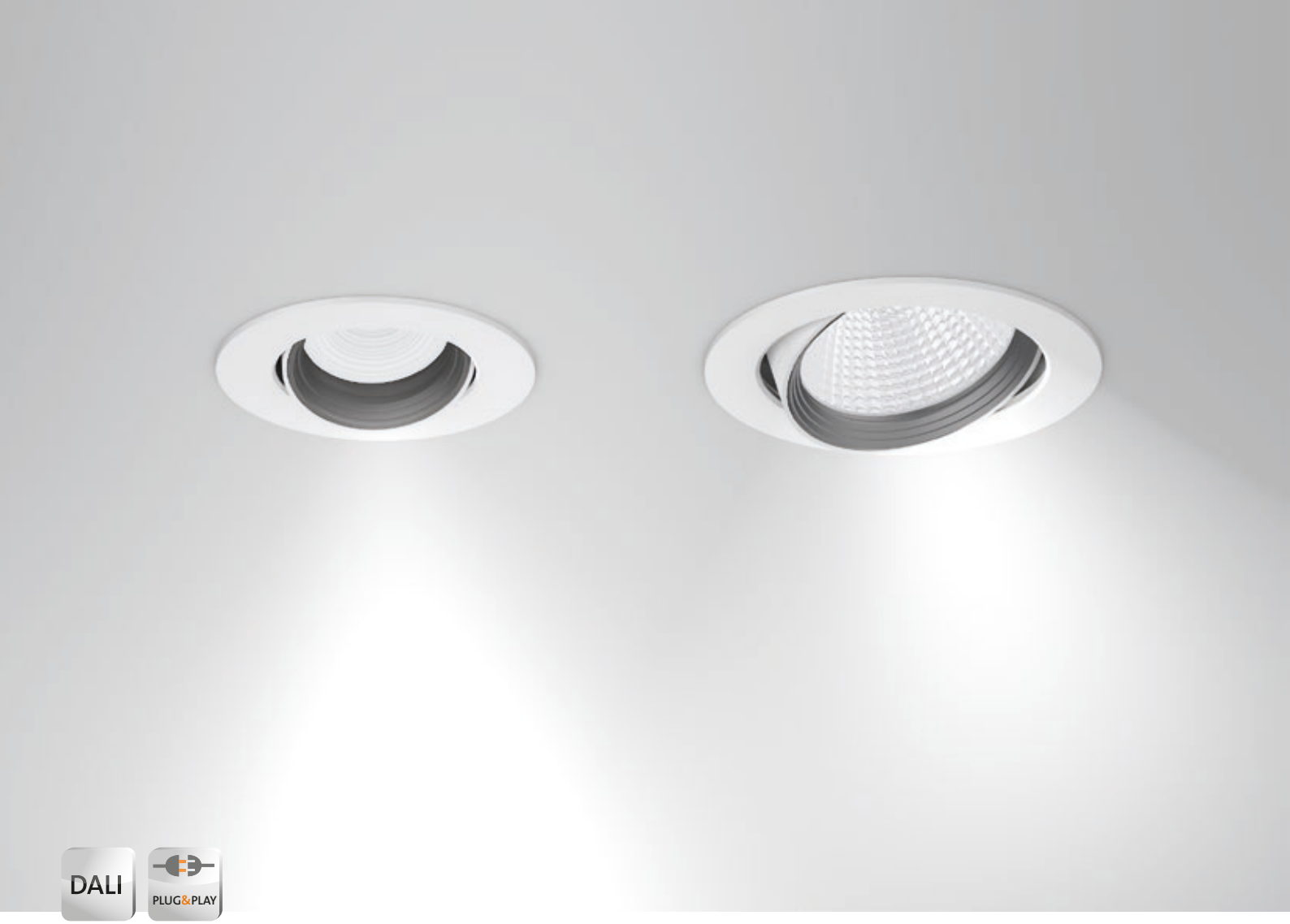
Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Maxi honeycomb louvre	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector	
982422.002	D 118, H 33	White plastic ring for lens	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector, narrow beam 10°	
982372.013	D 118, H 83	Reflector, medium beam 20°	
982372.023	D 118, H 83	Reflector, wide beam 34°	
982372.033	D 118, H 83	Reflector, very wide beam 63°	
982373.003	D 118, H 83	Lens, narrow beam 12°	
982373.013	D 118, H 83	Lens, medium beam 29°	
982373.023	D 118, H 83	Lens, wide beam 41°	



DALI PLUG&PLAY

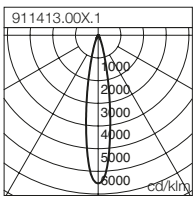
RONDOS

Recessed projectors

- High quality die-cast aluminium housing in two sizes
- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Flexible adjustment, can be turned by 356° and swivelled by ± 35°
- Suitable for reflector as well as lens technologies
- **MIRO-SILVER**® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone, each with three different beam angles narrow, medium, wide
- Black plastic ring with recessed LED for avoiding glare from the side
- Further light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 as well as with Maxi special food LEDs: champagne with Ra 97, meat and meat fresh available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- Separate converter box with connecting cable
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring

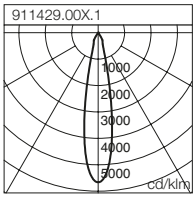
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2,0	0,75	1957
3,0	1,12	870
4,0	1,50	489
5,0	1,87	313



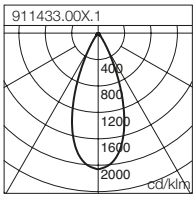
911429.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,37	17100
2,0	0,75	4275
3,0	1,12	1900
4,0	1,50	1069
5,0	1,87	684



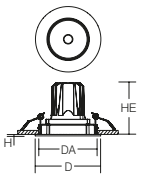
911433.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,75	5454
2,0	1,50	1364
3,0	2,26	606
4,0	3,01	341
5,0	3,76	218



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | Rondos Mini





Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cutout DA 133 mm, HE 115 mm								
Including lens for best uniformity of the light cone								
911413.00X	D 143, H 3	LED	830	1950 lm	19 W	18°	on/off	A++
911413.00X.76	D 143, H 3	LED	830	1950 lm	19 W	18°	DALI	A++
911414.00X	D 143, H 3	LED	830	1850 lm	19 W	29°	on/off	A++
911414.00X.76	D 143, H 3	LED	830	1850 lm	19 W	29°	DALI	A++
911415.00X	D 143, H 3	LED	830	1700 lm	19 W	44°	on/off	A++
911415.00X.76	D 143, H 3	LED	830	1700 lm	19 W	44°	DALI	A++
911413.00X.1	D 143, H 3	LED	840	2050 lm	19 W	18°	on/off	A++
911413.00X.1.76	D 143, H 3	LED	840	2050 lm	19 W	18°	DALI	A++
911414.00X.1	D 143, H 3	LED	840	1950 lm	19 W	29°	on/off	A++
911414.00X.1.76	D 143, H 3	LED	840	1950 lm	19 W	29°	DALI	A++
911415.00X.1	D 143, H 3	LED	840	1800 lm	19 W	44°	on/off	A++
911415.00X.1.76	D 143, H 3	LED	840	1800 lm	19 W	44°	DALI	A++
911419.00X	D 143, H 3	LED	830	2800 lm	29 W	18°	on/off	A++
911419.00X.76	D 143, H 3	LED	830	2800 lm	29 W	18°	DALI	A++
911420.00X	D 143, H 3	LED	830	2650 lm	29 W	29°	on/off	A++
911420.00X.76	D 143, H 3	LED	830	2650 lm	29 W	29°	DALI	A++
911421.00X	D 143, H 3	LED	830	2450 lm	29 W	44°	on/off	A++
911421.00X.76	D 143, H 3	LED	830	2450 lm	29 W	44°	DALI	A++
911419.00X.1	D 143, H 3	LED	840	2950 lm	29 W	18°	on/off	A++
911419.00X.1.76	D 143, H 3	LED	840	2950 lm	29 W	18°	DALI	A++
911420.00X.1	D 143, H 3	LED	840	2800 lm	29 W	29°	on/off	A++
911420.00X.1.76	D 143, H 3	LED	840	2800 lm	29 W	29°	DALI	A++
911421.00X.1	D 143, H 3	LED	840	2550 lm	29 W	44°	on/off	A++
911421.00X.1.76	D 143, H 3	LED	840	2550 lm	29 W	44°	DALI	A++
Including reflector for maximum efficiency								
911410.00X	D 143, H 3	LED	830	2300 lm	19 W	17°	on/off	A++
911410.00X.76	D 143, H 3	LED	830	2300 lm	19 W	17°	DALI	A++
911411.00X	D 143, H 3	LED	830	2150 lm	19 W	32°	on/off	A++
911411.00X.76	D 143, H 3	LED	830	2150 lm	19 W	32°	DALI	A++
911412.00X	D 143, H 3	LED	830	2350 lm	19 W	62°	on/off	A++
911412.00X.76	D 143, H 3	LED	830	2350 lm	19 W	62°	DALI	A++
911410.00X.1	D 143, H 3	LED	840	2450 lm	19 W	17°	on/off	A++
911410.00X.1.76	D 143, H 3	LED	840	2450 lm	19 W	17°	DALI	A++
911411.00X.1	D 143, H 3	LED	840	2250 lm	19 W	32°	on/off	A++
911411.00X.1.76	D 143, H 3	LED	840	2250 lm	19 W	32°	DALI	A++
911412.00X.1	D 143, H 3	LED	840	2450 lm	19 W	62°	on/off	A++
911412.00X.1.76	D 143, H 3	LED	840	2450 lm	19 W	62°	DALI	A++
911416.00X	D 143, H 3	LED	830	3350 lm	29 W	17°	on/off	A++
911416.00X.76	D 143, H 3	LED	830	3350 lm	29 W	17°	DALI	A++
911417.00X	D 143, H 3	LED	830	3050 lm	29 W	32°	on/off	A++
911417.00X.76	D 143, H 3	LED	830	3050 lm	29 W	32°	DALI	A++
911418.00X	D 143, H 3	LED	830	3350 lm	29 W	62°	on/off	A++
911418.00X.76	D 143, H 3	LED	830	3350 lm	29 W	62°	DALI	A++
911416.00X.1	D 143, H 3	LED	840	3500 lm	29 W	17°	on/off	A++
911416.00X.1.76	D 143, H 3	LED	840	3500 lm	29 W	17°	DALI	A++
911417.00X.1	D 143, H 3	LED	840	3200 lm	29 W	32°	on/off	A++
911417.00X.1.76	D 143, H 3	LED	840	3200 lm	29 W	32°	DALI	A++
911418.00X.1	D 143, H 3	LED	840	3500 lm	29 W	62°	on/off	A++
911418.00X.1.76	D 143, H 3	LED	840	3500 lm	29 W	62°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Comparison
LED vs. conventional lamps

LED 19 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)







Comparison
LED vs. conventional lamps

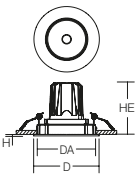
LED 24 W ≈
1 x 35 W HIT (45 W CB)

LED 37 W ≈
1 x 50 W HIT (60 W CB)





Recessed projectors | Rondos Maxi



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°; swivel range: ± 35°. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cutout DA 168 mm, HE 135 mm								
Including lens for best uniformity of the light cone								
911425.00X	D 178, H 3	LED	830	2350 lm	24 W	12°	on/off	A++
911425.00X.76	D 178, H 3	LED	830	2350 lm	24 W	12°	DALI	A++
911426.00X	D 178, H 3	LED	830	2350 lm	24 W	29°	on/off	A++
911426.00X.76	D 178, H 3	LED	830	2350 lm	24 W	29°	DALI	A++
911427.00X	D 178, H 3	LED	830	2350 lm	24 W	41°	on/off	A++
911427.00X.76	D 178, H 3	LED	830	2350 lm	24 W	41°	DALI	A++
911425.00X.1	D 178, H 3	LED	840	2500 lm	24 W	12°	on/off	A++
911425.00X.1.76	D 178, H 3	LED	840	2500 lm	24 W	12°	DALI	A++
911426.00X.1	D 178, H 3	LED	840	2450 lm	24 W	29°	on/off	A++
911426.00X.1.76	D 178, H 3	LED	840	2450 lm	24 W	29°	DALI	A++
911427.00X.1	D 178, H 3	LED	840	2500 lm	24 W	41°	on/off	A++
911427.00X.1.76	D 178, H 3	LED	840	2500 lm	24 W	41°	DALI	A++
911431.00X	D 178, H 3	LED	830	3300 lm	37 W	12°	on/off	A++
911431.00X.76	D 178, H 3	LED	830	3300 lm	37 W	12°	DALI	A++
911432.00X	D 178, H 3	LED	830	3250 lm	37 W	29°	on/off	A++
911432.00X.76	D 178, H 3	LED	830	3250 lm	37 W	29°	DALI	A++
911433.00X	D 178, H 3	LED	830	3300 lm	37 W	41°	on/off	A++
911433.00X.76	D 178, H 3	LED	830	3300 lm	37 W	41°	DALI	A++
911431.00X.1	D 178, H 3	LED	840	3500 lm	37 W	12°	on/off	A++
911431.00X.1.76	D 178, H 3	LED	840	3500 lm	37 W	12°	DALI	A++
911432.00X.1	D 178, H 3	LED	840	3500 lm	37 W	29°	on/off	A++
911432.00X.1.76	D 178, H 3	LED	840	3500 lm	37 W	29°	DALI	A++
911433.00X.1	D 178, H 3	LED	840	3500 lm	37 W	41°	on/off	A++
911433.00X.1.76	D 178, H 3	LED	840	3500 lm	37 W	41°	DALI	A++
Including reflector for maximum efficiency								
911422.00X	D 178, H 3	LED	830	2850 lm	24 W	10°	on/off	A++
911422.00X.76	D 178, H 3	LED	830	2850 lm	24 W	10°	DALI	A++
911423.00X	D 178, H 3	LED	830	3000 lm	24 W	20°	on/off	A++
911423.00X.76	D 178, H 3	LED	830	3000 lm	24 W	20°	DALI	A++
911424.00X	D 178, H 3	LED	830	2900 lm	24 W	34°	on/off	A++
911424.00X.76	D 178, H 3	LED	830	2900 lm	24 W	34°	DALI	A++
911422.00X.1	D 178, H 3	LED	840	3000 lm	24 W	10°	on/off	A++
911422.00X.1.76	D 178, H 3	LED	840	3000 lm	24 W	10°	DALI	A++
911423.00X.1	D 178, H 3	LED	840	3150 lm	24 W	20°	on/off	A++
911423.00X.1.76	D 178, H 3	LED	840	3150 lm	24 W	20°	DALI	A++
911424.00X.1	D 178, H 3	LED	840	3050 lm	24 W	34°	on/off	A++
911424.00X.1.76	D 178, H 3	LED	840	3050 lm	24 W	34°	DALI	A++
911428.00X	D 178, H 3	LED	830	4000 lm	37 W	10°	on/off	A++
911428.00X.76	D 178, H 3	LED	830	4000 lm	37 W	10°	DALI	A++
911429.00X	D 178, H 3	LED	830	4200 lm	37 W	20°	on/off	A++
911429.00X.76	D 178, H 3	LED	830	4200 lm	37 W	20°	DALI	A++
911430.00X	D 178, H 3	LED	830	4050 lm	37 W	34°	on/off	A++
911430.00X.76	D 178, H 3	LED	830	4050 lm	37 W	34°	DALI	A++
911428.00X.1	D 178, H 3	LED	840	4200 lm	37 W	10°	on/off	A++
911428.00X.1.76	D 178, H 3	LED	840	4200 lm	37 W	10°	DALI	A++
911429.00X.1	D 178, H 3	LED	840	4400 lm	37 W	20°	on/off	A++
911429.00X.1.76	D 178, H 3	LED	840	4400 lm	37 W	20°	DALI	A++
911430.00X.1	D 178, H 3	LED	840	4250 lm	37 W	34°	on/off	A++
911430.00X.1.76	D 178, H 3	LED	840	4250 lm	37 W	34°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Accessories | Series: Rondos Mini



Diffuser			Price Category 21
982370.000	D 75, H 3	Safety glass clear	
982370.010	D 75, H 3	Safety glass, satin finish	



Anti-glare horizontal dots			Price Category 21
982371.003	D 74, H 3	Honeycomb louvre Mini	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector	
982421.002	D 82, H 31	White plastic ring for lens	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector, narrow beam 17°	
982368.013	D 82, H 55	Reflector, medium beam 32°	
982368.023	D 82, H 55	Reflector, wide beam 47°	
982368.033	D 82, H 55	Reflector, wide beam 62°	
982369.003	D 82, H 55	Lens, narrow beam 18°	
982369.013	D 82, H 55	Lens, medium beam 29°	
982369.023	D 82, H 55	Lens, wide beam 44°	
982369.033	D 82, H 55	Lens, very wide beam 70°	
982369.043	D 82, H 55	Lens with oval light distribution for corridor 28°/40°	

Accessories | Series: Rondos Maxi



Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass clear	
982374.010	D 111, H 3	Safety glass, satin finish	



Anti-glare horizontal dots			Price Category 21
982375.003	D 111, H 3	Maxi honeycomb louvre	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector	
982422.002	D 118, H 33	White plastic ring for lens	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector, narrow beam 10°	
982372.013	D 118, H 83	Reflector, medium beam 20°	
982372.023	D 118, H 83	Reflector, wide beam 34°	
982372.033	D 118, H 83	Reflector, very wide beam 63°	
982373.003	D 118, H 83	Lens, narrow beam 12°	
982373.013	D 118, H 83	Lens, medium beam 29°	
982373.023	D 118, H 83	Lens, wide beam 41°	



DALI PLUG&PLAY

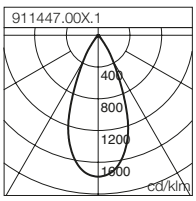
GOLAS

Recessed projectors

- High quality die-cast aluminium housing in two sizes
- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Swivels by 90° and turns by 356° - resulting in maximum flexibility in adjustment
- Suitable for reflector as well as lens technologies
- **MIRO-SILVER**® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone, each with three different beam angles narrow, medium, wide
- Additional Superspot versions
- Black plastic ring with recessed LED for avoiding glare from the side
- Further light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 as well as with Maxi special food LEDs: champagne with Ra 97, meat and meat fresh available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- Separate converter box with connecting cable
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring

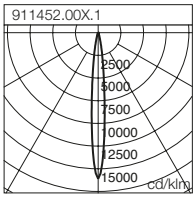
911447.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,84	3322
2,0	1,67	831
3,0	2,51	369
4,0	3,35	208
5,0	4,18	133



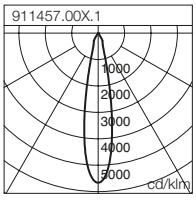
911452.00X.1

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2,0	0,33	6326
3,0	0,49	2812
4,0	0,66	1582
5,0	0,82	1012



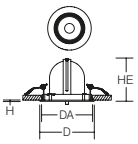
911457.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,37	17100
2,0	0,75	4275
3,0	1,12	1900
4,0	1,50	1069
5,0	1,87	684



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed projectors | Golas Mini



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03

Housing: pressure die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured



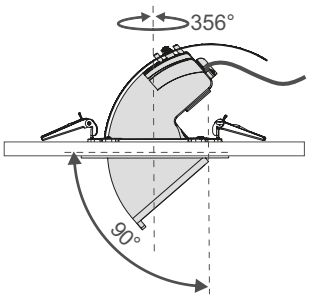
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cutout DA 133 mm, HE 115 mm								
Including lens for best uniformity of the light cone								
911439.00X	D 143, H 3	LED	830	1950 lm	19 W	18°	on/off	A++
911439.00X.76	D 143, H 3	LED	830	1950 lm	19 W	18°	DALI	A++
911440.00X	D 143, H 3	LED	830	1850 lm	19 W	29°	on/off	A++
911440.00X.76	D 143, H 3	LED	830	1850 lm	19 W	29°	DALI	A++
911441.00X	D 143, H 3	LED	830	1700 lm	19 W	44°	on/off	A++
911441.00X.76	D 143, H 3	LED	830	1700 lm	19 W	44°	DALI	A++
911439.00X.1	D 143, H 3	LED	840	2050 lm	19 W	18°	on/off	A++
911439.00X.1.76	D 143, H 3	LED	840	2050 lm	19 W	18°	DALI	A++
911440.00X.1	D 143, H 3	LED	840	1950 lm	19 W	29°	on/off	A++
911440.00X.1.76	D 143, H 3	LED	840	1950 lm	19 W	29°	DALI	A++
911441.00X.1	D 143, H 3	LED	840	1800 lm	19 W	44°	on/off	A++
911441.00X.1.76	D 143, H 3	LED	840	1800 lm	19 W	44°	DALI	A++
911445.00X	D 143, H 3	LED	830	2800 lm	29 W	18°	on/off	A++
911445.00X.76	D 143, H 3	LED	830	2800 lm	29 W	18°	DALI	A++
911446.00X	D 143, H 3	LED	830	2650 lm	29 W	29°	on/off	A++
911446.00X.76	D 143, H 3	LED	830	2650 lm	29 W	29°	DALI	A++
911447.00X	D 143, H 3	LED	830	2450 lm	29 W	44°	on/off	A++
911447.00X.76	D 143, H 3	LED	830	2450 lm	29 W	44°	DALI	A++
911445.00X.1	D 143, H 3	LED	840	2950 lm	29 W	18°	on/off	A++
911445.00X.1.76	D 143, H 3	LED	840	2950 lm	29 W	18°	DALI	A++
911446.00X.1	D 143, H 3	LED	840	2800 lm	29 W	29°	on/off	A++
911446.00X.1.76	D 143, H 3	LED	840	2800 lm	29 W	29°	DALI	A++
911447.00X.1	D 143, H 3	LED	840	2550 lm	29 W	44°	on/off	A++
911447.00X.1.76	D 143, H 3	LED	840	2550 lm	29 W	44°	DALI	A++
Including reflector for maximum efficiency								
911435.00X	D 143, H 3	LED	830	2300 lm	19 W	17°	on/off	A++
911435.00X.76	D 143, H 3	LED	830	2300 lm	19 W	17°	DALI	A++
911436.00X	D 143, H 3	LED	830	2150 lm	19 W	32°	on/off	A++
911436.00X.76	D 143, H 3	LED	830	2150 lm	19 W	32°	DALI	A++
911437.00X	D 143, H 3	LED	830	2350 lm	19 W	62°	on/off	A++
911437.00X.76	D 143, H 3	LED	830	2350 lm	19 W	62°	DALI	A++
911435.00X.1	D 143, H 3	LED	840	2450 lm	19 W	17°	on/off	A++
911435.00X.1.76	D 143, H 3	LED	840	2450 lm	19 W	17°	DALI	A++
911436.00X.1	D 143, H 3	LED	840	2250 lm	19 W	32°	on/off	A++
911436.00X.1.76	D 143, H 3	LED	840	2250 lm	19 W	32°	DALI	A++
911437.00X.1	D 143, H 3	LED	840	2450 lm	19 W	62°	on/off	A++
911437.00X.1.76	D 143, H 3	LED	840	2450 lm	19 W	62°	DALI	A++
911442.00X	D 143, H 3	LED	830	3350 lm	29 W	17°	on/off	A++
911442.00X.76	D 143, H 3	LED	830	3350 lm	29 W	17°	DALI	A++
911443.00X	D 143, H 3	LED	830	3050 lm	29 W	32°	on/off	A++
911443.00X.76	D 143, H 3	LED	830	3050 lm	29 W	32°	DALI	A++
911444.00X	D 143, H 3	LED	830	3350 lm	29 W	62°	on/off	A++
911444.00X.76	D 143, H 3	LED	830	3350 lm	29 W	62°	DALI	A++
911442.00X.1	D 143, H 3	LED	840	3500 lm	29 W	17°	on/off	A++
911442.00X.1.76	D 143, H 3	LED	840	3500 lm	29 W	17°	DALI	A++
911443.00X.1	D 143, H 3	LED	840	3200 lm	29 W	32°	on/off	A++
911443.00X.1.76	D 143, H 3	LED	840	3200 lm	29 W	32°	DALI	A++
911444.00X.1	D 143, H 3	LED	840	3500 lm	29 W	62°	on/off	A++
911444.00X.1.76	D 143, H 3	LED	840	3500 lm	29 W	62°	DALI	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
911438.00X	D 143, H 3	LED	830	1850 lm	20 W	14°	on/off	A++
911438.00X.76	D 143, H 3	LED	830	1850 lm	20 W	14°	DALI	A++
911438.00X.1	D 143, H 3	LED	840	1900 lm	20 W	14°	on/off	A++
911438.00X.1.76	D 143, H 3	LED	840	1900 lm	20 W	14°	DALI	A++
Including reflector for maximum efficiency								
911434.00X	D 143, H 3	LED	830	2100 lm	20 W	11°	on/off	A++
911434.00X.76	D 143, H 3	LED	830	2100 lm	20 W	11°	DALI	A++
911434.00X.1	D 143, H 3	LED	840	2200 lm	20 W	11°	on/off	A++
911434.00X.1.76	D 143, H 3	LED	840	2200 lm	20 W	11°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Comparison
LED vs. conventional lamps

LED 19 / 20 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)

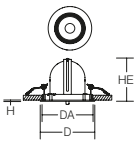








Recessed projectors | Golas Maxi



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03

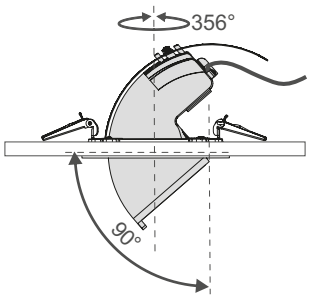
Housing: pressure die-cast aluminium, powder-coated. 356° rotation range and 90° swivel range. Heat resistant plastic ring black. Installation without tools thanks to spring fastening system. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. Incl. separate LED converter with connecting cable 250 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Comparison
LED vs. conventional lamps

LED 20 / 23 / 24 W ≈
1 x 35 W HIT (45 W CB)

LED 37 W ≈
1 x 50 W HIT (60 W CB)







Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Recessed projectors								**Price Category 21**
Ceiling cutout DA 168 mm, HE 150 mm								
Including lens for best uniformity of the light cone								
911453.00X	D 178, H 3	LED	830	2350 lm	24 W	12°	on/off	A++
911453.00X.76	D 178, H 3	LED	830	2350 lm	24 W	12°	DALI	A++
911454.00X	D 178, H 3	LED	830	2350 lm	24 W	29°	on/off	A++
911454.00X.76	D 178, H 3	LED	830	2350 lm	24 W	29°	DALI	A++
911455.00X	D 178, H 3	LED	830	2350 lm	24 W	41°	on/off	A++
911455.00X.76	D 178, H 3	LED	830	2350 lm	24 W	41°	DALI	A++
911453.00X.1	D 178, H 3	LED	840	2500 lm	24 W	12°	on/off	A++
911453.00X.1.76	D 178, H 3	LED	840	2500 lm	24 W	12°	DALI	A++
911454.00X.1	D 178, H 3	LED	840	2450 lm	24 W	29°	on/off	A++
911454.00X.1.76	D 178, H 3	LED	840	2450 lm	24 W	29°	DALI	A++
911455.00X.1	D 178, H 3	LED	840	2500 lm	24 W	41°	on/off	A++
911455.00X.1.76	D 178, H 3	LED	840	2500 lm	24 W	41°	DALI	A++
911459.00X	D 178, H 3	LED	830	3300 lm	37 W	12°	on/off	A++
911459.00X.76	D 178, H 3	LED	830	3300 lm	37 W	12°	DALI	A++
911460.00X	D 178, H 3	LED	830	3250 lm	37 W	29°	on/off	A++
911460.00X.76	D 178, H 3	LED	830	3250 lm	37 W	29°	DALI	A++
911461.00X	D 178, H 3	LED	830	3300 lm	37 W	41°	on/off	A++
911461.00X.76	D 178, H 3	LED	830	3300 lm	37 W	41°	DALI	A++
911459.00X.1	D 178, H 3	LED	840	3500 lm	37 W	12°	on/off	A++
911459.00X.1.76	D 178, H 3	LED	840	3500 lm	37 W	12°	DALI	A++
911460.00X.1	D 178, H 3	LED	840	3500 lm	37 W	29°	on/off	A++
911460.00X.1.76	D 178, H 3	LED	840	3500 lm	37 W	29°	DALI	A++
911461.00X.1	D 178, H 3	LED	840	3500 lm	37 W	41°	on/off	A++
911461.00X.1.76	D 178, H 3	LED	840	3500 lm	37 W	41°	DALI	A++
Including reflector for maximum efficiency								
911449.00X	D 178, H 3	LED	830	2850 lm	24 W	10°	on/off	A++
911449.00X.76	D 178, H 3	LED	830	2850 lm	24 W	10°	DALI	A++
911450.00X	D 178, H 3	LED	830	3000 lm	24 W	20°	on/off	A++
911450.00X.76	D 178, H 3	LED	830	3000 lm	24 W	20°	DALI	A++
911451.00X	D 178, H 3	LED	830	2900 lm	24 W	34°	on/off	A++
911451.00X.76	D 178, H 3	LED	830	2900 lm	24 W	34°	DALI	A++
911449.00X.1	D 178, H 3	LED	840	3000 lm	24 W	10°	on/off	A++
911449.00X.1.76	D 178, H 3	LED	840	3000 lm	24 W	10°	DALI	A++
911450.00X.1	D 178, H 3	LED	840	3150 lm	24 W	20°	on/off	A++
911450.00X.1.76	D 178, H 3	LED	840	3150 lm	24 W	20°	DALI	A++
911451.00X.1	D 178, H 3	LED	840	3050 lm	24 W	34°	on/off	A++
911451.00X.1.76	D 178, H 3	LED	840	3050 lm	24 W	34°	DALI	A++
911456.00X	D 178, H 3	LED	830	4000 lm	37 W	10°	on/off	A++
911456.00X.76	D 178, H 3	LED	830	4000 lm	37 W	10°	DALI	A++
911457.00X	D 178, H 3	LED	830	4200 lm	37 W	20°	on/off	A++
911457.00X.76	D 178, H 3	LED	830	4200 lm	37 W	20°	DALI	A++
911458.00X	D 178, H 3	LED	830	4050 lm	37 W	34°	on/off	A++
911458.00X.76	D 178, H 3	LED	830	4050 lm	37 W	34°	DALI	A++
911456.00X.1	D 178, H 3	LED	840	4200 lm	37 W	10°	on/off	A++
911456.00X.1.76	D 178, H 3	LED	840	4200 lm	37 W	10°	DALI	A++
911457.00X.1	D 178, H 3	LED	840	4400 lm	37 W	20°	on/off	A++
911457.00X.1.76	D 178, H 3	LED	840	4400 lm	37 W	20°	DALI	A++
911458.00X.1	D 178, H 3	LED	840	4250 lm	37 W	34°	on/off	A++
911458.00X.1.76	D 178, H 3	LED	840	4250 lm	37 W	34°	DALI	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
911452.00X	D 178, H 3	LED	830	1750 lm	20 W	10°	on/off	A++
911452.00X.76	D 178, H 3	LED	830	1750 lm	20 W	10°	DALI	A++
911452.00X.1	D 178, H 3	LED	840	1800 lm	20 W	10°	on/off	A++
911452.00X.1.76	D 178, H 3	LED	840	1800 lm	20 W	10°	DALI	A++
Including reflector for maximum efficiency								
911448.00X	D 178, H 3	LED	830	2050 lm	20 W	7°	on/off	A++
911448.00X.76	D 178, H 3	LED	830	2050 lm	20 W	7°	DALI	A++
911448.00X.1	D 178, H 3	LED	840	2050 lm	23 W	7°	on/off	A++
911448.00X.1.76	D 178, H 3	LED	840	2050 lm	23 W	7°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Accessories | Series: Golas Mini



Diffuser			Price Category 21
982370.000	D 75, H 3	Safety glass clear	
982370.010	D 75, H 3	Safety glass, satin finish	



Anti-glare horizontal dots			Price Category 21
982371.003	D 74, H 3	Honeycomb louvre Mini	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector	
982421.002	D 82, H 31	White plastic ring for lens	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector, narrow beam 17°	
982368.013	D 82, H 55	Reflector, medium beam 32°	
982368.023	D 82, H 55	Reflector, wide beam 47°	
982368.033	D 82, H 55	Reflector, wide beam 62°	
982369.003	D 82, H 55	Lens, narrow beam 18°	
982369.013	D 82, H 55	Lens, medium beam 29°	
982369.023	D 82, H 55	Lens, wide beam 44°	
982369.033	D 82, H 55	Lens, very wide beam 70°	
982369.043	D 82, H 55	Lens with oval light distribution for corridor 28°/40°	

Accessories | Series: Golas Maxi



Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass clear	
982374.010	D 111, H 3	Safety glass, satin finish	



Anti-glare horizontal dots			Price Category 21
982375.003	D 111, H 3	Maxi honeycomb louvre	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector	
982422.002	D 118, H 33	White plastic ring for lens	



Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector, narrow beam 10°	
982372.013	D 118, H 83	Reflector, medium beam 20°	
982372.023	D 118, H 83	Reflector, wide beam 34°	
982372.033	D 118, H 83	Reflector, very wide beam 63°	
982373.003	D 118, H 83	Lens, narrow beam 12°	
982373.013	D 118, H 83	Lens, medium beam 29°	
982373.023	D 118, H 83	Lens, wide beam 41°	



The application image shows:
Deecos S


425

426-427

428-429

430-431

Deecos S
424-433

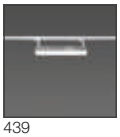

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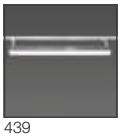

435

Calido Clickbeam
434-435


437

Tarek S
436-437


439


439

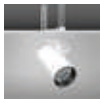
Triade
438-439



DEECOS® S

Surface mounted projectors

- Excellent light quality thanks to flicker-free light, homogeneous light distribution, glare limitation and light colour quality
- Modern design: cylindrical shape with no visible cooling fins
- EB integrated in cylinder tube or track adapter (track-in version); Mini B version in mounted box
- Suitable for reflector as well as lens technologies
- **MIRO-SILVER**® reflectors for outstanding efficiency or polycarbonate lenses for the best uniformity of the light cone, each with three different beam angles narrow, medium, wide



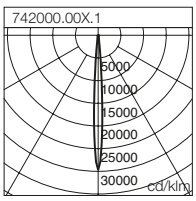


Further luminaires of this series, see:
Indoor lighting | Recessed projectors
Indoor lighting | Pendant luminaires

- Additional Superspot versions
- Black plastic ring with recessed LED to prevent glare from the side
- Additional light colours 927, 930, 935, 940 with Ra 95 and 832 with Ra 85 as well as with Maxi special food LEDs: champagne with Ra 97, meat and meat fresh available on request
- LED rated life 50,000 h (L90, B10)
- Colour consistency within 2-steps MacAdam (2 SDCM)
- High quality converter without flickering and stroboscopic effect
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- The following accessories can be mounted without use of tools: interchangeable lenses, honeycomb louvre, clear and frosted diffusers, white interchangeable plastic ring

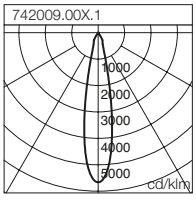
742000.00X.1

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2,0	0,26	11043
3,0	0,39	4908
4,0	0,52	2761
5,0	0,65	1767



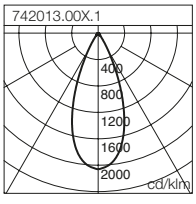
742009.00X.1

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5,0	1,87	684



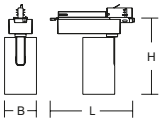
742013.00X.1

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1,0	0,75	5454
2,0	1,50	1364
3,0	2,26	606
4,0	3,01	341
5,0	3,76	218



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted projectors | Deecos S Mini B





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. With multi adaptor for 3-circuit tracks 230 V. Ceiling and wall installation.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
Including lens for best uniformity of the light cone								
742033.00X	L 228, B 87, H 209	LED	830	1950 lm	19 W	18°	on/off	A++
742034.00X	L 228, B 87, H 209	LED	830	1850 lm	19 W	29°	on/off	A++
742035.00X	L 228, B 87, H 209	LED	830	1700 lm	19 W	44°	on/off	A++
742033.00X.1	L 228, B 87, H 209	LED	840	2050 lm	19 W	18°	on/off	A++
742034.00X.1	L 228, B 87, H 209	LED	840	1950 lm	19 W	29°	on/off	A++
742035.00X.1	L 228, B 87, H 209	LED	840	1800 lm	19 W	44°	on/off	A++
742039.00X	L 228, B 87, H 209	LED	830	2800 lm	29 W	18°	on/off	A++
742040.00X	L 228, B 87, H 209	LED	830	2650 lm	29 W	29°	on/off	A++
742041.00X	L 228, B 87, H 209	LED	830	2450 lm	29 W	44°	on/off	A++
742039.00X.1	L 228, B 87, H 209	LED	840	2950 lm	29 W	18°	on/off	A++
742040.00X.1	L 228, B 87, H 209	LED	840	2800 lm	29 W	29°	on/off	A++
742041.00X.1	L 228, B 87, H 209	LED	840	2550 lm	29 W	44°	on/off	A++
Including reflector for maximum efficiency								
742029.00X	L 228, B 87, H 209	LED	830	2300 lm	19 W	17°	on/off	A++
742030.00X	L 228, B 87, H 209	LED	830	2150 lm	19 W	32°	on/off	A++
742031.00X	L 228, B 87, H 209	LED	830	2350 lm	19 W	62°	on/off	A++
742029.00X.1	L 228, B 87, H 209	LED	840	2450 lm	19 W	17°	on/off	A++
742030.00X.1	L 228, B 87, H 209	LED	840	2250 lm	19 W	32°	on/off	A++
742031.00X.1	L 228, B 87, H 209	LED	840	2450 lm	19 W	62°	on/off	A++
742036.00X	L 228, B 87, H 209	LED	830	3350 lm	29 W	17°	on/off	A++
742037.00X	L 228, B 87, H 209	LED	830	3050 lm	29 W	32°	on/off	A++
742038.00X	L 228, B 87, H 209	LED	830	3350 lm	29 W	62°	on/off	A++
742036.00X.1	L 228, B 87, H 209	LED	840	3500 lm	29 W	17°	on/off	A++
742037.00X.1	L 228, B 87, H 209	LED	840	3200 lm	29 W	32°	on/off	A++
742038.00X.1	L 228, B 87, H 209	LED	840	3500 lm	29 W	62°	on/off	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742032.00X	L 228, B 87, H 209	LED	830	1850 lm	20 W	14°	on/off	A++
742032.00X.1	L 228, B 87, H 209	LED	840	1900 lm	20 W	14°	on/off	A++
Including reflector for maximum efficiency								
742028.00X	L 228, B 87, H 209	LED	830	2100 lm	20 W	11°	on/off	A++
742028.00X.1	L 228, B 87, H 209	LED	840	2200 lm	20 W	11°	on/off	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

Comparison
LED vs. conventional lamps

LED 19 / 20 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)



Accessories: Page 433

with reflector

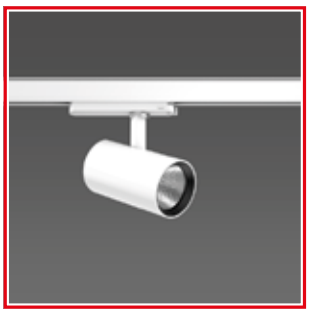




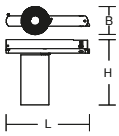
with lens







Surface mounted projectors | Deecos S Mini Track-In



Type of Protection: IP 20
Protection Class: II
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. With multi-adapter for 3-phase tracks or with adapter for RZB 3-phase DALI tracks. Ceiling mounting. Converter integrated in the adapter.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Comparison
LED vs. conventional lamps

LED 19 / 20 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
Including lens for best uniformity of the light cone								
742102.00X	D 87, H 174	LED	830	1950 lm	19 W	18°	on/off	A++
742103.00X	D 87, H 174	LED	830	1850 lm	19 W	29°	on/off	A++
742104.00X	D 87, H 174	LED	830	1700 lm	19 W	44°	on/off	A++
742102.00X.1	D 87, H 174	LED	840	2050 lm	19 W	18°	on/off	A++
742103.00X.1	D 87, H 174	LED	840	1950 lm	19 W	29°	on/off	A++
742104.00X.1	D 87, H 174	LED	840	1800 lm	19 W	44°	on/off	A++
742108.00X	D 87, H 174	LED	830	2800 lm	29 W	18°	on/off	A++
742109.00X	D 87, H 174	LED	830	2650 lm	29 W	29°	on/off	A++
742110.00X	D 87, H 174	LED	830	2450 lm	29 W	44°	on/off	A++
742108.00X.1	D 87, H 174	LED	840	2950 lm	29 W	18°	on/off	A++
742109.00X.1	D 87, H 174	LED	840	2800 lm	29 W	29°	on/off	A++
742110.00X.1	D 87, H 174	LED	840	2550 lm	29 W	44°	on/off	A++
Including reflector for maximum efficiency								
742098.00X	D 87, H 174	LED	830	2300 lm	19 W	17°	on/off	A++
742099.00X	D 87, H 174	LED	830	2150 lm	19 W	32°	on/off	A++
742100.00X	D 87, H 174	LED	830	2350 lm	19 W	62°	on/off	A++
742098.00X.1	D 87, H 174	LED	840	2450 lm	19 W	17°	on/off	A++
742099.00X.1	D 87, H 174	LED	840	2250 lm	19 W	32°	on/off	A++
742100.00X.1	D 87, H 174	LED	840	2450 lm	19 W	62°	on/off	A++
742105.00X	D 87, H 174	LED	830	3350 lm	29 W	17°	on/off	A++
742106.00X	D 87, H 174	LED	830	3050 lm	29 W	32°	on/off	A++
742107.00X	D 87, H 174	LED	830	3350 lm	29 W	62°	on/off	A++
742105.00X.1	D 87, H 174	LED	840	3500 lm	29 W	17°	on/off	A++
742106.00X.1	D 87, H 174	LED	840	3200 lm	29 W	32°	on/off	A++
742107.00X.1	D 87, H 174	LED	840	3500 lm	29 W	62°	on/off	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742101.00X	D 87, H 174	LED	830	1850 lm	20 W	14°	on/off	A++
742101.00X.1	D 87, H 174	LED	840	1900 lm	20 W	14°	on/off	A++
Including reflector for maximum efficiency								
742097.00X	D 87, H 174	LED	830	2100 lm	20 W	11°	on/off	A++
742097.00X.1	D 87, H 174	LED	840	2200 lm	20 W	11°	on/off	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

with reflector





with lens





Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with DALI adapter only for RZB 3-circuit DALI track 230 V								
Including lens for best uniformity of the light cone								
742114.00X.76	D 87, H 174	LED	830	2600 lm	26 W	18°	DALI	A++
742115.00X.76	D 87, H 174	LED	830	2450 lm	26 W	29°	DALI	A++
742116.00X.76	D 87, H 174	LED	830	2300 lm	26 W	44°	DALI	A++
742114.00X.1.76	D 87, H 174	LED	840	2750 lm	26 W	18°	DALI	A++
742115.00X.1.76	D 87, H 174	LED	840	2600 lm	26 W	29°	DALI	A++
742116.00X.1.76	D 87, H 174	LED	840	2400 lm	26 W	44°	DALI	A++
Including reflector for maximum efficiency								
742111.00X.76	D 87, H 174	LED	830	3100 lm	26 W	17°	DALI	A++
742112.00X.76	D 87, H 174	LED	830	2850 lm	26 W	32°	DALI	A++
742113.00X.76	D 87, H 174	LED	830	3150 lm	26 W	62°	DALI	A++
742111.00X.1.76	D 87, H 174	LED	840	3250 lm	26 W	17°	DALI	A++
742112.00X.1.76	D 87, H 174	LED	840	3000 lm	26 W	32°	DALI	A++
742113.00X.1.76	D 87, H 174	LED	840	3300 lm	26 W	62°	DALI	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742101.00X.76	D 87, H 174	LED	830	1850 lm	20 W	14°	DALI	A++
742101.00X.1.76	D 87, H 174	LED	840	1900 lm	20 W	14°	DALI	A++
Including reflector for maximum efficiency								
742097.00X.76	D 87, H 174	LED	830	2100 lm	20 W	11°	DALI	A++
742097.00X.1.76	D 87, H 174	LED	840	2200 lm	20 W	11°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request



Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (45 W CB)

LED 26 W ≈
1 x 50 W HIT (60 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
With smart+free multi-adapter for 3-phase conductor rails 230 V								
Including lens for best uniformity of the light cone								
742114.00X.730	D 87, H 174	LED	830	2600 lm	26 W	18°	smart+free	A++
742115.00X.730	D 87, H 174	LED	830	2450 lm	26 W	29°	smart+free	A++
742116.00X.730	D 87, H 174	LED	830	2300 lm	26 W	44°	smart+free	A++
742114.00X.1.730	D 87, H 174	LED	840	2750 lm	26 W	18°	smart+free	A++
742115.00X.1.730	D 87, H 174	LED	840	2600 lm	26 W	29°	smart+free	A++
742116.00X.1.730	D 87, H 174	LED	840	2400 lm	26 W	44°	smart+free	A++
Including reflector for maximum efficiency								
742111.00X.730	D 87, H 174	LED	830	3100 lm	26 W	17°	smart+free	A++
742112.00X.730	D 87, H 174	LED	830	2850 lm	26 W	32°	smart+free	A++
742113.00X.730	D 87, H 174	LED	830	3150 lm	26 W	62°	smart+free	A++
742111.00X.1.730	D 87, H 174	LED	840	3250 lm	26 W	17°	smart+free	A++
742112.00X.1.730	D 87, H 174	LED	840	3000 lm	26 W	32°	smart+free	A++
742113.00X.1.730	D 87, H 174	LED	840	3300 lm	26 W	62°	smart+free	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742101.00X.730	D 87, H 174	LED	830	1850 lm	20 W	14°	smart+free	A++
742101.00X.1.730	D 87, H 174	LED	840	1900 lm	20 W	14°	smart+free	A++
Including reflector for maximum efficiency								
742097.00X.730	D 87, H 174	LED	830	2100 lm	20 W	11°	smart+free	A++
742097.00X.1.730	D 87, H 174	LED	840	2200 lm	20 W	11°	smart+free	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request



Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (45 W CB)

LED 26 W ≈
1 x 50 W HIT (60 W CB)



Accessories: Page 433

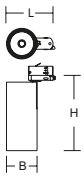


Comparison
LED vs. conventional lamps

LED 19 / 20 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)

Surface mounted projectors | Deecos S Mini



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

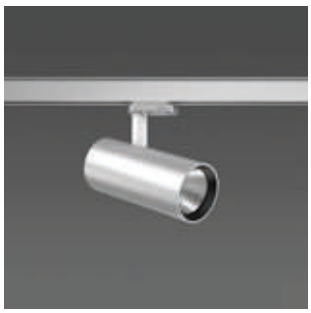
Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. With multi-adapter for 3-phase tracks or with adapter for RZB 3-phase DALI tracks. Ceiling mounting.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
Including lens for best uniformity of the light cone								
742019.00X	L 97, B 87, H 214	LED	830	1950 lm	19 W	18°	on/off	A++
742020.00X	L 97, B 87, H 214	LED	830	1850 lm	19 W	29°	on/off	A++
742021.00X	L 97, B 87, H 214	LED	830	1700 lm	19 W	44°	on/off	A++
742019.00X.1	L 97, B 87, H 214	LED	840	2050 lm	19 W	18°	on/off	A++
742020.00X.1	L 97, B 87, H 214	LED	840	1950 lm	19 W	29°	on/off	A++
742021.00X.1	L 97, B 87, H 214	LED	840	1800 lm	19 W	44°	on/off	A++
742025.00X	L 97, B 87, H 214	LED	830	2800 lm	29 W	18°	on/off	A++
742026.00X	L 97, B 87, H 214	LED	830	2650 lm	29 W	29°	on/off	A++
742027.00X	L 97, B 87, H 214	LED	830	2450 lm	29 W	44°	on/off	A++
742025.00X.1	L 97, B 87, H 214	LED	840	2950 lm	29 W	18°	on/off	A++
742026.00X.1	L 97, B 87, H 214	LED	840	2800 lm	29 W	29°	on/off	A++
742027.00X.1	L 97, B 87, H 214	LED	840	2550 lm	29 W	44°	on/off	A++
Including reflector for maximum efficiency								
742015.00X	L 97, B 87, H 214	LED	830	2300 lm	19 W	17°	on/off	A++
742016.00X	L 97, B 87, H 214	LED	830	2150 lm	19 W	32°	on/off	A++
742017.00X	L 97, B 87, H 214	LED	830	2350 lm	19 W	62°	on/off	A++
742015.00X.1	L 97, B 87, H 214	LED	840	2450 lm	19 W	17°	on/off	A++
742016.00X.1	L 97, B 87, H 214	LED	840	2250 lm	19 W	32°	on/off	A++
742017.00X.1	L 97, B 87, H 214	LED	840	2450 lm	19 W	62°	on/off	A++
742022.00X	L 97, B 87, H 214	LED	830	3350 lm	29 W	17°	on/off	A++
742023.00X	L 97, B 87, H 214	LED	830	3050 lm	29 W	32°	on/off	A++
742024.00X	L 97, B 87, H 214	LED	830	3350 lm	29 W	62°	on/off	A++
742022.00X.1	L 97, B 87, H 214	LED	840	3500 lm	29 W	17°	on/off	A++
742023.00X.1	L 97, B 87, H 214	LED	840	3200 lm	29 W	32°	on/off	A++
742024.00X.1	L 97, B 87, H 214	LED	840	3500 lm	29 W	62°	on/off	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742018.00X	L 97, B 87, H 214	LED	830	1850 lm	20 W	14°	on/off	A++
742018.00X.1	L 97, B 87, H 214	LED	840	1900 lm	20 W	14°	on/off	A++
Including reflector for maximum efficiency								
742014.00X	L 97, B 87, H 214	LED	830	2100 lm	20 W	11°	on/off	A++
742014.00X.1	L 97, B 87, H 214	LED	840	2200 lm	20 W	11°	on/off	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

with reflector


with lens





Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with DALI adapter only for RZB 3-circuit DALI track 230 V								
Including lens for best uniformity of the light cone								
742019.00X.76	L 97, B 87, H 214	LED	830	1950 lm	19 W	18°	DALI	A++
742020.00X.76	L 97, B 87, H 214	LED	830	1850 lm	19 W	29°	DALI	A++
742021.00X.76	L 97, B 87, H 214	LED	830	1700 lm	19 W	44°	DALI	A++
742019.00X.1.76	L 97, B 87, H 214	LED	840	2050 lm	19 W	18°	DALI	A++
742020.00X.1.76	L 97, B 87, H 214	LED	840	1950 lm	19 W	29°	DALI	A++
742021.00X.1.76	L 97, B 87, H 214	LED	840	1800 lm	19 W	44°	DALI	A++
742025.00X.76	L 97, B 87, H 214	LED	830	2800 lm	29 W	18°	DALI	A++
742026.00X.76	L 97, B 87, H 214	LED	830	2650 lm	29 W	29°	DALI	A++
742027.00X.76	L 97, B 87, H 214	LED	830	2450 lm	29 W	44°	DALI	A++
742025.00X.1.76	L 97, B 87, H 214	LED	840	2950 lm	29 W	18°	DALI	A++
742026.00X.1.76	L 97, B 87, H 214	LED	840	2800 lm	29 W	29°	DALI	A++
742027.00X.1.76	L 97, B 87, H 214	LED	840	2550 lm	29 W	44°	DALI	A++
Including reflector for maximum efficiency								
742015.00X.76	L 97, B 87, H 214	LED	830	2300 lm	19 W	17°	DALI	A++
742016.00X.76	L 97, B 87, H 214	LED	830	2150 lm	19 W	32°	DALI	A++
742017.00X.76	L 97, B 87, H 214	LED	830	2350 lm	19 W	62°	DALI	A++
742015.00X.1.76	L 97, B 87, H 214	LED	840	2450 lm	19 W	17°	DALI	A++
742016.00X.1.76	L 97, B 87, H 214	LED	840	2250 lm	19 W	32°	DALI	A++
742017.00X.1.76	L 97, B 87, H 214	LED	840	2450 lm	19 W	62°	DALI	A++
742022.00X.76	L 97, B 87, H 214	LED	830	3350 lm	29 W	17°	DALI	A++
742023.00X.76	L 97, B 87, H 214	LED	830	3050 lm	29 W	32°	DALI	A++
742024.00X.76	L 97, B 87, H 214	LED	830	3350 lm	29 W	62°	DALI	A++
742022.00X.1.76	L 97, B 87, H 214	LED	840	3500 lm	29 W	17°	DALI	A++
742023.00X.1.76	L 97, B 87, H 214	LED	840	3200 lm	29 W	32°	DALI	A++
742024.00X.1.76	L 97, B 87, H 214	LED	840	3500 lm	29 W	62°	DALI	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742018.00X.76	L 97, B 87, H 214	LED	830	1850 lm	20 W	14°	DALI	A++
742018.00X.1.76	L 97, B 87, H 214	LED	840	1900 lm	20 W	14°	DALI	A++
Including reflector for maximum efficiency								
742014.00X.76	L 97, B 87, H 214	LED	830	2100 lm	20 W	11°	DALI	A++
742014.00X.1.76	L 97, B 87, H 214	LED	840	2200 lm	20 W	11°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request



Comparison
LED vs. conventional lamps

LED 19 / 20 W ≈
1 x 35 W HIT (45 W CB)

LED 29 W ≈
1 x 50 W HIT (60 W CB)



Accessories: Page 433

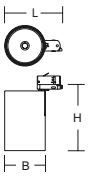


© Jens Pfisterer

The application image shows:
Deecos R
Deecos S



Surface mounted projectors | Deecos S Maxi



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. With optical assembly MIRO-SILVER® reflector or polycarbonate lens. With multi-adapter for 3-phase tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling mounting.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Comparison
LED vs. conventional lamps

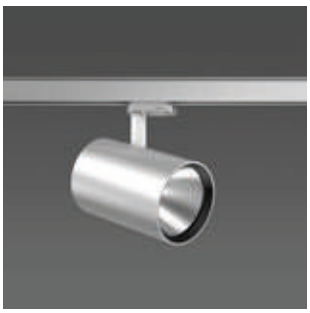
LED 20 / 24 W ≈
1 x 35 W HIT (45 W CB)

LED 37 W ≈
1 x 50 W HIT (60 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
Including lens for best uniformity of the light cone								
742005.00X	L 133, B 123, H 200	LED	830	2350 lm	24 W	12°	on/off	A++
742006.00X	L 133, B 123, H 200	LED	830	2350 lm	24 W	29°	on/off	A++
742007.00X	L 133, B 123, H 200	LED	830	2350 lm	24 W	41°	on/off	A++
742005.00X.1	L 133, B 123, H 200	LED	840	2500 lm	24 W	12°	on/off	A++
742006.00X.1	L 133, B 123, H 200	LED	840	2450 lm	24 W	29°	on/off	A++
742007.00X.1	L 133, B 123, H 200	LED	840	2500 lm	24 W	41°	on/off	A++
742011.00X	L 133, B 123, H 200	LED	830	3300 lm	37 W	12°	on/off	A++
742012.00X	L 133, B 123, H 200	LED	830	3250 lm	37 W	29°	on/off	A++
742013.00X	L 133, B 123, H 200	LED	830	3300 lm	37 W	41°	on/off	A++
742011.00X.1	L 133, B 123, H 200	LED	840	3500 lm	37 W	12°	on/off	A++
742012.00X.1	L 133, B 123, H 200	LED	840	3500 lm	37 W	29°	on/off	A++
742013.00X.1	L 133, B 123, H 200	LED	840	3500 lm	37 W	41°	on/off	A++
Including reflector for maximum efficiency								
742001.00X	L 133, B 123, H 200	LED	830	2850 lm	24 W	10°	on/off	A++
742002.00X	L 133, B 123, H 200	LED	830	3000 lm	24 W	20°	on/off	A++
742003.00X	L 133, B 123, H 200	LED	830	2900 lm	24 W	34°	on/off	A++
742001.00X.1	L 133, B 123, H 200	LED	840	3000 lm	24 W	10°	on/off	A++
742002.00X.1	L 133, B 123, H 200	LED	840	3150 lm	24 W	20°	on/off	A++
742003.00X.1	L 133, B 123, H 200	LED	840	3050 lm	24 W	34°	on/off	A++
742008.00X	L 133, B 123, H 200	LED	830	4000 lm	37 W	10°	on/off	A++
742009.00X	L 133, B 123, H 200	LED	830	4200 lm	37 W	20°	on/off	A++
742010.00X	L 133, B 123, H 200	LED	830	4050 lm	37 W	34°	on/off	A++
742008.00X.1	L 133, B 123, H 200	LED	840	4200 lm	37 W	10°	on/off	A++
742009.00X.1	L 133, B 123, H 200	LED	840	4400 lm	37 W	20°	on/off	A++
742010.00X.1	L 133, B 123, H 200	LED	840	4250 lm	37 W	34°	on/off	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742004.00X	L 133, B 123, H 200	LED	830	1750 lm	20 W	10°	on/off	A++
742004.00X.1	L 133, B 123, H 200	LED	840	1800 lm	20 W	10°	on/off	A++
Including reflector for maximum efficiency								
742000.00X	L 133, B 123, H 200	LED	830	2050 lm	20 W	7°	on/off	A++
742000.00X.1	L 133, B 123, H 200	LED	840	2050 lm	20 W	7°	on/off	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request

with reflector


with lens





Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with DALI adapter only for RZB 3-circuit DALI track 230 V								
Including lens for best uniformity of the light cone								
742005.00X.76	L 133, B 123, H 200	LED	830	2350 lm	24 W	12°	DALI	A++
742006.00X.76	L 133, B 123, H 200	LED	830	2350 lm	24 W	29°	DALI	A++
742007.00X.76	L 133, B 123, H 200	LED	830	2350 lm	24 W	41°	DALI	A++
742005.00X.1.76	L 133, B 123, H 200	LED	840	2500 lm	24 W	12°	DALI	A++
742006.00X.1.76	L 133, B 123, H 200	LED	840	2450 lm	24 W	29°	DALI	A++
742007.00X.1.76	L 133, B 123, H 200	LED	840	2500 lm	24 W	41°	DALI	A++
742011.00X.76	L 133, B 123, H 200	LED	830	3300 lm	37 W	12°	DALI	A++
742012.00X.76	L 133, B 123, H 200	LED	830	3250 lm	37 W	29°	DALI	A++
742013.00X.76	L 133, B 123, H 200	LED	830	3300 lm	37 W	41°	DALI	A++
742011.00X.1.76	L 133, B 123, H 200	LED	840	3500 lm	37 W	12°	DALI	A++
742012.00X.1.76	L 133, B 123, H 200	LED	840	3500 lm	37 W	29°	DALI	A++
742013.00X.1.76	L 133, B 123, H 200	LED	840	3500 lm	37 W	41°	DALI	A++
Including reflector for maximum efficiency								
742001.00X.76	L 133, B 123, H 200	LED	830	2850 lm	24 W	10°	DALI	A++
742002.00X.76	L 133, B 123, H 200	LED	830	3000 lm	24 W	20°	DALI	A++
742003.00X.76	L 133, B 123, H 200	LED	830	2900 lm	24 W	34°	DALI	A++
742001.00X.1.76	L 133, B 123, H 200	LED	840	3000 lm	24 W	10°	DALI	A++
742002.00X.1.76	L 133, B 123, H 200	LED	840	3150 lm	24 W	20°	DALI	A++
742003.00X.1.76	L 133, B 123, H 200	LED	840	3050 lm	24 W	34°	DALI	A++
742008.00X.76	L 133, B 123, H 200	LED	830	4000 lm	37 W	10°	DALI	A++
742009.00X.76	L 133, B 123, H 200	LED	830	4200 lm	37 W	20°	DALI	A++
742010.00X.76	L 133, B 123, H 200	LED	830	4050 lm	37 W	34°	DALI	A++
742008.00X.1.76	L 133, B 123, H 200	LED	840	4200 lm	37 W	10°	DALI	A++
742009.00X.1.76	L 133, B 123, H 200	LED	840	4400 lm	37 W	20°	DALI	A++
742010.00X.1.76	L 133, B 123, H 200	LED	840	4250 lm	37 W	34°	DALI	A++
Superspot version with small spot LED								
Including lens for best uniformity of the light cone								
742004.00X.76	L 133, B 123, H 200	LED	830	1750 lm	20 W	10°	DALI	A++
742004.00X.1.76	L 133, B 123, H 200	LED	840	1800 lm	20 W	10°	DALI	A++
Including reflector for maximum efficiency								
742000.00X.76	L 133, B 123, H 200	LED	830	2050 lm	20 W	7°	DALI	A++
742000.00X.1.76	L 133, B 123, H 200	LED	840	2050 lm	20 W	7°	DALI	A++

Versions with Ra > 90 colour rendition are also available in other light colours on request



Comparison
LED vs. conventional lamps

LED 20 / 24 W ≈
1 x 35 W HIT (45 W CB)

LED 37 W ≈
1 x 50 W HIT (60 W CB)



Accessories: Page 433



The application image shows:
Deecos R
Deecos S



The application image shows:
Deecos S

© Linus Lintner

Accessories | Deecos S Mini B | Deecos S Mini Track-In | Deecos S Mini



Diffuser			Price Category 21
982370.000	D 75, H 3	Safety glass clear	
982370.010	D 75, H 3	Safety glass, satin finish	



Anti-glare honeycomb louvre			Price Category 21
982371.003	D 74, H 3	Honeycomb louvre Mini	



Interchangeable plastic rings			Price Category 21
982419.002	D 82, H 20	White plastic ring for reflector	
982421.002	D 82, H 31	White plastic ring for lens	



Interchangeable optics			Price Category 21
982368.003	D 82, H 55	Reflector, narrow beam 17°	
982368.013	D 82, H 55	Reflector, medium beam 32°	
982368.023	D 82, H 55	Reflector, wide beam 47°	
982368.033	D 82, H 55	Reflector, wide beam 62°	
982369.003	D 82, H 55	Lens, narrow beam 18°	
982369.013	D 82, H 55	Lens, medium beam 29°	
982369.023	D 82, H 55	Lens, wide beam 44°	
982369.033	D 82, H 55	Lens, very wide beam 70°	
982369.043	D 82, H 55	Lens with oval light distribution for corridor 28°/40°	

Accessories | Deecos S Maxi



Diffuser			Price Category 21
982374.000	D 111, H 3	Safety glass clear	
982374.010	D 111, H 3	Safety glass, satin finish	



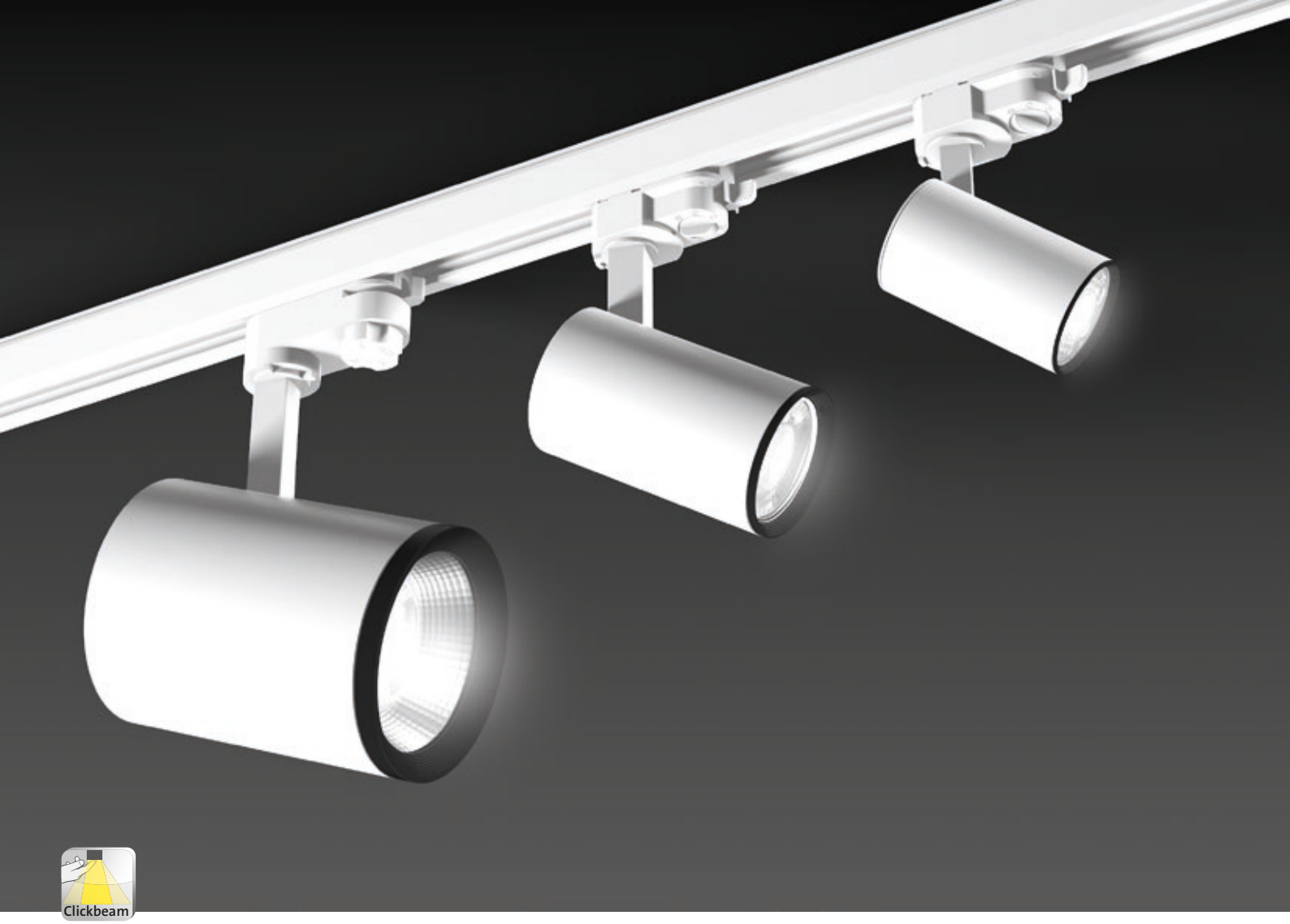
Anti-glare honeycomb louvre			Price Category 21
982375.003	D 111, H 3	Maxi honeycomb louvre	



Interchangeable plastic rings			Price Category 21
982420.002	D 118, H 20	White plastic ring for reflector	
982422.002	D 118, H 33	White plastic ring for lens	



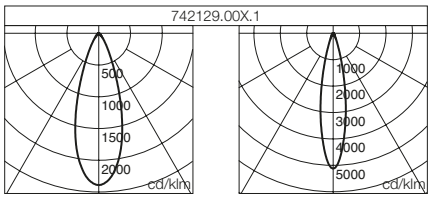
Interchangeable optics			Price Category 21
982372.003	D 118, H 83	Reflector, narrow beam 10°	
982372.013	D 118, H 83	Reflector, medium beam 20°	
982372.023	D 118, H 83	Reflector, wide beam 34°	
982372.033	D 118, H 83	Reflector, very wide beam 63°	
982373.003	D 118, H 83	Lens, narrow beam 12°	
982373.013	D 118, H 83	Lens, medium beam 29°	
982373.023	D 118, H 83	Lens, wide beam 41°	

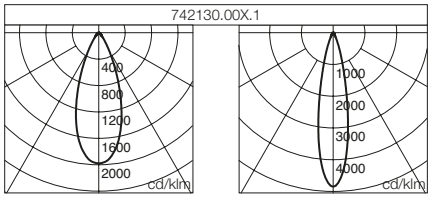


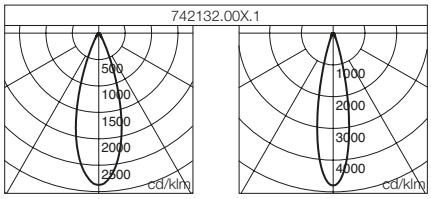
CALIDO® CLICKBEAM

Surface mounted projectors

- Flexibility by Clickbeam
- Special polycarbonate lens suitable for different beam angles (medium, wide)
- Adjustable lens position through push mechanism to adjust the beam angle
- Modern design: cylindrical shape with no visible cooling fins
- Mini version features particularly compact dimensions
- Converter integrated in the tube
- Hybrid optical system with lens and reflector for homogeneous light distribution
- Black front ring to prevent glare from the side
- LED rated life: Midi/Maxi 50,000 hrs / L70, B50; Mini 25,000 hrs / L70, B50 (3-year warranty)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Excellent value for money
- The following accessories can be mounted without use of tools: honeycomb louvre

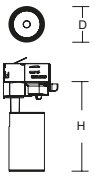






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted projectors | Calido Clickbeam Mini





Type of Protection: IP 20
Protection Class: II

Housing: aluminium extrusion profile, powder-coated. Cover and lever arm made of plastic. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. Special polycarbonate lens suitable for different beam angles. Adjustable lens position by means of push mechanism to adjust the beam angle. With multi adaptor for 3-circuit tracks 230 V. Ceiling mounting.

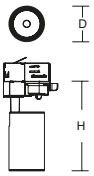
Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
742129.00X	D 50, H 132	LED	828	1150 lm	12 W	34°	on/off	A++
		LED	828	1000 lm	12 W	21°	on/off	A++
742129.00X.1	D 50, H 132	LED	840	1250 lm	12 W	34°	on/off	A++
		LED	840	1100 lm	12 W	21°	on/off	A++



Anti-glare horizontal dots			Price Category 21
982448.003	D 47, H 4	Honeycomb anti-dazzle-screen for Calido Mini 13° and Clickbeam	

Surface mounted projectors | Calido Clickbeam Midi





Type of Protection: IP 20
Protection Class: II

Housing: aluminium extrusion profile, powder-coated. Cover and lever arm made of plastic. Rotation range: 356°. Swivel range: 90°. Heat resistant plastic ring black. Special polycarbonate lens suitable for different beam angles. Adjustable lens position by means of push mechanism to adjust the beam angle. With multi adaptor for 3-circuit tracks 230 V. Ceiling mounting.

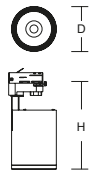
Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
742130.00X	D 65, H 164	LED	830	1950 lm	25 W	38°	on/off	A++
		LED	830	1900 lm	25 W	21°	on/off	A++
742130.00X.1	D 65, H 164	LED	840	2000 lm	25 W	38°	on/off	A++
		LED	840	1950 lm	25 W	21°	on/off	A++



Anti-glare horizontal dots			Price Category 21
982544.003	D 55, H 4	Wabenraster Calido Midi	

Surface mounted projectors | Calido Clickbeam Maxi





Type of Protection: IP 20
Protection Class: II

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 90°. Front ring die-cast aluminium black. Hybrid optical system with polycarbonate lens and reflector in faceted aluminium. Special polycarbonate lens suitable for different beam angles. Adjustable lens position by means of push mechanism to adjust the beam angle. With multi adaptor for 3-circuit tracks 230 V. Ceiling mounting.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
742131.00X	D 110, H 215	LED	830	3650 lm	38 W	33°	on/off	A++
		LED	830	3450 lm	38 W	23°	on/off	A++
742131.00X.1	D 110, H 215	LED	840	3750 lm	38 W	33°	on/off	A++
		LED	840	3550 lm	38 W	23°	on/off	A++
742132.00X	D 110, H 215	LED	830	5650 lm	50 W	33°	on/off	A++
		LED	830	5350 lm	50 W	23°	on/off	A++
742132.00X.1	D 110, H 215	LED	840	5850 lm	50 W	33°	on/off	A++
		LED	840	5550 lm	50 W	23°	on/off	A++



Anti-glare horizontal dots			Price Category 21
982405.003	D 90, H 8	Calido Maxi hexagonal dots	



DALI

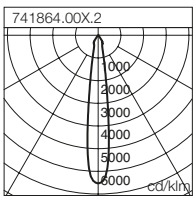
TAREK® S

Surface mounted projectors

- Non-reflecting safety glass cover with minimal loss of transmission to protect LED and reflector
- Consistent alignment possible with visible tilt scale
- Further light colours with Ra > 90 and special food LEDs also available on request
- Luminous flux up to 6300 lm
- LED rated life 50,000 h (L80, B10)
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Versions suitable for DALI tracks required for the creation of dynamic light scenes are standard

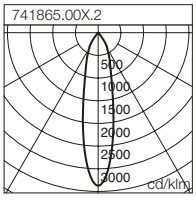
741864.00X.2

h [m]	⌀ [m]	E [lx]
1,0	0,27	24200
2,0	0,53	6050
3,0	0,80	2689
4,0	1,07	1513
5,0	1,33	968



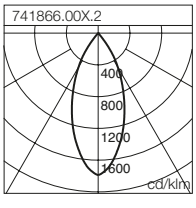
741865.00X.2

h [m]	⌀ [m]	E [lx]
1,0	0,40	12456
2,0	0,81	3114
3,0	1,21	1384
4,0	1,61	778
5,0	2,02	498



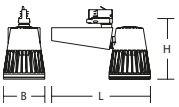
741866.00X.2

h [m]	⌀ [m]	E [lx]
1,0	0,78	6504
2,0	1,57	1626
3,0	2,35	723
4,0	3,14	406
5,0	3,92	260



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted projectors | Tarek S





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK07

Housing: pressure die-cast aluminium, powder-coated. Rotation range: 356°. Swivel range: 180°. Faceted aluminium reflector. Non-reflecting safety glass. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling mounting.

Available colours (X): 2 = white, 3 = black, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
High efficiency standard LED included								
741858.00X.1	L 290, B 120, H 178	LED	830	2800 lm	27 W	12°	on/off	A+
741859.00X.1	L 290, B 120, H 178	LED	830	2750 lm	27 W	21°	on/off	A+
741860.00X.1	L 290, B 120, H 178	LED	830	2750 lm	27 W	39°	on/off	A+
741858.00X.2	L 290, B 120, H 178	LED	840	2900 lm	27 W	12°	on/off	A+
741859.00X.2	L 290, B 120, H 178	LED	840	2850 lm	27 W	21°	on/off	A+
741860.00X.2	L 290, B 120, H 178	LED	840	2850 lm	27 W	39°	on/off	A+
741864.00X.1	L 290, B 120, H 178	LED	830	4350 lm	45 W	15°	on/off	A++
741865.00X.1	L 290, B 120, H 178	LED	830	4250 lm	45 W	23°	on/off	A++
741866.00X.1	L 290, B 120, H 178	LED	830	4200 lm	45 W	43°	on/off	A++
741864.00X.2	L 290, B 120, H 178	LED	840	4650 lm	45 W	15°	on/off	A+
741865.00X.2	L 290, B 120, H 178	LED	840	4550 lm	45 W	23°	on/off	A+
741866.00X.2	L 290, B 120, H 178	LED	840	4500 lm	45 W	43°	on/off	A+
741920.00X.1	L 290, B 120, H 178	LED	830	6050 lm	59 W	18°	on/off	A++
741921.00X.1	L 290, B 120, H 178	LED	830	6050 lm	59 W	24°	on/off	A++
741922.00X.1	L 290, B 120, H 178	LED	830	5900 lm	59 W	44°	on/off	A++
741920.00X.2	L 290, B 120, H 178	LED	840	6250 lm	59 W	18°	on/off	A++
741921.00X.2	L 290, B 120, H 178	LED	840	6300 lm	59 W	25°	on/off	A++
741922.00X.2	L 290, B 120, H 178	LED	840	6100 lm	59 W	44°	on/off	A++
with DALI adapter only for RZB 3-circuit DALI track 230 V								
High efficiency standard LED included								
741858.00X.1.76	L 290, B 120, H 178	LED	830	2800 lm	27 W	12°	DALI	A+
741859.00X.1.76	L 290, B 120, H 178	LED	830	2750 lm	27 W	21°	DALI	A+
741860.00X.1.76	L 290, B 120, H 178	LED	830	2750 lm	27 W	39°	DALI	A+
741858.00X.2.76	L 290, B 120, H 178	LED	840	2900 lm	27 W	12°	DALI	A+
741859.00X.2.76	L 290, B 120, H 178	LED	840	2850 lm	27 W	21°	DALI	A+
741860.00X.2.76	L 290, B 120, H 178	LED	840	2850 lm	27 W	39°	DALI	A+
741864.00X.1.76	L 290, B 120, H 178	LED	830	4350 lm	45 W	15°	DALI	A++
741865.00X.1.76	L 290, B 120, H 178	LED	830	4250 lm	45 W	23°	DALI	A++
741866.00X.1.76	L 290, B 120, H 178	LED	830	4200 lm	45 W	43°	DALI	A++
741864.00X.2.76	L 290, B 120, H 178	LED	840	4650 lm	45 W	15°	DALI	A+
741865.00X.2.76	L 290, B 120, H 178	LED	840	4550 lm	45 W	23°	DALI	A+
741866.00X.2.76	L 290, B 120, H 178	LED	840	4500 lm	45 W	43°	DALI	A+
741920.00X.1.76	L 290, B 120, H 178	LED	830	6050 lm	59 W	18°	DALI	A++
741921.00X.1.76	L 290, B 120, H 178	LED	830	6050 lm	59 W	24°	DALI	A++
741922.00X.1.76	L 290, B 120, H 178	LED	830	5900 lm	59 W	44°	DALI	A++
741920.00X.2.76	L 290, B 120, H 178	LED	840	6250 lm	59 W	18°	DALI	A++
741921.00X.2.76	L 290, B 120, H 178	LED	840	6300 lm	59 W	25°	DALI	A++
741922.00X.2.76	L 290, B 120, H 178	LED	840	6100 lm	59 W	44°	DALI	A++

Ra > 90 options on request

Comparison
LED vs. conventional lamps

LED 27 W ≈
1 x 35 W HIT (45 W CB)

LED 45 W ≈
1 x 70 W HIT (84 W CB)

LED 59 W ≈
1 x 100 W HIT (106 W CB)







DALI

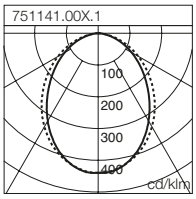
TRIADE LED

Surface mounted projectors

- LED spotlight for surface / track mounting in geometrical design for indoor applications
- For general and wall lighting
- Energy savings up to 58% compared to fluorescent lamps
- Swivel range: 90°
- Diffuser made of UV stabilised opal polycarbonate - for uniform and soft light distribution
- High quality housing made of extruded aluminium profile, powder coated
- LED rated life 50,000 h (L70, B10)
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Track mounting for high flexibility
- Available in two sizes and wattages
- With multi adapter for 3-circuit tracks or with adapter for 3-circuit DALI tracks
- With integrated converter

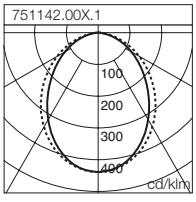
751141.00X.1

h [m]	⌀ [m]	E [lx]
1,0	1,92 / 2,27	1106
2,0	3,84 / 4,54	277
3,0	5,75 / 6,81	123
4,0	7,67 / 9,07	69
5,0	9,59 / 11,34	44



751142.00X.1

h [m]	⌀ [m]	E [lx]
1,0	1,91 / 2,33	1912
2,0	3,82 / 4,65	478
3,0	5,73 / 6,98	212
4,0	7,65 / 9,30	119
5,0	9,56 / 11,63	76



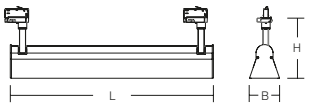
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted projectors | Triade LED

Type of Protection: IP 20
Protection Class: I
Impact Protection: IK02

Housing: aluminium extrusion profile, powder-coated. Vertical swivel range: 90°. Diffuser: plastic (polycarbonate), opal. Integral LED and driver. With multi-adapter for 3-circuit tracks or with adapter for RZB 3-circuit DALI tracks. Ceiling mounting.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured





Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Surface mounted projector								**Price Category 21**
with multi adaptor for 3-circuit tracks 230 V								
751141.00X	L 600, B 89, H 178	LED	830	3050 lm	36 W	90°/98°	on/off	A+
751141.00X.1	L 600, B 89, H 178	LED	840	3100 lm	36 W	88°/97°	on/off	A+
751142.00X	L 1160, B 89, H 178	LED	830	5250 lm	60 W	90°/99°	on/off	A+
751142.00X.1	L 1160, B 89, H 178	LED	840	5400 lm	60 W	87°/99°	on/off	A+
with DALI adapter only for RZB 3-circuit DALI track 230 V								
751141.00X.76	L 600, B 89, H 178	LED	830	3050 lm	36 W	90°/98°	DALI	A+
751141.00X.1.76	L 600, B 89, H 178	LED	840	3100 lm	36 W	88°/97°	DALI	A+
751142.00X.76	L 1160, B 89, H 178	LED	830	5250 lm	60 W	90°/99°	DALI	A+
751142.00X.1.76	L 1160, B 89, H 178	LED	840	5400 lm	60 W	87°/99°	DALI	A+

Comparison
LED vs. conventional lamps

LED 36 W ≈
2 x 36 W TC-L (86 W CB)

LED 60 W ≈
2 x 58 W T26 (134 W CB)









The application image shows:
Triade
Pascala



The application image shows:
Tarek S
3-circuit DALI track

© Linus Lintner


443

444

444-449



451



452



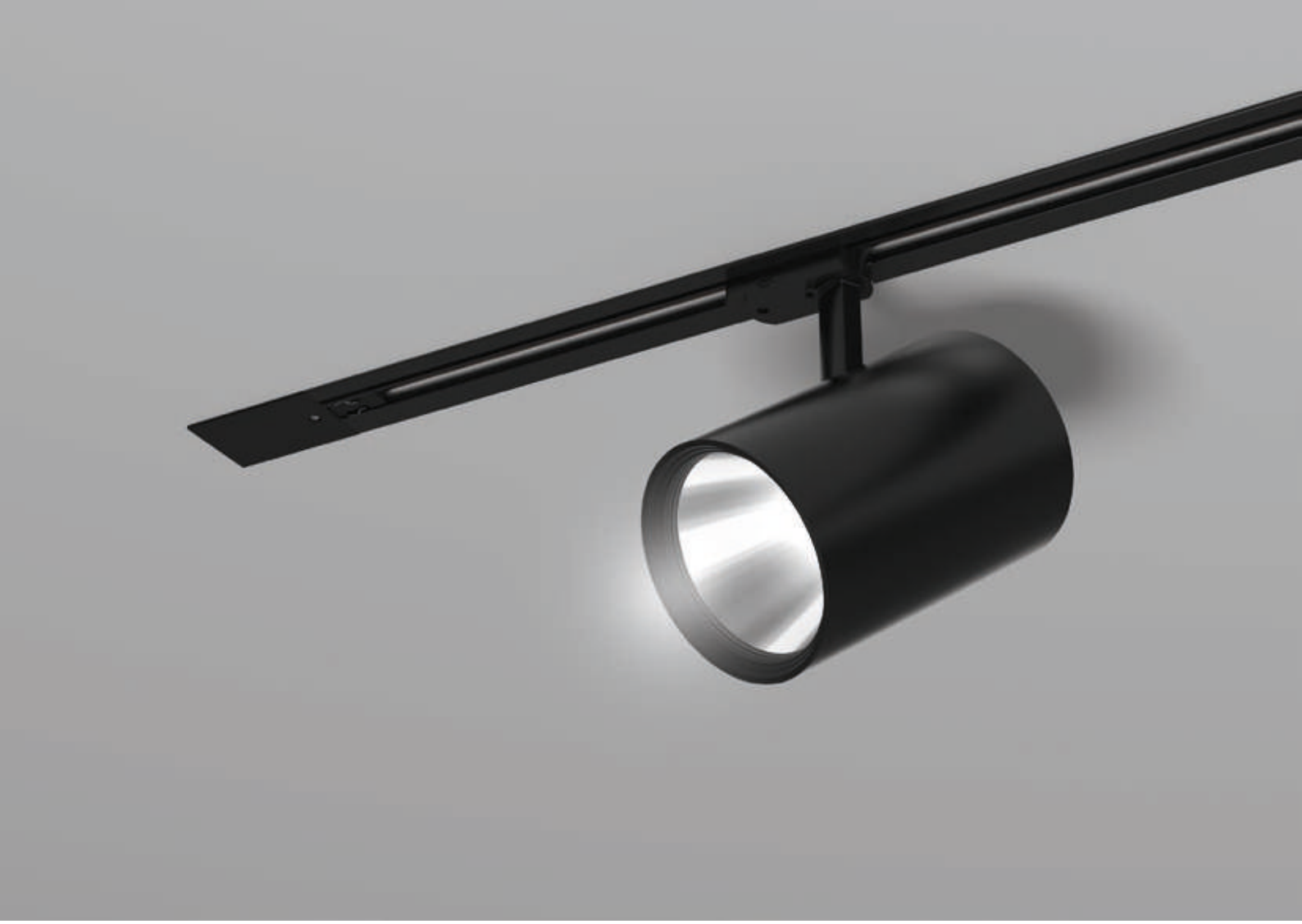
452-455

3-circuit tracks

442-449

3-circuit DALI tracks

450-455



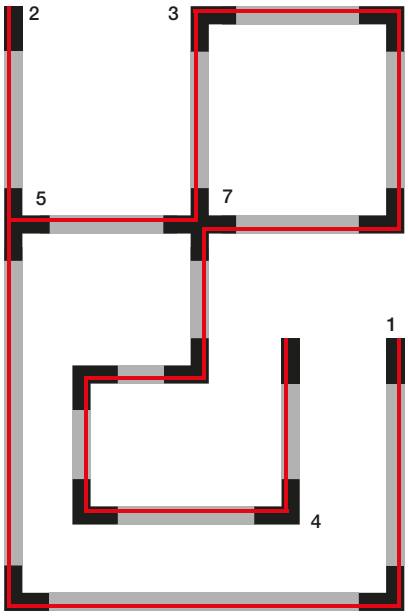
3-CIRCUIT TRACKS

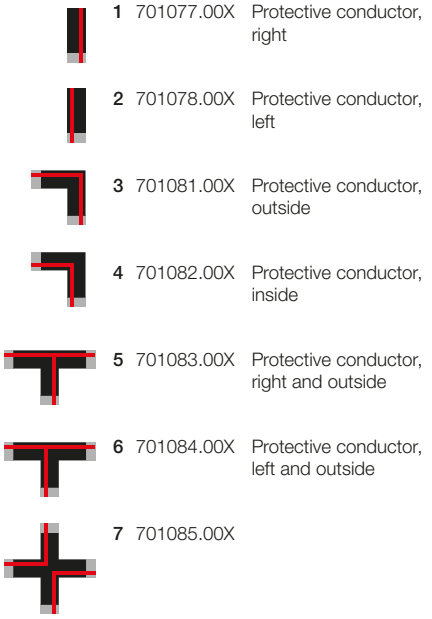
Tracks

- Aluminium extrusion profile tracks for the most flexible mounting options of spotlights
- 3-circuit tracks with three electrical circuits that can be switched separately
- Tracks can be cut easily by sawing them off without additional work steps
- Large range of accessories for flexible design of the track system
- Recessed and surface-mounted versions available
- Approved for use within hand‘s reach

Planning example for surface-mounted 3-circuit tracks

(View from below of the ceiling-mounted system.)

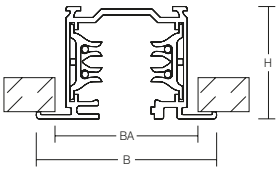




1	701077.00X	Protective conductor, right
2	701078.00X	Protective conductor, left
3	701081.00X	Protective conductor, outside
4	701082.00X	Protective conductor, inside
5	701083.00X	Protective conductor, right and outside
6	701084.00X	Protective conductor, left and outside
7	701085.00X	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Tracks | 3-circuit tracks





Type of Protection: IP 20
Protection Class: I

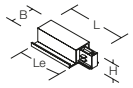
Aluminium extrusion profile, painted. Tracks can be cut to any required length. May be used within hand's reach.

Voltage: 250 V~ or 3-Circuit current 230/400 V max. 16 A

Available colours (X): 2 = white, 3 = black, 4 = aluminium, anodised

Reference number	Dimensions
Recessed tracks, Ceiling cut out width (BA) 42 mm	**Price Category 21**
Length 1000 mm, mounting holes at 100; 880 mm	
701067.00X	L 1000, B 53, H 33
Length 2000 mm, mounting holes at 100; 990; 1,880 mm	
701068.00X	L 2000, B 53, H 33
Length 3000 mm, mounting holes at 100; 990; 1,990; 2,880 mm	
701069.00X	L 3000, B 53, H 33
Length 4000 mm, mounting holes at 100; 990; 1,990; 2,990; 3,875 mm	
701070.00X	L 4000, B 53, H 33

Live end feed for 3-circuit tracks





Protection Class: I

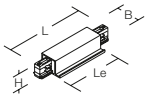
Plastic

Suitable for recessed tracks (track wings).

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions
Recessed length (Le): 80 mm	**Price Category 21**
Protective conductor, left	
701089.00X	L 119, B 53, H 33
Protective conductor, right	
701088.00X	L 119, B 53, H 33

Alternative live feed for 3-circuit tracks





Protection Class: I

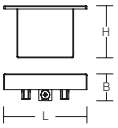
Plastic

Suitable for recessed tracks (track wings).

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions
Recessed length (Le): 120 mm	**Price Category 21**
701090.00X	L 198, B 53, H 33

End cap for 3-circuit tracks





Plastic

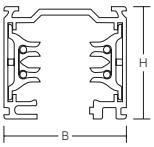
Suitable for recessed tracks (track wings).

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions
Recessed length (Le): 3 mm	**Price Category 21**
701121.00X	L 53, B 19, H 33



Tracks | 3-circuit tracks



Type of Protection: IP 20
Protection Class: I

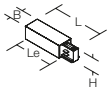
Aluminium extrusion profile, painted. Tracks can be cut to any required length.
May be used within hand's reach.
Voltage: 250 V~ or 3-Circuit current 230/400 V max. 16 A

Available colours (X): 2 = white, 3 = black, 4 = aluminium, anodised

Reference number	Dimensions	
Surface mounted tracks		**Price Category 21**
Length 1000 mm, mounting holes at 100; 880 mm		
701063.00X	L 1000, B 36, H 33	
Length 2000 mm, mounting holes at 100; 990; 1,880 mm		
701064.00X	L 2000, B 36, H 33	
Length 3000 mm, mounting holes at 100; 990; 1,990; 2,880 mm		
701065.00X	L 3000, B 36, H 33	
Length 4000 mm, mounting holes at 100; 990; 1,990; 2,990; 3,870 mm		
701066.00X	L 4000, B 36, H 33	



Live end feed for 3-circuit tracks



Protection Class: I

Plastic

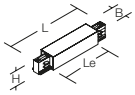
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 80 mm		**Price Category 21**
Protective conductor, left		
701078.00X	L 119, B 37, H 33	
Protective conductor, right		
701077.00X	L 119, B 37, H 33	



Alternative live feed for 3-circuit tracks



Protection Class: I

Plastic

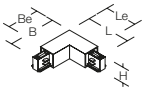
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 120 mm		**Price Category 21**
701079.00X	L 198, B 37, H 33	



90° angle coupling for 3-circuit tracks



Protection Class: I

Plastic, with live feed

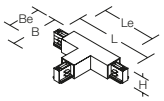
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 80 mm, Be 80 mm		**Price Category 21**
Protective conductor, outside		
701081.00X	L 117, B 117, H 33	
Protective conductor, inside		
701082.00X	L 117, B 117, H 33	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
.Q = Quick service (stock articles)
Further information on technical specifications can be found in the appendix

T-coupling for 3-circuit tracks





Protection Class: I

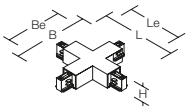
Plastic, with live feed

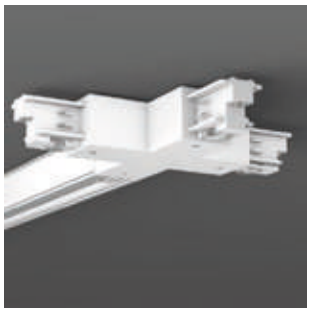
Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 120 mm, Be 80 mm		**Price Category 21**
Protective conductor, left and outside		
701084.00X	L 198, B 117, H 33	
Protective conductor, right and outside		
701083.00X	L 198, B 117, H 33	

Cross coupling for 3-circuit tracks





Protection Class: I

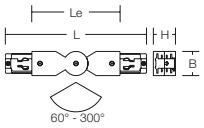
Plastic, with live feed

Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 120 mm, Be 120 mm		**Price Category 21**
701085.00X	L 198, B 198, H 33	

Joint coupling for 3-circuit tracks





Protection Class: I

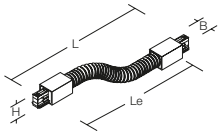
Plastic. Swivel range: ± 120° (from 60° to 300°), stepless.

Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 130 mm		**Price Category 21**
701092.00X	L 208, B 36, H 33	

Flexible coupling for 3-circuit tracks





Protection Class: I

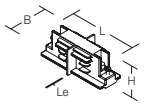
Plastic. Rotation and swivel range: ± 180°, horizontal and vertical, stepless.

Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 300 mm		**Price Category 21**
701086.00X	L 390, B 37, H 33	

Electric coupling, straight, for 3-circuit tracks





Protection Class: I

Plastic, gapless

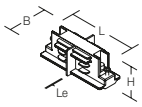
Coupling for electrical and mechanical connection.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 2 mm		**Price Category 21**
701071.00X	L 81, B 37, H 32	



Mechanical coupling, straight, for 3-circuit tracks



Plastic, gapless

Mechanical coupling for electrical isolation.

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 2 mm		**Price Category 21**
701080.00X	L 81, B 37, H 32	



End cap for 3-circuit tracks



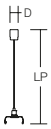
Plastic

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed length (Le): 3 mm		**Price Category 21**
701087.00X	L 36, B 10, H 33	



Suspension kit for 3-circuit tracks



Suspension Length: 100-5000 mm

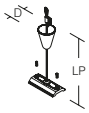
Suspension set with clamps for track mounting; max. 160 N [16 kg]. Steel cable Ø 1.2 mm; pendant length: 5 m; can be shortened with quick adjustment system, ceiling mounting material included.
A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 0 = stainless steel, 2 = white, 3 = black

Reference number	Dimensions	
Suspension kit for 3-circuit tracks		**Price Category 21**
01-8524.15X	D 12, LP 100-5000	



Cable suspension for 3-circuit tracks



Suspension Length: 100-2000 mm

Ceiling mounting, with canopy and M6 screw. Max. 200 N [20 kg], pendant length: 1.5 m, can be shortened. The wire rope clip is fixed to the canopy, the quick adjustment system is mounted to the track.

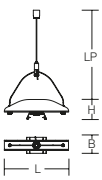
A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	
Cable suspension for 3-circuit tracks		**Price Category 21**
701073.00X	D 41, LP 100-2000	



Suspension kit with traverse for 3-circuit tracks



Suspension Length: 230-5000 mm

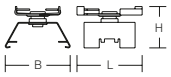
Wire rope set with cross traverse and bracket for tracks (avoids twisting in case of asymmetrical loads). Max. 160 N [16 kg]. Steel cable Ø 1.2 mm; pendant length: 5 m; can be shortened with quick adjustment system, ceiling mounting material included.
A distance of approx. 1.5 m between two clamps is recommended.

Available colours (X): 0 = blank, 2 = white, 3 = black

Reference number	Dimensions	
Suspension kit with traverse for 3-circuit tracks		**Price Category 21**
701096.00X	L 120, B 19, H 24, LP 230-5000	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
.Q = Quick service (stock articles)
Further information on technical specifications can be found in the appendix

Clamp unit for grid ceilings





Clamp unit for tracks: 24 mm white with clamp for tracks.
A distance of approx. 1.5 m between two clamps is recommended.

Available colours: 0 = stainless steel, 2 = white, 3 = black

Reference number	Dimensions	
Clamp unit for grid ceilings		**Price Category 21**
981986.002	L 38, B 28, H 21	
981986.003	L 38, B 28, H 21	
981986.100	L 38, B 28, H 21	

Ceiling mount for 3-circuit tracks

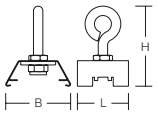




Aluminium, raw. A distance of 1.5 m between two suspensions is recommended.

Reference number	Dimensions	
Ceiling mount for 3-circuit tracks		**Price Category 21**
701074.000	L 31, B 35, H 15	

Clip with eye ring





Clamp fastening system for tracks, with M6 eye ring.
A distance of 1.5 m between two suspensions is recommended.

Available colour: 0 = stainless steel

Reference number	Dimensions	
Clip with eye ring		**Price Category 21**
701094.000	L 30, B 37, H 42	

Hanging clamp for 3-circuit tracks



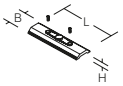


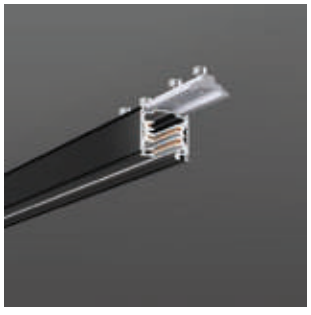
Metal, galvanised. A distance of 1.5 m between two suspensions is recommended.

Available colour: 4 = silver coloured

Reference number	Dimensions	
Hanging clamp for 3-circuit tracks		**Price Category 21**
701091.004	L 24, B 32, H 38	

Mechanical connection plate for 3-circuit tracks





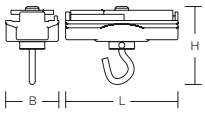
Aluminium, raw. 4 thread M5.

Available colour: 4 = silver coloured

Reference number	Dimensions	
Mechanical connection plate for 3-circuit tracks		**Price Category 21**
701072.004	L 120, B 31, H 17	



Decorative hook for 3-circuit tracks



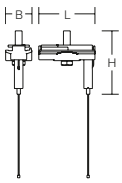
Aluminium, painted, track-mounting. F max. 100 N [10 kg].

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Recessed height (He): 37 mm		**Price Category 21**
701076.00X	L 66, B 32, H 38	



Mechanical adaptor with steel cable quick mount for 3-circuit tracks



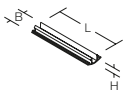
Aluminium, painted; track mounting; mechanical adaptor for easy installation of steel cable D 1.2 mm. 2 m steel cable included, F max. 100 N [10 kg].

Available colours (X): 2 = white, 3 = black, 4 = silver coloured

Reference number	Dimensions	
Mechanical adaptor with steel cable quick mount for 3-circuit tracks		**Price Category 21**
701093.00X	L 66, B 32, H 75	



Cover for 3-circuit tracks



Plastic track cover, length: 1 m.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	
Cover for 3-circuit tracks		**Price Category 21**
701075.00X	L 1000, B 18, H 10	



Multi adaptor with Schukoplug socket for 3-circuit tracks

Protection Class: I

Multi adaptor for 3-circuit tracks of all known brands, plastic, max. 10 A / 250 V ~. Rotatable circuit selector with circuit breaker and mechanical lock; with Schukoplug socket; only for lighting or lighting accessories.

Available colour: 2 = white

Reference number	Dimensions	
Multi adaptor with Schukoplug socket for 3-circuit tracks		**Price Category 21**
70316.002	L 90, B 57, H 73	



Multi adaptor for 3-circuit tracks

Protection Class: I

For all known brands. Plastic. max. 6 A/250 V~, F max. 50 N [5 kg]. Rotatable circuit selector with circuit breaker and mechanical lock.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions	
Recessed height (He): 19 mm		**Price Category 21**
701035.00X	L 70, B 35, H 51	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
.Q = Quick service (stock articles)
Further information on technical specifications can be found in the appendix

Multi adaptor for 3-circuit tracks



Protection Class: I

Multi adaptor for 3-circuit tracks for all known brands. Plastic. max. 10 A/250 V~,
F max. 100 N [10 kg]. Rotatable circuit selector with circuit breaker and mechanical lock.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions	
Recessed height (He): 33 mm		**Price Category 21**
70318.00X	L 85, B 32, H 63	

Aluminium holder for multi adaptor



With M10x1 thread. Thread length: 12 mm

Available colours (X): 3 = black, 4 = aluminium

Reference number	Dimensions	
Aluminium holder for multi adaptor		**Price Category 21**
70349	aluminium	
70349.003	black	

Strain relief for multi adaptor and 3-phase DALI adaptor



Plastic

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	
Recessed height (He): 30 mm		**Price Category 21**
70875.00X	D 27, H 33	

Point outlet for 3-circuit multi adaptor



Type of Protection: IP 20
Protection Class: I

Housing: plastic. Cable inlets: break-off (one inlet on the side, three on the back).
250 V/10 A, F max. 50 N [5 kg].

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions	
Surface mounted point outlet		**Price Category 21**
70319.00X	D 100, H 32	

Recessed socket for point outlet



Type of Protection: IP 20

Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions	
Recessed socket		**Price Category 21**
Ceiling cut out DA 105 mm, TE 60 mm		
70360.002	D 130, H 60, HE 60	



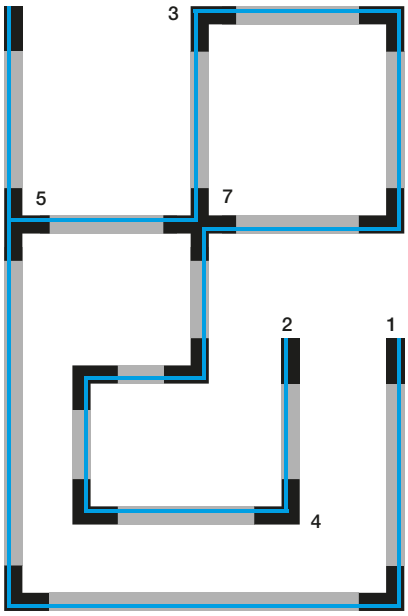
3-CIRCUIT DALI TRACKS

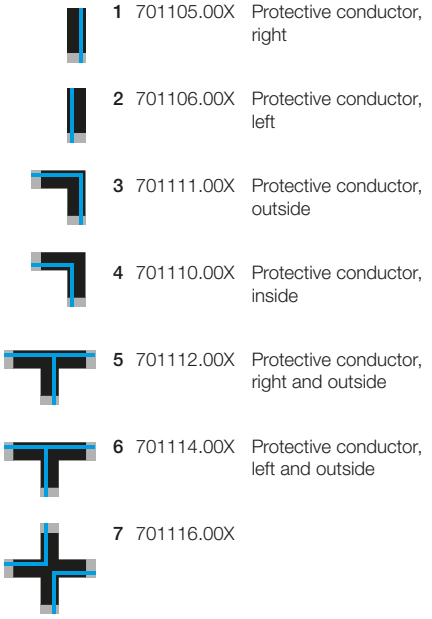
Tracks

- 3-circuit track with integral DALI bus
- 3-circuit track system for track mounted DALI spot-lights with additional data-bus function for energy savings and dynamic lighting
- Huge variety of accessories for most flexible track layouts
- Recessed and surface-mounted versions available
- Suitable also for standard 3-circuit adaptors

Planning example for surface-mounted 3-circuit DALI tracks

(View from below of the ceiling-mounted system.)





1 701105.00X Protective conductor, right

2 701106.00X Protective conductor, left

3 701111.00X Protective conductor, outside

4 701110.00X Protective conductor, inside

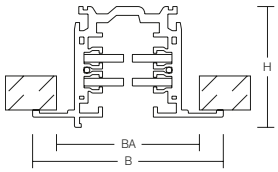
5 701112.00X Protective conductor, right and outside

6 701114.00X Protective conductor, left and outside

7 701116.00X

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Tracks | Recessed 3-circuit DALI tracks





Type of Protection: IP 20
Protection Class: I

Aluminium extrusion profile, painted. Tracks can be cut to any required length. May be used within hand's reach. Integral added twin-pole DALI bus leads. Power supply conductors 16 A / 400 V. DALI bus conductors 2x1 A / 50 V AC.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Recessed tracks (track wings)	**Price Category 21**
Ceiling cut out width (BA) 42 mm	
Length 1000 mm	
701101.00X	L 1000, B 56, H 36
Length 2000 mm	
701102.00X	L 2000, B 56, H 36
Length 3000 mm	
701103.00X	L 3000, B 56, H 36
Length 4000 mm	
701104.00X	L 4000, B 56, H 36

Cover for recessed 3-circuit DALI tracks (DALI track wings)



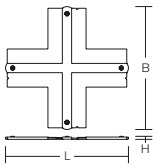


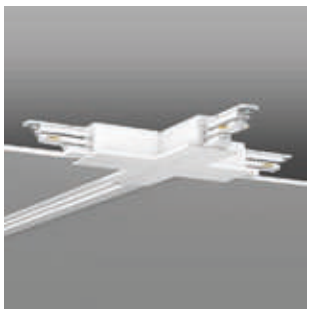
Plastic, for live end feed and alternative live feed (break-off point for universal use).

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Cover for recessed 3-circuit DALI tracks (DALI track wings)	**Price Category 21**
701117.00X	L 181, B 56, H 4

Cover for recessed 3-circuit DALI tracks (DALI track wings)





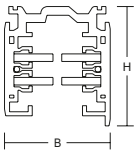
Plastic, for angled, cross and T couplings (break-off point for universal use)

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Cover for recessed 3-circuit DALI tracks (DALI track wings)	**Price Category 21**
701118.00X	L 181, B 181, H 4



Tracks | 3-circuit DALI tracks

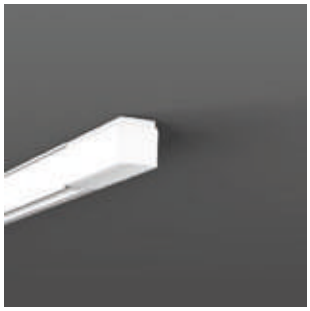


Type of Protection: IP 20
Protection Class: I

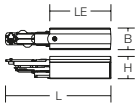
Aluminium extrusion profile, painted. Tracks can be cut to any required length. May be used within hand's reach. Integral added twin-pole DALI bus leads. Power supply conductors 16 A / 400 V. DALI bus conductors 2 x 1 A / 50 V FELV AC.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Surface mounted tracks	**Price Category 21**
Length 1000 mm	
701097.00X	L 1000, B 32, H 36
Length 2000 mm	
701098.00X	L 2000, B 32, H 36
Length 3000 mm	
701099.00X	L 3000, B 32, H 36
Length 4000 mm	
701100.00X	L 4000, B 32, H 36



Live end feed for 3-circuit DALI tracks



Type of Protection: IP 20
Protection Class: I

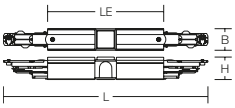
Plastic

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Recessed length (Le): 90 mm	**Price Category 21**
Protective conductor, left	
701106.00X	L 120, B 32, H 66
Protective conductor, right	
701105.00X	L 120, B 32, H 66



Alternative live feed for 3-circuit DALI tracks



Type of Protection: IP 20
Protection Class: I

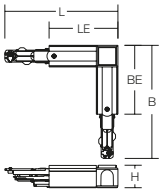
Plastic

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Recessed length (Le): 170 mm	**Price Category 21**
701107.00X	L 200, B 32, H 33



90° angle coupling for 3-circuit DALI tracks



Type of Protection: IP 20
Protection Class: I

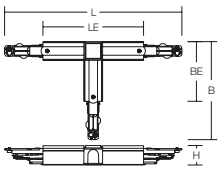
Plastic, with live feed

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Recessed length (Le): 100 mm, Be 100 mm	**Price Category 21**
Protective conductor, outside	
701111.00X	L 120, B 120, H 33
Protective conductor, inside	
701110.00X	L 120, B 120, H 33

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
.Q = Quick service (stock articles)
Further information on technical specifications can be found in the appendix

T-coupling for 3-circuit DALI tracks





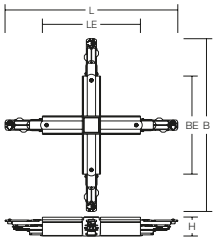
Type of Protection: IP 20
Protection Class: I

Plastic, with live feed

Available colours (X): 2 = white, 3 = black, 9 = window grey

Reference number	Dimensions	
Recessed length (Le): 170 mm, Be 100 mm		**Price Category 21**
Protective conductor, left and outside		
701114.00X	L 200, B 120, H 33	
Protective conductor, left and inside		
701113.00X	L 200, B 120, H 33	
Protective conductor, right and outside		
701112.00X	L 200, B 120, H 33	
Protective conductor, right and inside		
701115.00X	L 200, B 120, H 33	

Cross coupling for 3-circuit DALI tracks





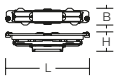
Type of Protection: IP 20
Protection Class: I

Plastic, with live feed

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions	
Recessed length (Le): 170 mm, Be 170 mm		**Price Category 21**
701116.00X	L 200, B 200, H 33	

Electric coupling, straight, for 3-circuit DALI tracks





Type of Protection: IP 20
Protection Class: I

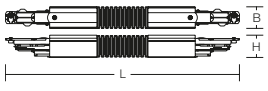
Plastic, gapless

Coupling for electrical and mechanical connection.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions	
Recessed length (Le): 0 mm		**Price Category 21**
701108.00X	L 85, B 20, H 26	

Flexible coupling for 3-circuit DALI tracks





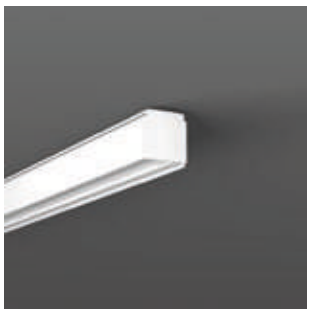
Type of Protection: IP 20
Protection Class: I

Plastic. Rotation and swivel range: ± 180°, horizontal and vertical, infinite.

Suitable for surface-mounted tracks.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions	
Recessed length (Le): 215 mm		**Price Category 21**
701109.00X	L 260, B 32, H 33	



End cap for 3-circuit DALI tracks



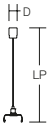
Plastic

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions
Recessed length (Le): 3 mm	**Price Category 21**
70337.00X	L 35, B 33, H 33



Suspension kit for 3-circuit DALI tracks



Suspension Length: 100-5000 mm

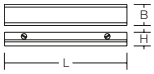
Suspension set with clamps for DALI-track mounting; max. 160 N [16 kg]. Steel cable Ø 1.2 mm; pendant length: 5 m; can be shortened with quick adjustment system, ceiling mounting material included.
A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 0 = stainless steel, 2 = white, 3 = black

Reference number	Dimensions
Suspension kit for 3-circuit DALI tracks	**Price Category 21**
01-8524.13X	D 12, LP 100-5000



Mechanical connection plate for 3-circuit DALI tracks



Aluminium, raw. 4 thread M5.

Available colours (X): 2 = white, 4 = aluminium

Reference number	Dimensions
Mechanical connection plate for 3-circuit DALI tracks	**Price Category 21**
70354.00X	L 182, B 31, H 20



Ceiling mount for 3-circuit DALI tracks



Aluminium, raw. A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 2 = white, 3 = black, 4 = aluminium

Reference number	Dimensions
Ceiling mount for 3-circuit DALI tracks	**Price Category 21**
70594.00X	L 30, B 32, H 13



Hanging clamp for 3-circuit DALI tracks



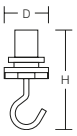
Metal, galvanised. A distance of 1.5 m between two suspensions is recommended.

Available colours (X): 2 = white, 4 = aluminium

Reference number	Dimensions
Hanging clamp for 3-circuit DALI tracks	**Price Category 21**
70351.00X	L 25, B 31, H 39

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
.Q = Quick service (stock articles)
Further information on technical specifications can be found in the appendix

Decorative hook for 3-circuit DALI tracks





White plastic, painted, track-mounting F max. 100 N [10 kg].

Available colour: white

Reference number	Dimensions	
Recessed height (He): 37 mm		**Price Category 21**
70382.000	D 26, H 60	

Bending tool for 3-circuit DALI tracks

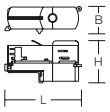


The ends of the copper conductor must be bent inwards when cutting tracks on site in order to ensure an electrical connection.

Available colour: blue

Reference number	Dimensions	
Bending tool for 3-circuit DALI tracks		**Price Category 21**
70348.000	L 133, B 22, H 14	

3-phase DALI adaptor





Protection Class: I

Plastic. max. 10 A/250 V~, F max. 100 N [10 kg]. Selector with circuit breaker and mechanical lock. Only for RZB 3-circuit DALI track.

Available colours (X): 2 = white, 3 = black, 9 = grey

Reference number	Dimensions	
Recessed height (He): 30 mm		**Price Category 21**
701055.01X	L 105, B 39, H 62	

Strain relief for multi adaptor and 3-phase DALI adaptor



Plastic

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	
Recessed height (He): 30 mm		**Price Category 21**
70875.00X	D 27, H 33	

Multi adaptor with Schukoplug socket for 3-circuit tracks



Protection Class: I

Multi adaptor for 3-circuit tracks of all known brands, plastic, max. 10 A / 250 V ~. Rotatable circuit selector with circuit breaker and mechanical lock; with Schukoplug socket; only for lighting or lighting accessories.

Available colour: 2 = white

Reference number	Dimensions	
Multi adaptor with Schukoplug socket for 3-circuit tracks		**Price Category 21**
70316.002	L 90, B 57, H 73	

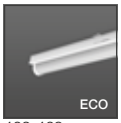


The application image shows:
Planos

© Linus Lintner



462-468



462-468



462-468


469-470

Planos
458-471



PLANOS

Continuous line luminaire

- LED continuous line luminaire system offering intuitive installation and handling
- 1:1 replacement for fluorescent lamps
- Colour rendering index Ra > 80
- LED rated life 50,000 h (L80, B10)
- Mounting track and luminaire inserts can be assembled without use of tools
- Extension modules with projectors and light management accessories
- Continuous and uniform light emission along the entire length (1500 mm LED insert)
- Four different light distribution modes available, depending on requirements
- Can be extended with emergency lighting components
- Operating range: -20°C to +45°C
- Version IP 54:
  ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected
- Suitable for AC/DC operation in accordance with EN 50172
- Also available as an emergency luminaire in accordance with EN 60598-2-22

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



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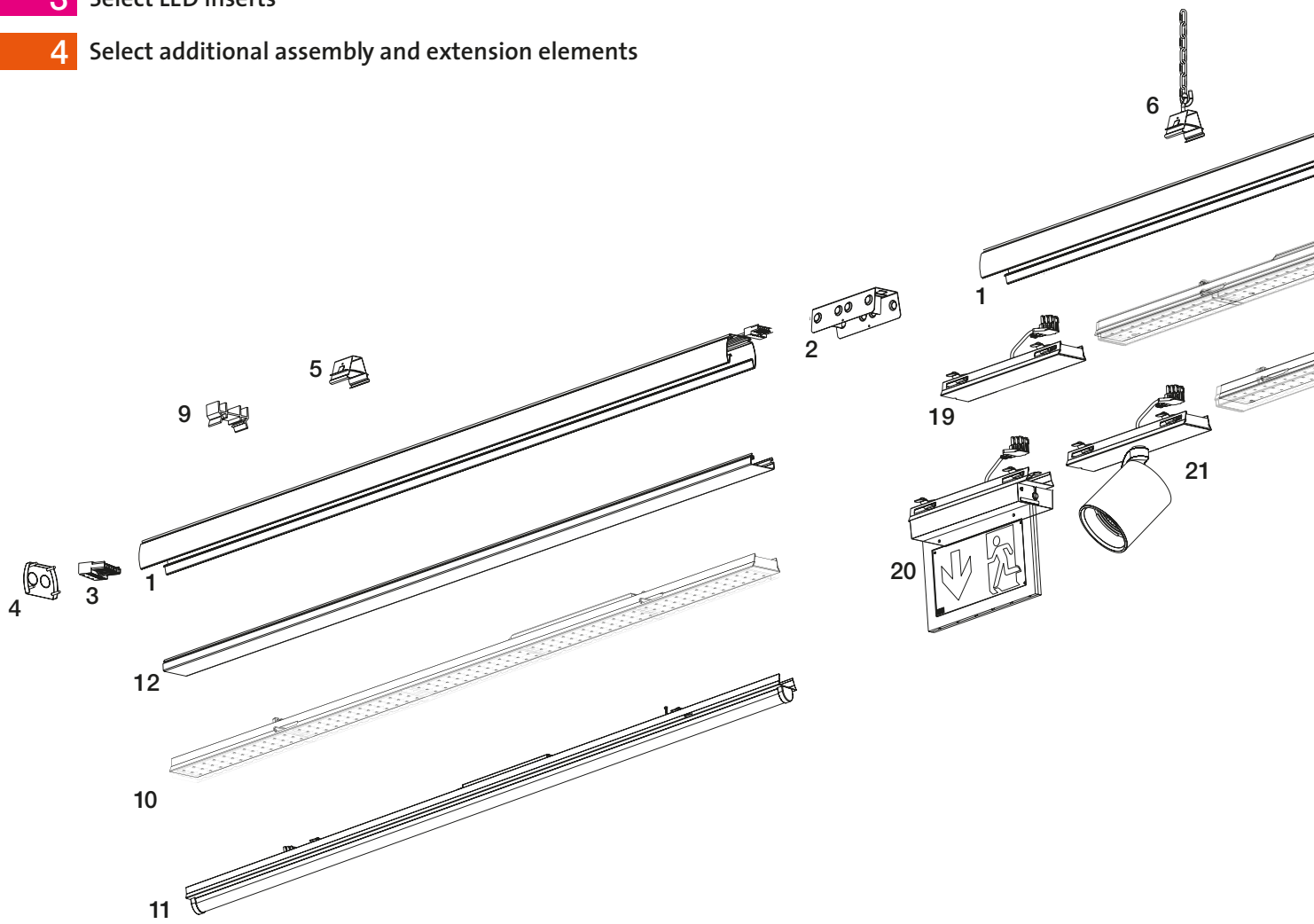
The application image shows:
Planos

PLANOS

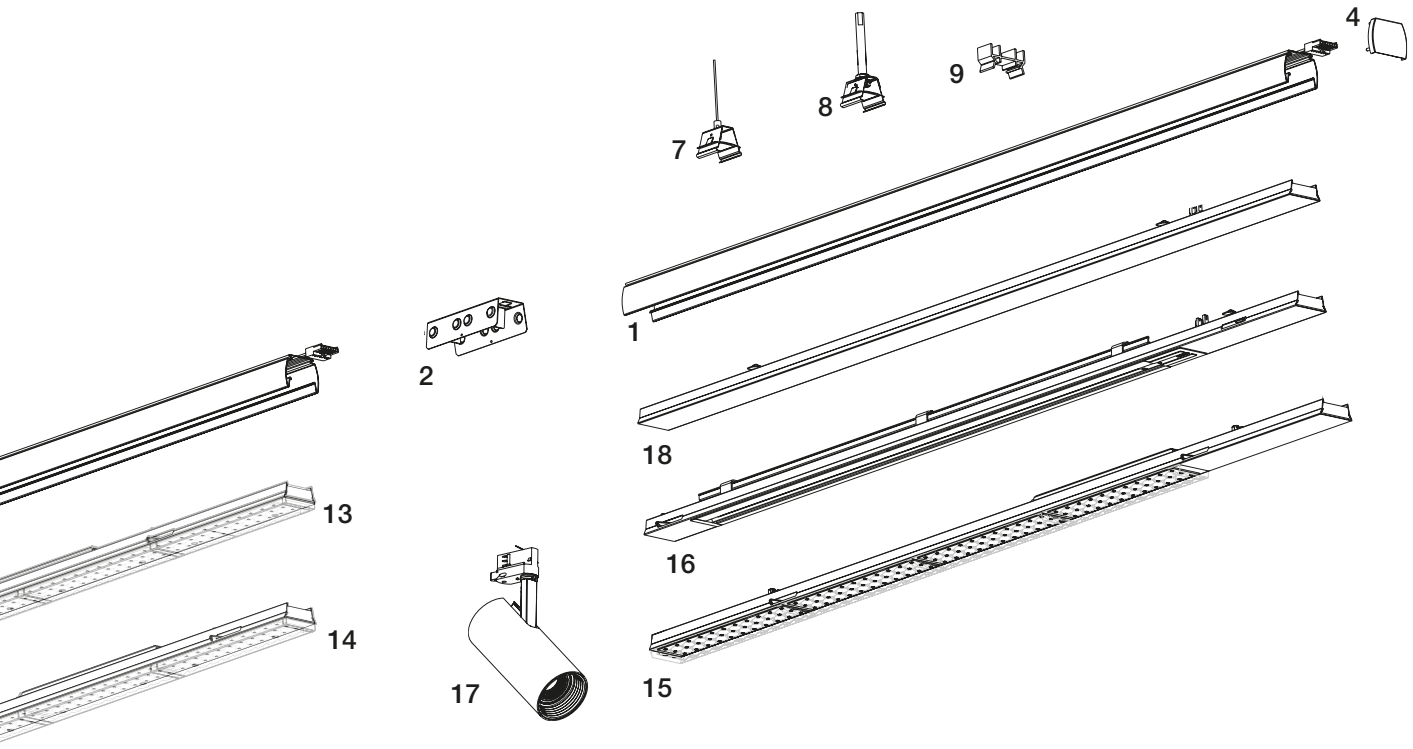
SYSTEM OVERVIEW

Complete continuous line luminaire in just 4 steps

1. Calculate quantity and type of required mounting track segments
2. Select assembly accessories (suspension point ≤ 2,500 mm)
3. Select LED inserts
4. Select additional assembly and extension elements



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



1

1 Mounting track (1,500 mm, 3,000 mm, 4,500 mm)
2 Mounting track connector
3 Feeding plug
4 End cap

2

5 Clip (white) for ceiling installation with M6 thread or drilling for direct mounting
6 Clip with open eye bolt
7 Clip with cable holder
8 Clip for pendant tube (tube not included)
9 Plastic clip-on bracket (white), for routing other cables on the mounting track

3

10 LED insert 5 LED elements (1,500 mm)
wide, narrow, deep wide, asymmetrical and double asymmetrical beam
11 LED insert ECO (1,500 mm)
12 Blind cover can be shortened on site (1,500 mm)
13 LED insert 4 LED elements (1,200 mm) wide beam
14 LED insert 3 LED elements (900 mm) wide beam
15 LED insert 4 LED elements (1,500 mm) wide beam

4

16 Track insert with 3-circuit track (1,500 mm)
17 Sample spotlight with 3-circuit track module
18 LED module with track cover (1,500 mm))
19 LED module with track cover (300 mm)
20 Emergency luminaire module (i.e. GSUN® S)
21 Track insert with projector module (i.e. AVIATO)

1



Mounting track | Planos LED light channel



Mounting track: sheet steel, painted white. Incl. through wiring with plug and sleeve for feeding and routing. One socket for the tapping point and electricity supply for use with L 1,500 mm (standard). Up to 3 sockets available (on request) for each module length.

Available colour: 2 = white

Reference number	Dimensions	
Mounting track		**Price Category 21**
Length L 1500 mm		
925169.002	L 1500, B 69, H 53	5 pole 1,5 mm²
925170.002	L 1500, B 69, H 53	5 pole 2,5 mm²
925171.002	L 1500, B 69, H 53	7 pole 1,5 mm²
925172.002	L 1500, B 69, H 53	7 pole 2,5 mm²
925173.002	L 1500, B 69, H 53	11 pole (7 x 2,5 mm², 4 x 1,5 mm²)
Length L 3000 mm		
925174.002	L 3000, B 69, H 53	5 pole 1,5 mm²
925175.002	L 3000, B 69, H 53	5 pole 2,5 mm²
925176.002	L 3000, B 69, H 53	7 pole 1,5 mm²
925177.002	L 3000, B 69, H 53	7 pole 2,5 mm²
925178.002	L 3000, B 69, H 53	11 pole (7 x 2,5 mm², 4 x 1,5 mm²)
Length L 4500 mm		
925179.002	L 4500, B 69, H 53	5 pole 1,5 mm²
925180.002	L 4500, B 69, H 53	5 pole 2,5 mm²
925181.002	L 4500, B 69, H 53	7 pole 1,5 mm²
925182.002	L 4500, B 69, H 53	7 pole 2,5 mm²
925183.002	L 4500, B 69, H 53	11 pole (7 x 2,5 mm², 4 x 1,5 mm²)

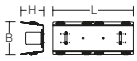
Extra charge for additional electrical sleeve

7-pole ribbon cable	**11-pole ribbon cable**
7 x 1.5 mm² o. 7 x 2.5 mm²	7 x 2.5 mm² + 4 x 1.5 mm²
3 separate power circuits	3 separate power circuits
2 control cables for DALI/BUS signal	2 control cables for DALI/BUS signal
	2 independent emergency lighting circuits

1



Mounting track accessories | Planos LED light channel



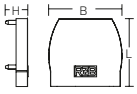
Connector: galvanised metal, for mounting track with rapid action closure.

Reference number	Dimensions	
Connector for mounting track		**Price Category 21**
925188.000	L 160, B 60, H 46	

1



Mounting track accessories | Planos LED light channel

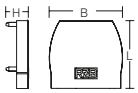


End caps white plastic.

Reference number	Dimensions	
End caps		**Price Category 21**
925184.002	L 72, B 66, H 21	End caps: white plastic

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Mounting track accessories | Planos LED light channel



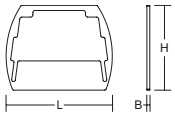
Type of Protection: **IP 54**

End caps white plastic.



Reference number	Dimensions	
End caps		**Price Category 21**
925184.002.1	L 72, B 66, H 21	End caps white plastic. IP 54

Mounting track accessories | Planos LED light channel

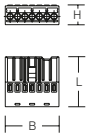


Mounting track seal, necessary only for the version with protection class IP 54.



Reference number	Dimensions	
Mounting track seal		**Price Category 21**
982400.002	L 73, B 58, H 2	white
982400.003	L 73, B 58, H 2	black

Mounting track accessories | Planos LED light channel



5 and 7-pin mounting track
Order power socket white (7-pin).

11-pin mounting track
Order power socket white (7-pin) and additional power socket grey (4-pin).



Reference number	Dimensions	
Power socket		**Price Category 21**
925249.009	L 34, B 37, H 14	4-pin grey
925248.002	L 34, B 39, H 18	7 pole white

2



Installation accessories | Planos LED light channel



Sliding claw: powder coated/galvanised sheet steel, for installing single mounting track modules.
Recommended mounting distance: approx. 2.5 m

Available colour: 2 = white

Reference number	Dimensions	
Connector for mounting track		**Price Category 21**
925189.002	L 57, B 54, H 43	for installation straight onto the ceiling, with M6 thread to accommodate a caddy clip
925191.002	L 57, B 54, H 43	for installation straight onto the ceiling, with drilling
925193.002	L 57, B 54, H 43	with centre hole, optional pendant mounting
925192.002	L 57, B 54, H 66	with wire cable holder, without cable
925241.002	L 57, B 54, H 66, LP 1500	With wire cable holder , including 1.5m wire cable
925242.002	L 57, B 54, H 66, LP 1500	With wire cable holder , including 1.5m wire cable and caddy clip
925194.002	L 57, B 54, H 85	with open eye ring, adjustable, optional chain/cable suspension
925240.002	L 57, B 54, H 85, LP 1500	With open eye ring, adjustable in height and direction, including 1.5m knotted chain
925190.002	L 60, B 54, H 20	for installation straight onto the ceiling, with M6 thread


925189.002


925190.002


925191.002


925192.002


925193.002


925194.002


925240.002

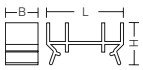

925241.002


925242.002

2



Installation accessories | Planos LED light channel



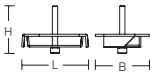
Clip-on bracket white plastic, for routing other cables on the mounting track.

Reference number	Dimensions	
Clip-on bracket		**Price Category 21**
925187.002	L 71, B 30, H 42	Clip-on bracket: white plastic, for routing other cables on the mounting track

2



Installation accessories | Planos LED light channel



Installation kit for mounting third-party luminaires on the mounting track.

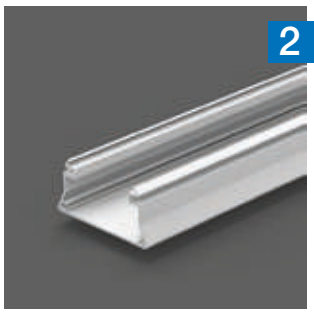
Reference number	Dimensions	
With installation kit		**Price Category 21**
982237.000	L 61, B 51, H 33	Installation kit for third-party luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Installation accessories | Planos LED light channel

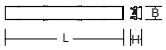


Blanking cover white plastic.



Reference number	Dimensions		
Blanking cover IP 20			**Price Category 21**
925186.002	L 1500, B 56, H 26	Blind cover: white plastic	

Installation accessories | Planos LED light channel



Blanking cover white sheet steel

Necessary for the version with protection class IP 54.



Reference number	Dimensions		
Blanking cover IP 54			**Price Category 21**
925382.002	L 1499, B 66, H 55	Blanking cover white sheet steel	



The application image shows:
Planos continuous line luminaire in commercial use

3



LED insert | Planos LED IP 20



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

LED light channel module for mounting tracks with three-row lens system. LED cover provided by plastic (PMMA) panel with integrated three-row lens system. Freely adjustable phase setting (L1, L2, L3) on gear compartment. Standard version with 3-pin connecting terminal. For DALI version with 5-pin connecting terminal.

Available colour: 2 = white

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 49 W T16 (53 W EB)
1 x 58 W T26 (67 W CB)

LED 29 W ≈
1 x 80 W T16 (86 W EB)
2 x 36 W T26 (86 W CB)

LED 49 W ≈
2 x 49 W T16 (106 W EB)
2 x 58 W T26 (134 W CB)

LED 62 W ≈
2 x 80 W T16 (172 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
LED light channel module									**Price Category 21**
Wide beam light distribution									
925161.002	L 1500, B 70, H 51	LED	840	3950 lm	25 W	106°/109°	21,3	on/off	A+
925161.002.76	L 1500, B 70, H 51	LED	840	3950 lm	25 W	106°/109°	21,3	DALI	A+
925162.002	L 1500, B 70, H 51	LED	840	5000 lm	29 W	106°/109°	21,9	on/off	A+
925162.002.76	L 1500, B 70, H 51	LED	840	5000 lm	29 W	106°/109°	21,9	DALI	A+
925230.002	L 1500, B 70, H 51	LED	840	7850 lm	49 W	106°/109°	23,5	on/off	A+
925230.002.76	L 1500, B 70, H 51	LED	840	7850 lm	49 W	106°/109°	23,5	DALI	A+
925164.002	L 1500, B 70, H 51	LED	840	9500 lm	62 W	106°/109°	24,2	on/off	A+
925164.002.76	L 1500, B 70, H 51	LED	840	9500 lm	62 W	106°/109°	24,2	DALI	A+
Narrow beam light distribution									
925165.002	L 1500, B 70, H 51	LED	840	4000 lm	25 W	29°/29°	11,0	on/off	A+
925165.002.76	L 1500, B 70, H 51	LED	840	4000 lm	25 W	29°/29°	11,0	DALI	A+
925166.002	L 1500, B 70, H 51	LED	840	5050 lm	29 W	29°/29°	11,7	on/off	A+
925166.002.76	L 1500, B 70, H 51	LED	840	5050 lm	29 W	29°/29°	11,7	DALI	A+
925229.002	L 1500, B 70, H 51	LED	840	7700 lm	49 W	29°/29°	13,2	on/off	A+
925229.002.76	L 1500, B 70, H 51	LED	840	7700 lm	49 W	29°/29°	13,2	DALI	A+
925168.002	L 1500, B 70, H 51	LED	840	9500 lm	62 W	29°/29°	14,0	on/off	A+
925168.002.76	L 1500, B 70, H 51	LED	840	9500 lm	62 W	29°/29°	14,0	DALI	A+
Asymmetrical light distribution									
925153.002	L 1500, B 70, H 51	LED	840	3850 lm	25 W	32°/0°/22°/23°	18,4	on/off	A+
925153.002.76	L 1500, B 70, H 51	LED	840	3850 lm	25 W	32°/0°/22°/23°	18,4	DALI	A+
925154.002	L 1500, B 70, H 51	LED	840	4900 lm	29 W	32°/0°/22°/23°	19,0	on/off	A+
925154.002.76	L 1500, B 70, H 51	LED	840	4900 lm	29 W	32°/0°/22°/23°	19,0	DALI	A+
925227.002	L 1500, B 70, H 51	LED	840	7650 lm	49 W	32°/0°/22°/23°	20,7	on/off	A+
925227.002.76	L 1500, B 70, H 51	LED	840	7650 lm	49 W	32°/0°/22°/23°	20,7	DALI	A+
925156.002	L 1500, B 70, H 51	LED	840	9250 lm	62 W	32°/0°/22°/23°	21,3	on/off	A+
925156.002.76	L 1500, B 70, H 51	LED	840	9250 lm	62 W	32°/0°/22°/23°	21,3	DALI	A+
Double asymmetrical light distribution									
925157.002	L 1500, B 70, H 51	LED	840	3900 lm	25 W	37°/36°/44°/42°	18,7	on/off	A+
925157.002.76	L 1500, B 70, H 51	LED	840	3900 lm	25 W	37°/36°/44°/42°	18,7	DALI	A+
925158.002	L 1500, B 70, H 51	LED	840	4950 lm	29 W	37°/36°/44°/42°	19,3	on/off	A+
925158.002.76	L 1500, B 70, H 51	LED	840	4950 lm	29 W	37°/36°/44°/42°	19,3	DALI	A+
925228.002	L 1500, B 70, H 51	LED	840	7700 lm	49 W	72°/85°	21,1	on/off	A+
925228.002.76	L 1500, B 70, H 51	LED	840	7700 lm	49 W	72°/85°	21,1	DALI	A+
925160.002	L 1500, B 70, H 51	LED	840	9300 lm	62 W	37°/36°/44°/42°	21,6	on/off	A+
925160.002.76	L 1500, B 70, H 51	LED	840	9300 lm	62 W	37°/36°/44°/42°	21,6	DALI	A+

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
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LED insert | Planos LED ECO



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

LED light channel insert for mounting tracks. LED cover plastic (PMMA), semi-circular opal. Freely adjustable phase setting (L1, L2, L3) on gear compartment. Standard version with 3-pin connecting terminal. For DALI version with 5-pin connecting terminal.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
LED light channel module									**Price Category 21**
Wide beam light distribution									
925313.002	L 1500, B 70, H 51	LED	840	4100 lm	28 W	179°/108°	26,9	on/off	A++
925313.002.76	L 1500, B 70, H 51	LED	840	4100 lm	28 W	179°/108°	26,9	DALI	A++
925314.002	L 1500, B 70, H 51	LED	840	4500 lm	31 W	179°/108°	27,2	on/off	A++
925314.002.76	L 1500, B 70, H 51	LED	840	4500 lm	31 W	179°/108°	27,2	DALI	A++
925315.002	L 1500, B 70, H 51	LED	840	5600 lm	39 W	179°/108°	28,0	on/off	A++
925315.002.76	L 1500, B 70, H 51	LED	840	5600 lm	39 W	179°/108°	28,0	DALI	A++

Comparison
LED vs. conventional lamps

LED 28 W ≈
1 x 54 W T16 (58 W EB)
1 x 58 W T26 (67 W CB)

LED 31 W ≈
1 x 54 W T16 (58 W EB)
2 x 36 W T26 (86 W CB)

LED 39 W ≈
1 x 80 W T16 (86 W EB)
2 x 36 W T26 (86 W CB)

LED insert | Planos LED IP 54



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

LED light channel module for mounting tracks with three-row lens system. LED cover provided by plastic (PMMA) panel with integrated three-row lens system. Freely adjustable phase setting (L1, L2, L3) on gear compartment. Standard version with 3-pin connecting terminal. For DALI version with 5-pin connecting terminal.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
LED light channel module									**Price Category 21**
Wide beam light distribution									
925383.002	L 1500, B 70, H 51	LED	840	4000 lm	25 W	91°/91°	18,9	on/off	A+
925383.002.76	L 1500, B 70, H 51	LED	840	4000 lm	25 W	91°/91°	18,9	DALI	A+
925384.002	L 1500, B 70, H 51	LED	840	5050 lm	29 W	91°/92°	19,4	on/off	A+
925384.002.76	L 1500, B 70, H 51	LED	840	5050 lm	29 W	91°/92°	19,4	DALI	A+
925386.002	L 1500, B 70, H 51	LED	840	7700 lm	49 W	90°/91°	21,1	on/off	A+
925386.002.76	L 1500, B 70, H 51	LED	840	7700 lm	49 W	90°/91°	21,1	DALI	A+
925387.002	L 1500, B 70, H 51	LED	840	9500 lm	62 W	91°/92°	21,8	on/off	A+
925387.002.76	L 1500, B 70, H 51	LED	840	9500 lm	62 W	91°/92°	21,8	DALI	A+
Light distribution deep-wide beam									
925254.002	L 1500, B 70, H 51	LED	840	4000 lm	25 W	61°/59°	17,5	on/off	A+
925254.002.76	L 1500, B 70, H 51	LED	840	4000 lm	25 W	61°/59°	17,5	DALI	A+
925255.002	L 1500, B 70, H 51	LED	840	5050 lm	29 W	61°/59°	18,1	on/off	A+
925255.002.76	L 1500, B 70, H 51	LED	840	5050 lm	29 W	61°/59°	18,1	DALI	A+
925257.002	L 1500, B 70, H 51	LED	840	7700 lm	49 W	61°/59°	19,6	on/off	A+
925257.002.76	L 1500, B 70, H 51	LED	840	7700 lm	49 W	61°/59°	19,6	DALI	A+
925258.002	L 1500, B 70, H 51	LED	840	9500 lm	62 W	61°/59°	20,4	on/off	A+
925258.002.76	L 1500, B 70, H 51	LED	840	9500 lm	62 W	61°/59°	20,4	DALI	A+

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 49 W T16 (53 W EB)
1 x 58 W T26 (67 W CB)

LED 29 W ≈
1 x 80 W T16 (86 W EB)
2 x 36 W T26 (86 W CB)

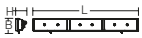
LED 49 W ≈
2 x 49 W T16 (106 W EB)
2 x 58 W T26 (134 W CB)

LED 62 W ≈
2 x 80 W T16 (172 W EB)

4



Continuous line luminaire module | Planos LED continuous line luminaire



Type of Protection: IP 20
Protection Class: I

LED module as an installation and additional element for mounting tracks. Versions with triple-row lens system on full length or part lengths with empty unit. PMMA LED cover for mounting tracks with integrated triple-row lens system. Freely adjustable phase setting (L1, L2, L3) on gear compartment. With 3-pole connecting terminal. For DALI version with 5-pin connecting terminal.

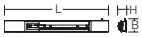
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Continuous line luminaire installation and additional elements									**Price Category 21**
Wide beam light distribution									
925205.002	L 900, B 70, H 51	LED	840	4100 lm	26 W	106°/109°	23,4	on/off	A+
925206.002	L 1200, B 70, H 51	LED	840	4000 lm	26 W	106°/109°	22,3	on/off	A+
925206.002.76	L 1200, B 70, H 51	LED	840	4000 lm	26 W	106°/109°	22,3	DALI	A+
925207.002	L 1500, B 70, H 51	LED	840	4000 lm	26 W	106°/109°	22,3	on/off	A+
925207.002.76	L 1500, B 70, H 51	LED	840	4000 lm	26 W	106°/109°	22,3	DALI	A+
925231.002	L 1500, B 70, H 51	LED	840	4100 lm	26 W	106°/109°	23,4	on/off	A+
925231.002.76	L 1500, B 70, H 60	LED	840	4100 lm	26 W	106°/109°	23,4	DALI	A+

4



Continuous line luminaire module | Planos LED continuous line luminaire



LED insert as an installation and additional element for mounting tracks. Version including 3 circuit track (1 m) for the installation of external projectors with multi adaptor for 3 circuit tracks 230 V. With 5-pole connecting terminal.

Reference number	Dimensions	
Continuous line luminaire installation and additional elements		**Price Category 21**
Light channel module with 3-phase track		
925208.002	L 1500, B 69, H 53	Light channel module with 3-phase track

4



Continuous line luminaire module | Planos LED continuous line luminaire



Type of Protection: IP 20
Protection Class: I

LED module as an installation and additional element for mounting tracks. Module in part length including projectors from the AVIATO Series. Freely adjustable phase setting (L1, L2, L3) on luminaire insert with variable power cable (length 450 mm)for the tapping point on the mounting track. With 3-pole connecting terminal.

Additional RZB spotlights available on request.

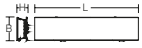
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Continuous line luminaire installation and additional elements								**Price Category 21**
Light channel module with projector								
925233.002	L 600, B 106, H 215	LED	840	3350 lm	36 W	24°	on/off	A+

4



Continuous line luminaire module | Planos LED continuous line luminaire



LED insert as an installation and additional element for mounting tracks. Version with empty profile offering the potential for the installation of external projectors or light management components. Freely adjustable phase setting (L1, L2, L3) on luminaire insert with variable power cable (450 mm) for sections with tapping points on the mounting track. With 3-pole connecting terminal.

Reference number	Dimensions	
Continuous line luminaire installation and additional elements		**Price Category 21**
Light channel module with empty profile		
925209.002	L 300, B 69, H 53	Empty module L = 300 mm for projectors or other components. With variable power cable L=450 mm.
925210.002	L 600, B 69, H 53	Empty module L = 600 mm for projectors or other components. With variable power cable L=450 mm.
925211.002	L 1500, B 69, H 53	Empty module L = 1500 mm for projectors or components of a light management system.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | LED (1) = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

LED continuous line luminaire | Planos LED IP 20





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

LED light channel luminaire with three-row lens system. Complete unit consisting of: mounting track, gear compartment, 5 conductor 1.5 mm² wiring and accessories. LED cover provided by plastic (PMMA) panel with integrated three-row lens system. Freely adjustable phase setting (L1, L2, L3) on gear compartment. Standard version with 3-pin connecting terminal. For DALI version with 5-pin connecting terminal. LED drivers are suitable for emergency lighting systems in accordance with IEC60598-2-22. Incl. mounting claw for suspension chain/cable. Other installation accessories must be ordered separately.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
LED light channel luminaire									**Price Category 21**
Wide beam light distribution									
925145.002	L 1500, B 70, H 70	LED	840	3950 lm	25 W	106°/109°	21,3	on/off	A+
925145.002.76	L 1500, B 70, H 70	LED	840	3950 lm	25 W	106°/109°	21,3	DALI	A+
925146.002	L 1500, B 70, H 70	LED	840	5000 lm	29 W	106°/109°	21,9	on/off	A+
925146.002.76	L 1500, B 70, H 70	LED	840	5000 lm	29 W	106°/109°	21,9	DALI	A+
925226.002	L 1500, B 70, H 70	LED	840	7850 lm	49 W	106°/109°	23,5	on/off	A+
925226.002.76	L 1500, B 70, H 70	LED	840	7850 lm	49 W	106°/109°	23,5	DALI	A+
925148.002	L 1500, B 70, H 70	LED	840	9500 lm	62 W	106°/109°	24,2	on/off	A+
925148.002.76	L 1500, B 70, H 70	LED	840	9500 lm	62 W	106°/109°	24,2	DALI	A+
Narrow beam light distribution									
925149.002	L 1500, B 70, H 70	LED	840	4000 lm	25 W	29°/29°	11,0	on/off	A+
925149.002.76	L 1500, B 70, H 70	LED	840	4000 lm	25 W	29°/29°	11,0	DALI	A+
925150.002	L 1500, B 70, H 70	LED	840	5050 lm	29 W	29°/29°	11,7	on/off	A+
925150.002.76	L 1500, B 70, H 70	LED	840	5050 lm	29 W	29°/29°	11,7	DALI	A+
925225.002	L 1500, B 70, H 70	LED	840	7700 lm	49 W	29°/29°	13,2	on/off	A+
925225.002.76	L 1500, B 70, H 70	LED	840	7700 lm	49 W	29°/29°	13,2	DALI	A+
925152.002	L 1500, B 70, H 70	LED	840	9500 lm	62 W	29°/29°	14,0	on/off	A+
925152.002.76	L 1500, B 70, H 70	LED	840	9500 lm	62 W	29°/29°	14,0	DALI	A+
Asymmetrical light distribution									
925137.002	L 1500, B 70, H 70	LED	840	3850 lm	25 W	32°/0°/22°/23°	18,4	on/off	A+
925137.002.76	L 1500, B 70, H 70	LED	840	3850 lm	25 W	32°/0°/22°/23°	18,4	DALI	A+
925138.002	L 1500, B 70, H 70	LED	840	4900 lm	29 W	32°/0°/22°/23°	19,0	on/off	A+
925138.002.76	L 1500, B 70, H 70	LED	840	4900 lm	29 W	32°/0°/22°/23°	19,0	DALI	A+
925223.002	L 1500, B 70, H 70	LED	840	7650 lm	49 W	32°/0°/22°/23°	20,7	on/off	A+
925223.002.76	L 1500, B 70, H 70	LED	840	7650 lm	49 W	32°/0°/22°/23°	20,7	DALI	A+
925140.002	L 1500, B 70, H 70	LED	840	9250 lm	62 W	32°/0°/22°/23°	21,3	on/off	A+
925140.002.76	L 1500, B 70, H 70	LED	840	9250 lm	62 W	32°/0°/22°/23°	21,3	DALI	A+
Double asymmetrical light distribution									
925141.002	L 1500, B 70, H 70	LED	840	3900 lm	25 W	37°/36°/44°/42°	18,7	on/off	A+
925141.002.76	L 1500, B 70, H 70	LED	840	3900 lm	25 W	37°/36°/44°/42°	18,7	DALI	A+
925142.002	L 1500, B 70, H 70	LED	840	4950 lm	29 W	37°/36°/44°/42°	19,3	on/off	A+
925142.002.76	L 1500, B 70, H 70	LED	840	4950 lm	29 W	37°/36°/44°/42°	19,3	DALI	A+
925224.002	L 1500, B 70, H 70	LED	840	7700 lm	49 W	72°/85°	21,1	on/off	A+
925224.002.76	L 1500, B 70, H 70	LED	840	7700 lm	49 W	72°/85°	21,1	DALI	A+
925144.002	L 1500, B 70, H 70	LED	840	9300 lm	62 W	37°/36°/44°/42°	21,6	on/off	A+
925144.002.76	L 1500, B 70, H 70	LED	840	9300 lm	62 W	37°/36°/44°/42°	21,6	DALI	A+

Comparison LED vs. conventional lamps

LED 25 W ≈
1 x 49 W T16 (53 W EB)
1 x 58 W T26 (67 W CB)

LED 29 W ≈
1 x 80 W T16 (86 W EB)
2 x 36 W T26 (86 W CB)

LED 49 W ≈
2 x 49 W T16 (106 W EB)
2 x 58 W T26 (134 W CB)

LED 62 W ≈
2 x 80 W T16 (172 W EB)



LED continuous line luminaire | Planos LED IP 54



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

LED light channel luminaire with three-row lens system. Complete unit consisting of: mounting track, gear compartment, 5 conductor 1.5 mm² wiring and accessories. LED cover provided by plastic (PMMA) panel with integrated three-row lens system. Freely adjustable phase setting (L1, L2, L3) on gear compartment. Standard version with 3-pin connecting terminal. For DALI version with 5-pin connecting terminal. LED drivers are suitable for emergency lighting systems in accordance with IEC60598-2-22. Incl. mounting claw for suspension chain/cable. Other installation accessories must be ordered separately.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.

Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 25 W ≈
1 x 49 W T16 (53 W EB)
1 x 58 W T26 (67 W CB)

LED 29 W ≈
1 x 80 W T16 (86 W EB)
2 x 36 W T26 (86 W CB)

LED 49 W ≈
2 x 49 W T16 (106 W EB)
2 x 58 W T26 (134 W CB)

LED 62 W ≈
2 x 80 W T16 (172 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
LED light channel luminaire									**Price Category 21**
Light distribution deep-wide beam									
925259.002	L 1500, B 70, H 70	LED	840	4000 lm	25 W	61°/59°	16,7	on/off	A+
925259.002.76	L 1500, B 70, H 70	LED	840	4000 lm	25 W	61°/59°	16,7	DALI	A+
925260.002	L 1500, B 70, H 70	LED	840	5050 lm	29 W	61°/59°	17,3	on/off	A+
925260.002.76	L 1500, B 70, H 70	LED	840	5050 lm	29 W	61°/59°	17,3	DALI	A+
925262.002	L 1500, B 70, H 70	LED	840	7700 lm	49 W	61°/59°	18,9	on/off	A+
925262.002.76	L 1500, B 70, H 70	LED	840	7700 lm	49 W	61°/59°	18,9	DALI	A+
925263.002	L 1500, B 70, H 70	LED	840	9500 lm	62 W	61°/59°	19,6	on/off	A+
925263.002.76	L 1500, B 70, H 70	LED	840	9500 lm	62 W	61°/59°	19,6	DALI	A+



The application image shows:
Planos

© Linus Lintner

An allround continuous line luminaire system

The empty system tray offers a quick and flexible installation with all existing accessories even from other RZB luminaires. In combination with the installation kit any kind of luminaire can be mounted easily.

Mounting track | Planos LED light channel



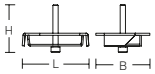
Mounting track: sheet steel, painted white. Incl. through wiring with plug and sleeve for feeding and routing. One socket for the tapping point and electricity supply for use with L 1,500 mm (standard). Up to 3 sockets available (on request) for each module length.

Available colour: 2 = white



Reference number	Dimensions		
Mounting track empty			**Price Category 21**
925212.002	L 1500, B 69, H 53	Without through wiring	
925213.002	L 3000, B 69, H 53	Without through wiring	
925214.002	L 4500, B 69, H 53	Without through wiring	

Installation accessories | Planos LED light channel



Installation kit for mounting third-party luminaires on the mounting track.

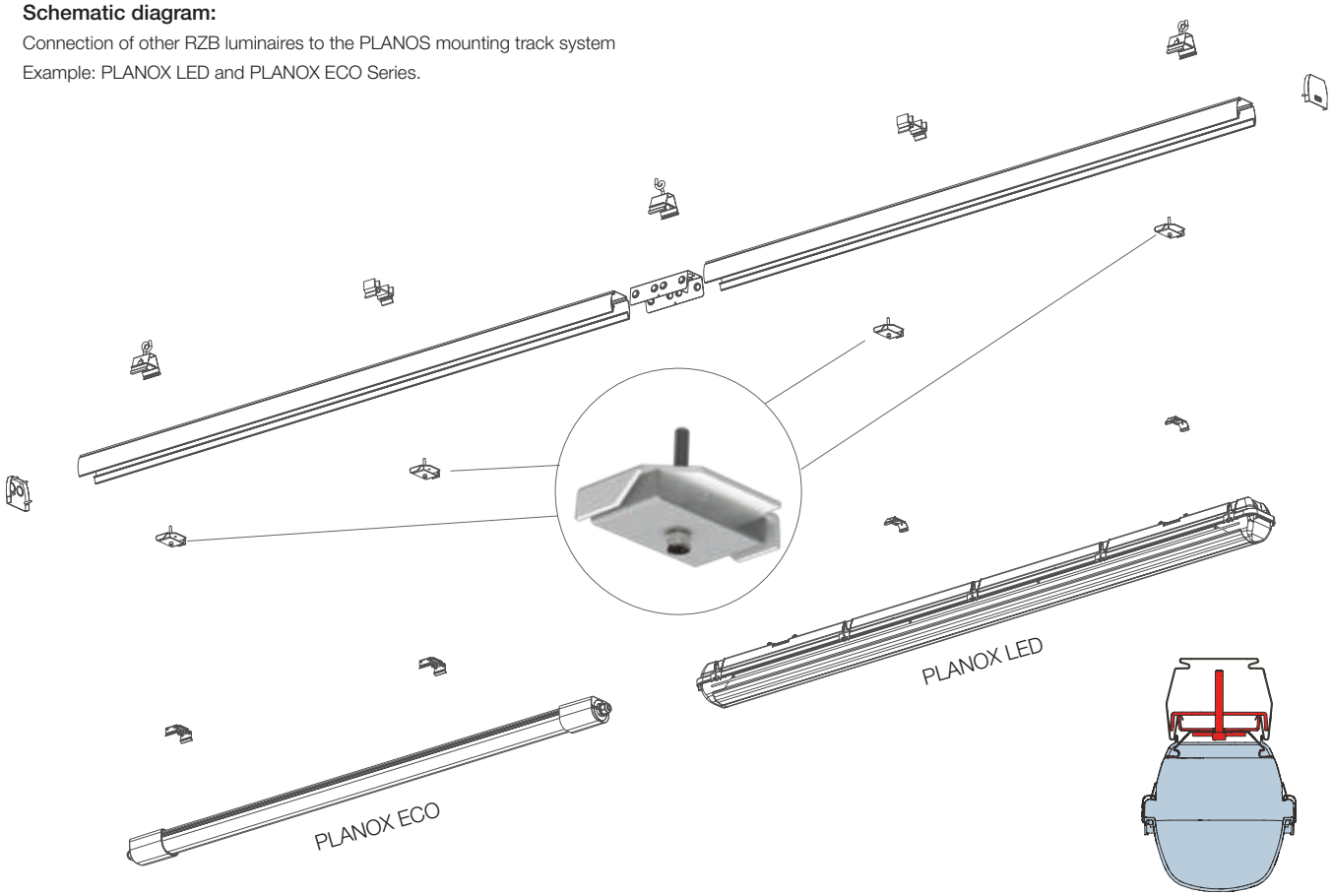


Reference number	Dimensions		
Installation kit			**Price Category 21**
982237.000	L 61, B 51, H 33	Installation kit for third-party luminaires	

Schematic diagram:

Connection of other RZB luminaires to the PLANOS mounting track system

Example: PLANOX LED and PLANOX ECO Series.



Cross-sectional view



The application image shows:
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477

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474-477


482


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Planox Tube
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491

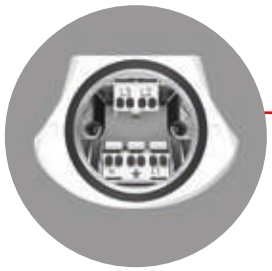
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PLANOX PRO

Everything at a glance

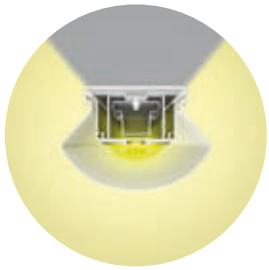


Can be opened and closed without tools using a turn lock fastener, cable screw fitting as standard



Simple connection by means of terminal with push-on connector

On-board through-wiring as standard, (on/off: 5 x 1,5 mm² | DALI:7 x 1,5 mm²).



Indirect light to illuminate the ceiling
Homogeneous illumination through satin finish diffuser



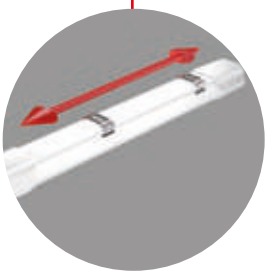
Housing and end caps made of shockproof polycarbonate (PC)





Suitable for use in the food and drink industry

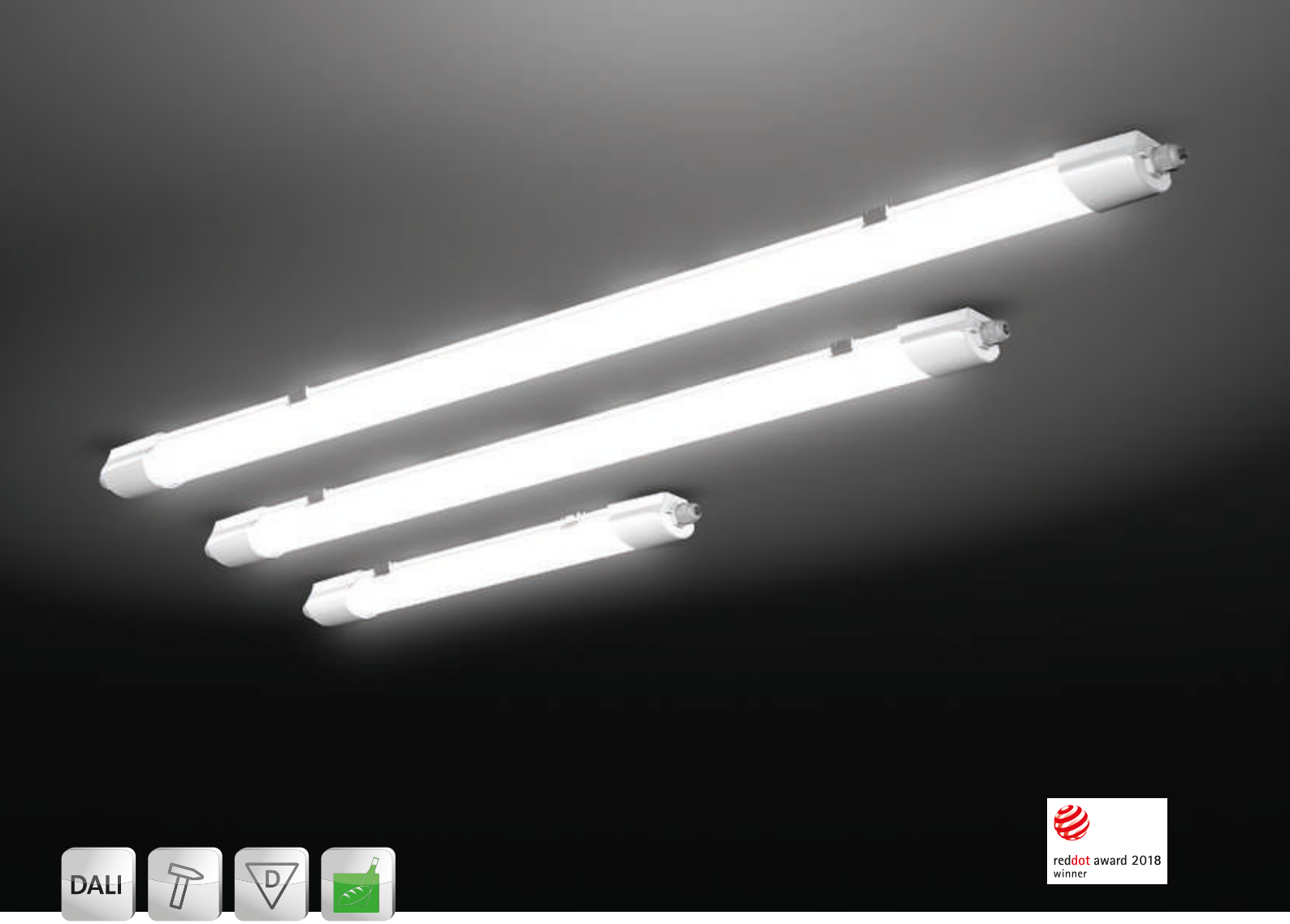
Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected



Flexible installation through sliding mounting bracket

Ideal for luminaire replacement

Homogeneous light output through satin-finished, internal prismatic diffuser



PLANOX PRO

Ceiling and wall luminaires

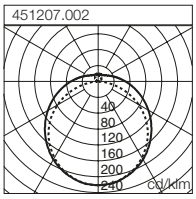
- Design-oriented moisture-proof luminaire
- Indirect light to illuminate the ceiling
- 1:1 replacement for fluorescent lamps
- Impact protection: IK08
- High degree of protection IP 66
- LED rated life 50,000 h (L80, B10)
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Operating range: -30°C to +50°C
- Operating range (.76 DALI versions): -25°C to +50°C



Further luminaires of this series, see:
Emergency lighting | Escape route illumination

- Colour consistency within 3-steps MacAdam (3 SDCM)
- Housing and end caps made of shockproof polycarbonate (PC)
- Mould cast diffusers as inner prisms, UV resistant and provide homogenous light distribution
- Flexible installation through sliding mounting brackets. Ideal for luminaire replacement
- Through-wiring as standard for further luminaires (on/off: 5 x 1,5 mm²; DALI: 7 x 1,5 mm²)
- Cable installation on both sides through turn lock fastener
- Comfortable cable entry through cable screw fittings at both ends
- Suitable for use in the food and drink industry
- DALI converter is compatible with DC, suitable for central battery system

451207.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Planox PRO





Type of Protection: **IP 66**
Protection Class: II
Impact Protection: IK08

Side panels: plastic, white polycarbonate. Diffuser: plastic (polycarbonate), opal. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Turn lock fastener on both sides for easy installation. Luminaire with integrated through-wiring for lining up further luminaires (protection class I and II). Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in the scope of delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Length L 750 mm							
451204.002	L 750, B 88, H 63	LED	840	2050 lm	15 W	on/off	A+
451204.002.76	L 750, B 88, H 63	LED	840	2050 lm	15 W	DALI	A+
Length L 1350 mm							
451205.002	L 1350, B 88, H 63	LED	840	3000 lm	22 W	on/off	A+
451206.002	L 1350, B 88, H 63	LED	840	5200 lm	38 W	on/off	A+
451206.002.76	L 1350, B 88, H 63	LED	840	5200 lm	38 W	DALI	A+
Length L 1650 mm							
451207.002	L 1650, B 88, H 63	LED	840	3900 lm	29 W	on/off	A+
451208.002 .Q	L 1650, B 88, H 63	LED	840	7150 lm	54 W	on/off	A+
451208.002.76	L 1650, B 88, H 63	LED	840	7150 lm	54 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 15 W ≈
2 x 14 W T16 (36 W EVG)
2 x 18 W T26 (52 W CB)

LED 22 W ≈
1 x 36 W T26 (43 W CB)
1 x 35 W T16 (38 W EB)
2 x 24 W T16 (49 W EB)

LED 29 W ≈
2 x 28 W T16 (61 W EB)
2 x 36 W T26 (86 W CB)

LED 38 W ≈
1 x 49 W T16 (53 W EB)
1 x 58 W T26 (67 W CB)

LED 54 W ≈
2 x 35 W T16 (76 W EB)
2 x 58 W T26 (134 W CB)

End piece for turn lock fastener with D 25 mm		Price Category 11
982394.002	D 25, H 13	



Turn lock fastening		Price Category 11
982396.002	D 56, H 50	



Mounting brackets made of stainless steel (theft protection) for ceiling and wall mounting		Price Category 11
982395.000	L 130, B 13, H 61	

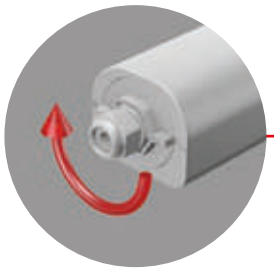


PLANOX ECO

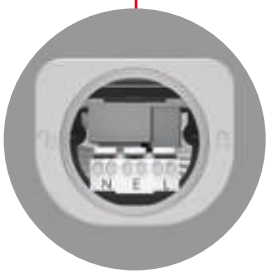
Everything at a glance

Versions with infrared movement sensor, adjustable time delay of 10 s to 20 min and response brightness of 1 to 50 lux

Sealed as standard



Can be opened and closed without tools using a turn lock fastener, cable screw fitting as standard

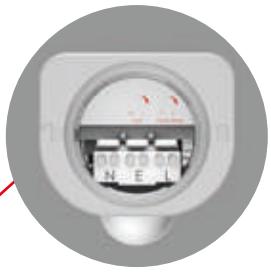


Simple connection by means of terminal with push-on connector

On-board through-wiring as standard for further luminaires (safety class I and II)

Housing and end caps made of shockproof polycarbonate (PC)





The sensitivity and time regulation can simply be adjusted with movement sensor model

Indirect light to illuminate the ceiling

Homogeneous illumination through satin finish diffuser



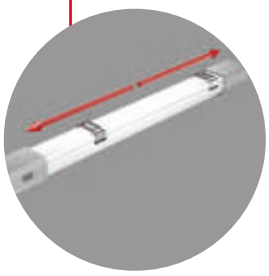
Suitable for use in the food and drink industry



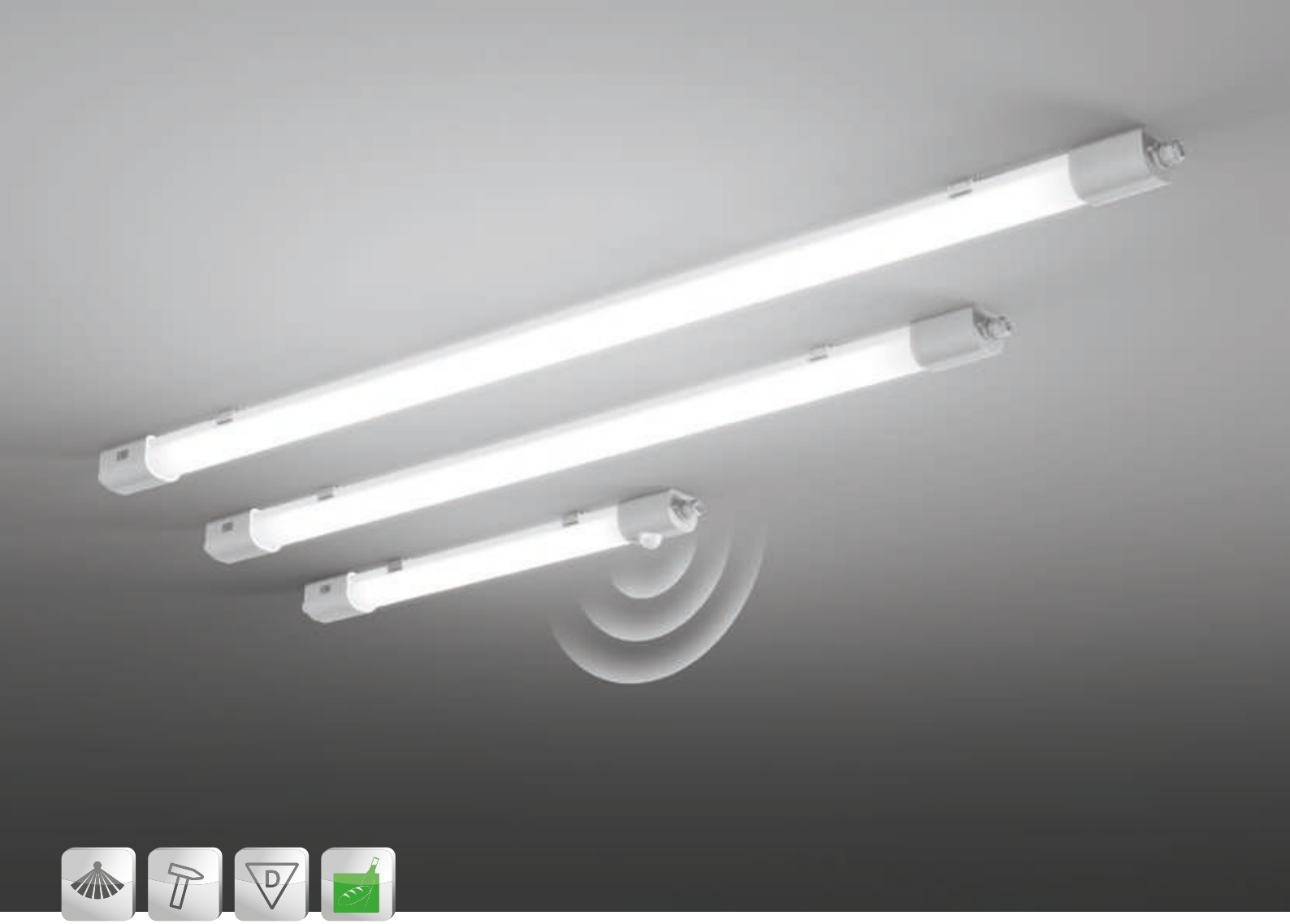
Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected

Flexible installation through sliding mounting bracket

Ideal for luminaire replacement



Homogeneous light output through satin-finished, internal prismatic diffuser

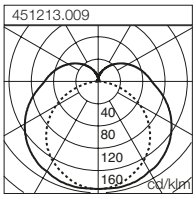


PLANOX ECO

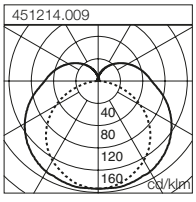
Ceiling and wall luminaires

- Design-oriented moisture-proof luminaire
- Indirect light to illuminate the ceiling
- 1:1 replacement for fluorescent lamps
- Colour rendering index Ra 80
- Impact protection: IK08
- LED rated life 50,000 h (L80, B10)
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Operating range: -30°C to +50°C
- Operating range (with movement sensor): -20°C to +50°C
- High degree of protection IP 66
- Colour consistency within 3-steps MacAdam (3 SDCM)
- Housing and end caps made of shockproof polycarbonate (PC)
- Mould cast diffusers as inner prisms, UV resistant and provide homogenous light distribution
- Flexible installation through sliding mounting brackets. Ideal for luminaire replacement
- Through-wiring as standard for further luminaires (safety class I and II)
- Cable installation on both sides through turn lock fastener
- Comfortable cable entry through cable screw fittings at both ends
- Suitable for use in the food and drink industry
- Versions with infrared movement sensor, adjustable time delay of 10 s to 20 min and response brightness of 1 to 50 lux

451213.009		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	7



451214.009		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

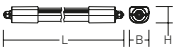


© Linus Lintner

The application image shows:
Planox ECO



Ceiling and wall luminaires | Planox ECO



Type of Protection: **IP 66**
Protection Class: II
Impact Protection: IK08

Side panels: plastic, grey polycarbonate. Diffuser: plastic (non-yellowing polycarbonate), opal. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Turn lock fastener on both sides for easy installation. Luminaire with intergrated 3-phase through wiring to connect multiple luminaires (protection class I and II). Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in the scope of delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 9 = grey

Comparison
LED vs. conventional lamps

LED 20 / 23 W ≈
1 x 49 W T16 (53 W EB)
1 x 54 W T16 (58 W EB)

LED 33 / 37 W ≈
1 x 80 W T16 (86 W EB)

LED 53 W ≈
2 x 49 W T16 (106 W EB)
2 x 54 W T16 (115 W EB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
without movement sensor							
Length L 769 mm							
451210.009 .Q	L 769, B 61, H 50	LED	840	2250 lm	20 W	on/off	A+
Length L 1369 mm							
451211.009 .Q	L 1369, B 61, H 50	LED	840	2800 lm	23 W	on/off	A+
451212.009 .Q	L 1369, B 61, H 50	LED	840	4900 lm	37 W	on/off	A+
Length L 1669 mm							
451213.009 .Q	L 1669, B 61, H 50	LED	840	4100 lm	33 W	on/off	A+
451214.009 .Q	L 1669, B 61, H 50	LED	840	6750 lm	53 W	on/off	A+



End piece for turn lock fastener with D 25 mm		**Price Category 11**
982179.009	D 25, H 13	



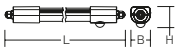
Turn lock fastening		**Price Category 11**
982429.009	D 44, H 41	



Mounting brackets made of stainless steel (theft protection) for ceiling and wall mounting		**Price Category 11**
982430.000	L 146, B 38, H 16	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Planox ECO





Type of Protection: **IP 66**
Protection Class: II
Impact Protection: IK08

Side panels: plastic, grey polycarbonate. Diffuser: plastic (non-yellowing polycarbonate), opal. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Turn lock fastener on both sides for easy installation. Luminaire with intergrated 2-phase through wiring to connect multiple luminaires (protection class II). Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in the scope of delivery. "Stand-alone" operation for model with movement sensor.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 9 = grey

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
with movement sensor ("Stand-alone" operation)							
Length L 750 mm							
451182.009.19 .Q	L 750, B 67, H 71	LED	840	1900 lm	20 W	on/off	A+
Length L 1350 mm							
451185.009.19 .Q	L 1350, B 67, H 71	LED	840	2750 lm	23 W	on/off	A+
451183.009.19 .Q	L 1350, B 67, H 71	LED	840	4900 lm	42 W	on/off	A+
Length L 1650 mm							
451186.009.19 .Q	L 1650, B 67, H 71	LED	840	3650 lm	36 W	on/off	A+
451184.009.19 .Q	L 1650, B 67, H 71	LED	840	6500 lm	64 W	on/off	A+

End piece for turn lock fastener with D 25 mm		Price Category 11
982179.009	D 25, H 13	



Turn lock fastening		Price Category 11
982186.009	D 48, H 50	



Mounting brackets made of stainless steel (theft protection) for ceiling and wall mounting		Price Category 11
982180.000	L 115, B 13, H 62	



Installation data for luminaires with movement sensor

Through-wiring (2 pole) as standard - maximum number of luminaires per power level		
Reference number	**System power**	**maximum luminaires**
451182.009.19	20 W	62
451185.009.19	23 W	54
451183.009.19	42 W	29
451186.009.19	36 W	34
451184.009.19	64 W	19





Details on movement sensor

Single luminaire with infrared movement sensor.
Detection range 360°. Cover of movement sensor made of polyethylene, prismatic. Run-down time and intensity can be adjusted.

Technical data on movement sensor Tolerance 10 percent					
Mounting height (H)	3,0 m	4,0 m	5,0 m	6,0 m	8,0 m
Detection range (Diameter D)	7,40 m	11,0 m	13,0 m	13,8 m	14,4 m
Run-down time	10 s - 20 min adjustable				
Intensity	1-50 lx adjustable				
Detection angle	120°				

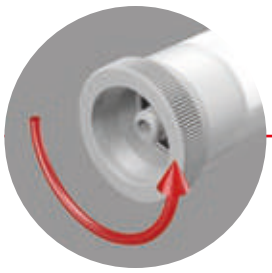


PLANOX TUBE

Everything at a glance



Housing and diffuser made of shockproof polycarbonate (PC)



Can be opened and closed without tools using a turn lock fastener, cable screw fitting as standard



For fixed installation, including connectors for easy installation and maintenance

Version with through-wiring (two-sided cable entry)

Every single LED module can be exchanged

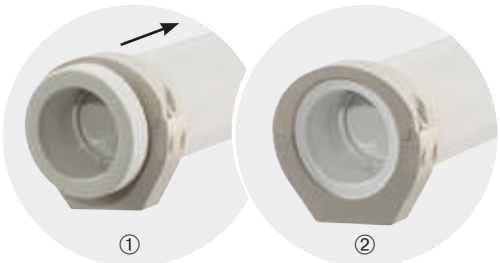
Complete unit with LED modules and converter can be exchanged

Please order accessories separately:

Flexible installation through sliding mounting bracket.
Ideal for luminaire replacement.



Pendant mounting

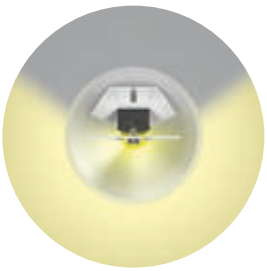


Ceiling and wall mounting

① Mounting bracket for flexible installation

② Mounting bracket as theft protection

Rearwards-directed light to illuminate the ceiling

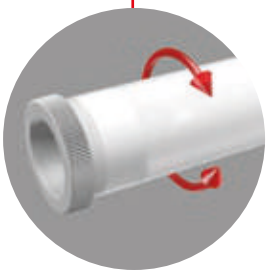




Suitable for use in the food and drink industry

Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected

Beam angle can be varied by turning the luminaire within the mounting brackets



Homogeneous light distribution thanks to frosted diffuser

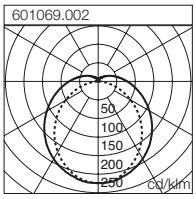


PLANOX TUBE

Tube luminaire

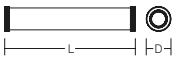
- Housing made of shockproof polycarbonate (PC)
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- With accessories for wall, ceiling or pendant mounting
- Powerful LED panel
- Colour consistency within 3-steps MacAdam (3 SDCM)
- 1:1 replacement for fluorescent lamps
- LED rated life 50,000 h (L80, B10)
- High type of protection: IP 67
- Replaceable LED unit
- Operating range: -20°C to +40°C
- Beam angle 260°
- Position of mounting brackets can be adjusted
- Beam angle can be varied by turning the luminaire within the mounting brackets
- Suitable for use in the food and drink industry

601069.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Tube luminaire | Planox Tube





Type of Protection: **IP 67**
Protection Class: I
Impact Protection: IK10

Diffuser: plastic (polycarbonate), opal, shockproof. End caps plastic (polyamide) grey. Integral driver. Cable entry easy-to-handle by cable gland (M16) and easy installation by plug and play connector at the LED panel. Version for through-wiring has two cable glands.
Mounting set must be ordered separately.

Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Tube luminaires							**Price Category 11**
Without through wiring							
601065.002	D 78, L 405	LED	850	1200 lm	12 W	on/off	A++
601066.002	D 78, L 685	LED	850	2650 lm	23 W	on/off	A++
601067.002	D 78, L 965	LED	850	3900 lm	33 W	on/off	A++
601068.002	D 78, L 1245	LED	850	5300 lm	45 W	on/off	A++
601069.002	D 78, L 1530	LED	850	6600 lm	55 W	on/off	A++
With through wiring							
601066.002.1	D 78, L 685	LED	850	2650 lm	23 W	on/off	A++
601067.002.1	D 78, L 965	LED	850	3900 lm	33 W	on/off	A++
601068.002.1	D 78, L 1245	LED	850	5300 lm	45 W	on/off	A++
601069.002.1	D 78, L 1530	LED	850	6600 lm	55 W	on/off	A++

Pendant mounting			**Price Category 11**
982118.000		with hanger assembly made of stainless steel	

Wall or ceiling installation			**Price Category 11**
982117.009	L 100, B 98, H 20	Mounting bracket plastic (set 2 pieces)	

Comparison LED vs. conventional lamps

LED 12 W ≈
1 x 24 W T16 (26 W EB)

LED 23 W ≈
2 x 21 W T16 (42 W EB)
1 x 39 W T16 (42 W EB)

LED 33 W ≈
2 x 35 W T16 (76 W EB)
1 x 54 W T16 (58 W EB)

LED 45 W ≈
1 x 80 W T16 (86 W EB)

LED 55 W ≈
2 x 54 W T16 (115 W EB)



The application image shows: Planox Tube

PLANOX

Everything at a glance

Suitable for use in the food and drink industry

Homogeneous light distribution thanks to prismatic diffuser

Diffusers optionally in PMMA or PC

Seal between diffuser and housing is made of non-ageing PU (polyurethane) foam



Replaceable LED unit

LED board can be individually replaced



Terminal with plug connection - suitable for through wiring

Easy installation thanks to clip system



Diffusers held by stainless steel clips (standard)



Also available as an emergency luminaire in accordance with EN 60598-2-22

Standard automatic self-test

Wide luminaire spacing for escape route illumination





Housing and diffuser made of shockproof polycarbonate (PC)



Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected





PLANOX

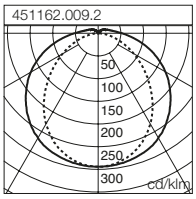
Ceiling and wall luminaires

- 1:1 replacement for fluorescent lamps
- Colour rendering Ra 80
- LED rated life 50,000 h (L80, B10)
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- High degree of protection IP 66
- Housing made of polycarbonate (PC)
- The injection-moulded diffusers are prismatic inside, UV-resistant and provide homogeneous light output
- Diffusers optionally in PMMA or PC
- Seal between diffuser and housing is made of non-ageing PU (polyurethane) foam
- Diffusers held by stainless steel clips (standard)
- Easy to install with stainless steel quick fastening clips
- Replaceable LED unit
- LED board can be replaced individually
- Suspendable LED tray for comfortable installation
- Suitable for use in the food and drink industry
- Also available as an emergency luminaire in accordance with EN 60598-2-22

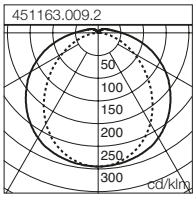


Further luminaires of this series, see:
Emergency lighting | Escape route illumination

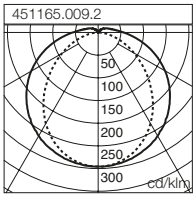
451162.009.2		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8



451163.009.2		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	2	3
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	5



451165.009.2		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Planox





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK03 (PMMA), IK08 (polycarbonate)

Base: plastic (polycarbonate). White painted, interior fastening element made of steel plate.
Refractor: plastic (PMMA or PC) prismatic inside. Refractor fastening: stainless steel clips.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 9 = grey

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 11**
Refractor: plastic (PMMA)								
Length L 658 mm								
451161.009	L 658, B 96, H 100	LED	840	2850 lm	23 W	on/off	✓	A++
451161.009.76	L 658, B 96, H 100	LED	840	2850 lm	23 W	DALI		A++
451161.009.2	L 658, B 96, H 100	LED	850	3050 lm	23 W	on/off	✓	A++
451161.009.2.76	L 658, B 96, H 100	LED	850	3050 lm	23 W	DALI		A++
Length L 1278 mm								
451162.009	L 1278, B 96, H 100	LED	840	3350 lm	28 W	on/off	✓	A++
451162.009.76	L 1278, B 96, H 100	LED	840	3350 lm	28 W	DALI		A++
451162.009.2	L 1278, B 96, H 100	LED	850	3400 lm	28 W	on/off	✓	A++
451162.009.2.76	L 1278, B 96, H 100	LED	850	3400 lm	28 W	DALI		A++
451163.009	L 1278, B 96, H 100	LED	840	5100 lm	41 W	on/off	✓	A++
451163.009.76	L 1278, B 96, H 100	LED	840	5100 lm	41 W	DALI		A++
451163.009.2	L 1278, B 96, H 100	LED	850	5400 lm	41 W	on/off	✓	A++
451163.009.2.76	L 1278, B 96, H 100	LED	850	5400 lm	41 W	DALI		A++
451164.009	L 1278, B 96, H 100	LED	840	5700 lm	48 W	on/off	✓	A++
451164.009.76	L 1278, B 96, H 100	LED	840	5700 lm	48 W	DALI		A++
451164.009.2	L 1278, B 96, H 100	LED	850	6100 lm	48 W	on/off	✓	A++
451164.009.2.76	L 1278, B 96, H 100	LED	850	6100 lm	48 W	DALI		A++
Length L 1573 mm								
451165.009	L 1573, B 96, H 100	LED	840	4150 lm	34 W	on/off	✓	A++
451165.009.76	L 1573, B 96, H 100	LED	840	4150 lm	34 W	DALI		A++
451165.009.2	L 1573, B 96, H 100	LED	850	4200 lm	34 W	on/off	✓	A++
451165.009.2.76	L 1573, B 96, H 100	LED	850	4200 lm	34 W	DALI		A++
451166.009 .Q	L 1573, B 96, H 100	LED	840	6550 lm	54 W	on/off	✓	A++
451166.009.76	L 1573, B 96, H 100	LED	840	6550 lm	54 W	DALI		A++
451166.009.2	L 1573, B 96, H 100	LED	850	7050 lm	54 W	on/off	✓	A++
451166.009.2.76	L 1573, B 96, H 100	LED	850	7050 lm	54 W	DALI		A++
Refractor: plastic (polycarbonate)								
Length L 658 mm								
451161.009.1	L 658, B 96, H 100	LED	840	2750 lm	23 W	on/off	✓	A++
451161.009.1.76	L 658, B 96, H 100	LED	840	2750 lm	23 W	DALI		A++
451161.009.3	L 658, B 96, H 100	LED	850	2950 lm	23 W	on/off	✓	A++
451161.009.3.76	L 658, B 96, H 100	LED	850	2950 lm	23 W	DALI		A++
Length L 1278 mm								
451162.009.1	L 1278, B 96, H 100	LED	840	3250 lm	28 W	on/off	✓	A++
451162.009.1.76	L 1278, B 96, H 100	LED	840	3250 lm	28 W	DALI		A++
451162.009.3	L 1278, B 96, H 100	LED	850	3300 lm	28 W	on/off	✓	A++
451162.009.3.76	L 1278, B 96, H 100	LED	850	3300 lm	28 W	DALI		A++
451163.009.1	L 1278, B 96, H 100	LED	840	4850 lm	41 W	on/off	✓	A++
451163.009.1.76	L 1278, B 96, H 100	LED	840	4850 lm	41 W	DALI		A++
451163.009.3	L 1278, B 96, H 100	LED	850	5150 lm	41 W	on/off	✓	A++
451163.009.3.76	L 1278, B 96, H 100	LED	850	5150 lm	41 W	DALI		A++
451164.009.1	L 1278, B 96, H 100	LED	840	5400 lm	48 W	on/off	✓	A++
451164.009.1.76	L 1278, B 96, H 100	LED	840	5400 lm	48 W	DALI		A++
451164.009.3	L 1278, B 96, H 100	LED	850	5800 lm	48 W	on/off	✓	A++
451164.009.3.76	L 1278, B 96, H 100	LED	850	5800 lm	48 W	DALI		A++
Length L 1573 mm								
451165.009.1	L 1573, B 96, H 100	LED	840	4050 lm	34 W	on/off	✓	A++
451165.009.1.76	L 1573, B 96, H 100	LED	840	4050 lm	34 W	DALI		A++
451165.009.3	L 1573, B 96, H 100	LED	850	4150 lm	34 W	on/off	✓	A++
451165.009.3.76	L 1573, B 96, H 100	LED	850	4150 lm	34 W	DALI		A++
451166.009.1	L 1573, B 96, H 100	LED	840	6350 lm	54 W	on/off	✓	A++
451166.009.1.76	L 1573, B 96, H 100	LED	840	6350 lm	54 W	DALI		A++
451166.009.3	L 1573, B 96, H 100	LED	850	6750 lm	54 W	on/off	✓	A++
451166.009.3.76	L 1573, B 96, H 100	LED	850	6750 lm	54 W	DALI		A++

Comparison LED vs. conventional lamps

LED 23 / 28 W ≈
2 x 18 W T26 (52 W CB)
1 x 36 W T26 (43 W CB)
2 x 24 W T16 (49 W EB)
1 x 35 W T16 (38 W EB)

LED 34 W ≈
2 x 36 W T26 (86 W CB)
1 x 58 W T26 (67 W CB)
1 x 49 W T16 (53 W EB)

LED 41 W ≈
2 x 36 W T26 (86 W CB)
2 x 28 W T16 (61 W EB)

LED 48 / 54 W ≈
2 x 36 W T26 (86 W CB)
1 x 80 W T16 (86 W EB)



The application image shows:
Ralite Highbay II

© Linus Lintner


495 495 495

Ralite Highbay II
494-495


497 497 497

Ralite Highbay II HT
496-497


501-503 501-503 501-503

Industrial Hall
498-503


505 505 505

Industrial Hall HT
504-505



RALITE® HIGHBAY II

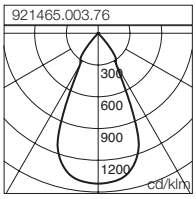
Highbay luminaires

- State of the art pendant luminaire for highest technical requirements for indoor and outdoor use
- Advanced COB LED technology for maximum performance per luminaire top
- Easy to install thanks to 1-point suspension
- Individual components and LEDs are replaceable
- Luminous efficiency up to 128 lm/W
- 1:1 substitute for HME / HIE and HSE lamps
- Uses up to 72% less energy than conventional light sources
- “Self cleaning” heat sink: Vertical cooling ribs prevent dust deposits and ensure constant heat dissipation
- Non-reflecting, single pane safety glass (toughened glass) with minimal loss of transmission (less than 2%)
- Reflector made of MIRO-SILVER®
- 1 and 3 lamp versions with different power packages - for accurate and safe light planning
- Colour rendering index Ra ≥ 80
- High degree of protection IP 66
- Ball impact protection in accordance with DIN 18032-03
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Converter in separate box, laterally swivel mounted to reduce total height
- Superior design, for different applications from factory workshop to foyer
- Suitable for use in the food and drink industry

921465.003.76

Hall 50 x 30 m (0 m)

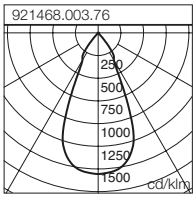
Lph	100 lx	300 lx	500 lx
6 m	11	32	52
9 m	11	33	54
12 m	12	34	56
15 m	12	35	57



921468.003.76

Hall 50 x 30 m (0 m)

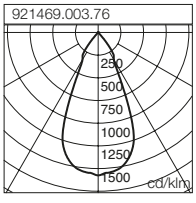
Lph	100 lx	300 lx	500 lx
9 m	12	34	56
12 m	12	36	60
15 m	13	38	63
18 m	14	41	68



921469.003.76

Hall 50 x 30 m (0 m)

Lph	100 lx	300 lx	500 lx
12 m	4	12	19
15 m	4	12	19
18 m	4	12	20
22 m	5	13	21



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Highbay luminaires | Ralite Highbay II





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK07

Aluminium body with M8 eye bolt. Special black anodised aluminium cooling profile with calculated cooling fins for optimum heat dissipation. Metal M12 cable screw fitting. Glass and reflector fitted in the spotlight top made of die cast aluminium. Reflector made of MIRO-SILVER®. Converter in separate ballast box. Driver housing can be mounted in a horizontally to reduce the pendant length of the system. Including anti-reflective safety glass. Suitable for chain or steel cable suspension (provided by the client).

Dimming range 10% to 100%. Optimum control with RZB light control +[3].

Ball impact proof in accordance with DIN 18032-03.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 3 = black

Comparison
LED vs. conventional lamps

LED 78 / 97 W ≈
1 x 250 W HME (275 W CB)

LED 126 / 154 / 200 W ≈
1 x 400 W HME (440 W CB)

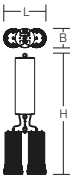
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Pendant projectors									**Price Category 21**
one lamp									
921462.003.76	D 150, H 829	LED	840	10000 lm	78 W	49°	21,3	DALI	A++
921463.003.76	D 150, H 829	LED	840	12000 lm	97 W	49°	21,9	DALI	A++
921464.003.76	D 150, H 829	LED	840	14500 lm	126 W	49°	22,6	DALI	A++
921465.003.76	D 150, H 829	LED	840	16500 lm	154 W	49°	23,1	DALI	A++
two lamps									
921466.003.76	L 327, B 150, H 939	LED	840	24300 lm	200 W	46°	21,5	DALI	A++
921467.003.76	L 327, B 150, H 939	LED	840	28800 lm	253 W	46°	22,2	DALI	A++
921468.003.76	L 327, B 150, H 939	LED	840	32700 lm	308 W	46°	22,6	DALI	A++
three lamps									
921469.003.76	L 327, B 303, H 939	LED	840	49100 lm	468 W	46°	22,6	DALI	A++

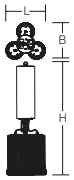












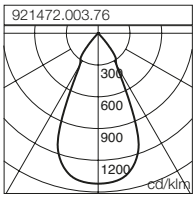


RALITE® HIGHBAY II HT

Highbay luminaires

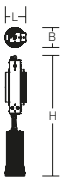
- State of the art pendant luminaire for highest technical requirements for indoor and outdoor use
- Advanced COB LED technology for maximum performance per luminaire top
- Easy to install thanks to 1-point suspension
- Individual components and LEDs are replaceable
- “Self cleaning” heat sink: Vertical cooling ribs prevent dust deposits and ensure constant heat dissipation
- Non-reflecting, single pane safety glass (toughened glass) with minimal loss of transmission (less than 2%)
- Reflector made of MIRO-SILVER®
- LED service life 50,000 h (L80/ B10) at ambient temperature of Ta 55°C
- 1 and 3 lamp versions with different power packages - for accurate and safe light planning
- Colour rendering index Ra ≥ 80
- High degree of protection IP 66
- Ball impact protection in accordance with DIN 18032-03
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Suitable for use in the food and drink industry

921472.003.76		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	300 lx	500 lx
8	23	38
Room 6 x 4 x 3 m (0,75 m)		
100 lx	300 lx	500 lx
8	24	39



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Highbay luminaires | Ralite Highbay II HT (High Temperature)





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK07

Aluminium body with M8 eye bolt. Special black anodised aluminium cooling profile with calculated cooling fins for optimum heat dissipation. Metal M12 cable screw fitting. Glass and reflector fitted in the spotlight top made of die cast aluminium. Reflector made of MIRO-SILVER®. External converter in separate ballast box. Driver housing can be mounted in a horizontally to reduce the pendant length of the system. Including anti-reflective safety glass. Suitable for chain or steel cable suspension (provided by the client).

Dimming range 10% to 100%. Optimum control with RZB light control +[3].
Ball impact proof in accordance with DIN 18032-03.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Up to 55°C ambient temperature.

Available colour: 3 = black

Comparison
LED vs. conventional lamps

LED 72 W ≈
1 x 150 W HIT (160 W CB)
1 x 250 W HME (275 W CB)

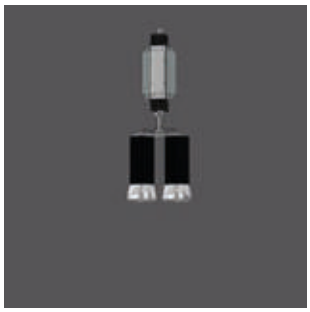
LED 144 W ≈
1 x 250 W HIE (275 W CB)
1 x 400 W HME (440 W CB)

LED 216 W ≈
1 x 400 W HIE (440 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Pendant projectors									**Price Category 21**
one lamp									
921470.003.76	L 152, B 147, H 891	LED	840	8400 lm	72 W	49°	20,7	DALI	A++
two lamps									
921471.003.76	L 327, B 147, H 894	LED	840	16800 lm	144 W	49°	20,6	DALI	A++
three lamps									
921472.003.76	L 326, B 303, H 893	LED	840	23200 lm	216 W	49°	20,3	DALI	A++

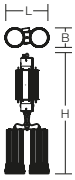
z. B. 921472.003.76 (L80, B10)		
Ambient temperature **Ta**	LED rated life luminaire unit	Luminaire flux
40 °C	100.000 h	24.000 lm
50 °C	75.000 h	23.500 lm
55 °C	50.000 h	23.200 lm

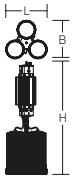












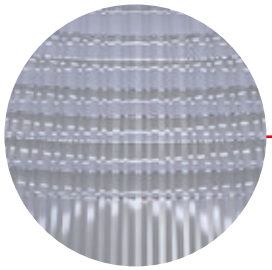
INDUSTRIAL HALL

Everything at a glance

Simple to install thanks to
1-point suspension

High ingress protection rating: IP 65

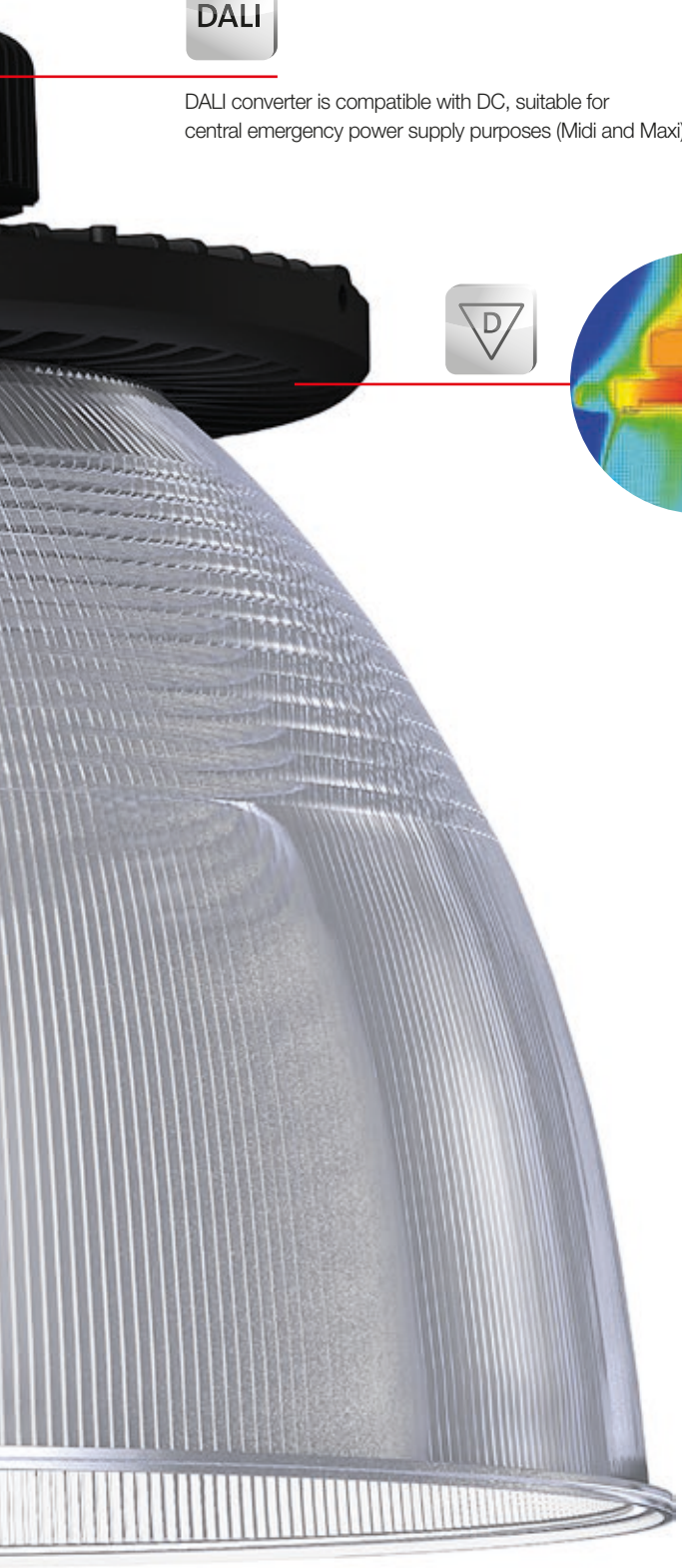
Luminaire prepared as standard for holding mounting bracket, reflector and refractor.
Fast and easy installation through keyhole mounting.



Refractor: transparent plastic (PMMA), prismatic on the outside for additional ceiling illumination (approx. 6 % indirect light) and harmonious distribution of brightness in the room.
Brilliant and elegant light distribution.
Excellent luminaire operating efficiency level.



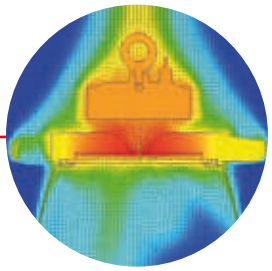
Suitable for use in the food and drink industry



DALI

DALI converter is compatible with DC, suitable for central emergency power supply purposes (Midi and Maxi)

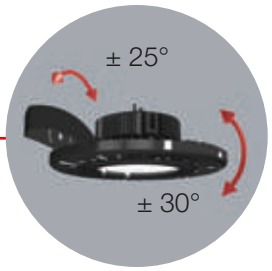
D



▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected

Airflows prevent dust deposits and ensure optimum thermomanagement.

Accessoires available: Wall and ceiling mounting bracket



Glare limitation through accessories with reflectors (UGR ≤ 22) and refractors (UGR ≤ 19,8 bis 14,4)



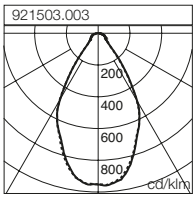


INDUSTRIAL HALL

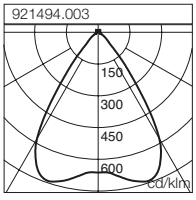
Highbay luminaires

- Compact and flat hall luminaire
- High ingress protection rating: IP 65
- 1:1 substitute for HME / HIE and HSE lamps
- Luminous efficiency up to 130 lm/W
- LED rated life Mini: 50,000 h (L80, B50)
  Midi/Maxi: 50,000 h (L70, B10)
- Glare limitation through accessories with reflectors (UGR ≤ 22) and refractors (UGR ≤ 19,8 up to 14,4)
- Non-reflecting, single pane safety glass (toughened glass)
- Operating range: -20°C to +40°C
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Energy savings of up to 70%
- Easy to install thanks to 1-point suspension
- Suitable for use in the food and drink industry

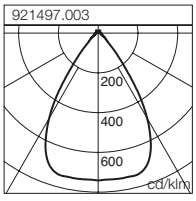
921503.003			
Hall 50 x 30 m (0 m)			
Lph	**100 lx**	**300 lx**	**500 lx**
6 m	25	74	123
9 m	27	79	131
12 m	28	84	140
15 m	29	87	145



921494.003			
Hall 50 x 30 m (0 m)			
Lph	**100 lx**	**300 lx**	**500 lx**
6 m	9	26	43
9 m	9	27	45
12 m	10	29	48
15 m	10	30	50

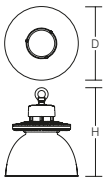


921497.003			
Hall 50 x 30 m (0 m)			
Lph	**100 lx**	**300 lx**	**500 lx**
6 m	7	19	32
9 m	7	20	34
12 m	8	22	36
15 m	8	22	37



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Highbay luminaires | Industrial Hall Mini





Type of Protection: **IP 65**
Protection Class: I
Impact Protection:
IK03 (Refractor: PMMA, transparent), IK08 (Without lamp cover) IK08 (Reflector: aluminium)

LED Highbay luminaire for chain or cable suspension.

Housing: made of die-cast aluminium, powder coated black, with eye ring. Cover clear single-pane tempered glass. Primary light control with high-performance wide-area LEDs in light colour 840 and 830. Suitable for chain or steel cable suspension (provided by the client). Dimming range 10% to 100%.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Commercial lighting									**Price Category 21**
Without lamp cover									
921498.003	D 249, H 190	LED	840	4500 lm	39 W	105°	31,8	on/off	A+
921498.003.76	D 249, H 180	LED	840	4500 lm	39 W	105°	31,8	DALI	A+
921499.003.1	D 249, H 190	LED	830	7900 lm	77 W	104°	33,7	on/off	A+
921499.003	D 249, H 190	LED	840	8500 lm	77 W	105°	34,1	on/off	A+
921499.003.76	D 249, H 180	LED	840	8500 lm	77 W	105°	34,1	DALI	A+
Reflector: aluminium									
921500.003	D 249, H 259	LED	840	4000 lm	39 W	93°	25,0	on/off	A+
921500.003.76	D 249, H 249	LED	840	4000 lm	39 W	93°	25,0	DALI	A+
921501.003.1	D 249, H 259	LED	830	7050 lm	77 W	92°	26,9	on/off	A+
921501.003	D 249, H 259	LED	840	7650 lm	77 W	93°	27,3	on/off	A+
921501.003.76	D 249, H 249	LED	840	7650 lm	77 W	93°	27,3	DALI	A+
Refractor: PMMA, transparent									
921502.003	D 315, H 379	LED	840	4150 lm	39 W	60°	16,5	on/off	A+
921502.003.76	D 315, H 369	LED	840	4150 lm	39 W	60°	16,5	DALI	A+
921503.003.1	D 315, H 379	LED	830	7600 lm	77 W	60°	18,3	on/off	A+
921503.003	D 315, H 379	LED	840	7950 lm	77 W	60°	18,8	on/off	A+
921503.003.76	D 315, H 369	LED	840	7950 lm	77 W	60°	18,8	DALI	A+

Comparison
LED vs. conventional lamps

LED 39 W ≈
2 x 42 W TC-TEL (90 W EB)
1 x 70 W HIT (84 W CB)

LED 77 W ≈
1 x 150 W HIT (160 W CB)
4 x 42 W TC-TEL (180 W EB)

Accessories | Ceiling and wall mounting bracket

Wall and ceiling mounting bracket made of black metal (wall installation: open beam and with reflector)

Ceiling and wall mounting bracket		Price Category 21
982265.003	L 253, B 90, H 157	



Reflector: aluminium		Price Category 21
982266.004	D 180, H 70	



Refractor: plastic		Price Category 21
982267.000	D 315, H 188	




Fig. without cover


Fig. with reflector

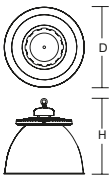

Fig. with refractor (DALI)



Ceiling and wall mounting bracket



Highbay luminaires | Industrial Hall Midi



Type of Protection: **IP 65**
Protection Class: I
Impact Protection:
IK03 (Refractor: PMMA, transparent), IK07 (Without lamp cover) IK07 (Reflector: aluminium)

LED Highbay luminaire for chain or cable suspension.

Housing: made of die-cast aluminium, powder coated black, with eye ring. Cover clear single-pane tempered glass. Primary light control with high-performance wide-area LEDs in light colour 840. Suitable for chain or steel cable suspension (provided by the client). Dimming range 10% to 100%.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 3 = black

Comparison
LED vs. conventional lamps

LED 97 W ≈
1 x 150 W HIE (170 W CB)
1 x 250 W HME (275 W CB)

LED 139 W ≈
1 x 250 W HIE (275 W CB)
1 x 400 W HME (440 W CB)

LED 202 W ≈
1 x 400 W HIE (440 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Commercial lighting									**Price Category 21**
Without lamp cover									
921483.003	D 390, H 205	LED	840	12800 lm	97 W	113°	32,2	on/off	A+
921483.003.76	D 390, H 205	LED	840	12800 lm	97 W	113°	32,2	DALI	A+
921484.003 .Q	D 390, H 205	LED	840	18000 lm	139 W	110°	33,4	on/off	A+
921484.003.76	D 390, H 205	LED	840	18000 lm	139 W	110°	33,4	DALI	A+
921485.003 .Q	D 390, H 210	LED	840	26300 lm	202 W	112°	34,7	on/off	A+
921485.003.76	D 390, H 210	LED	840	26300 lm	202 W	112°	34,7	DALI	A+
Reflector: aluminium									
921486.003	D 390, H 355	LED	840	11200 lm	97 W	86°	23,4	on/off	A+
921486.003.76	D 390, H 355	LED	840	11200 lm	97 W	86°	23,4	DALI	A+
921487.003	D 390, H 355	LED	840	15800 lm	139 W	87°	24,8	on/off	A+
921487.003.76	D 390, H 355	LED	840	15800 lm	139 W	87°	24,8	DALI	A+
921488.003 .Q	D 390, H 360	LED	840	23500 lm	202 W	87°	26,0	on/off	A+
921488.003.76	D 390, H 360	LED	840	23500 lm	202 W	87°	26,0	DALI	A+
Refractor: PMMA, transparent									
921492.003	D 570, H 548	LED	840	10800 lm	97 W	69°	12,5	on/off	A+
921492.003.76	D 570, H 548	LED	840	10800 lm	97 W	69°	12,5	DALI	A+
921493.003 .Q	D 570, H 548	LED	840	15300 lm	139 W	70°	13,9	on/off	A+
921493.003.76	D 570, H 548	LED	840	15300 lm	139 W	70°	13,9	DALI	A+
921494.003	D 570, H 553	LED	840	22200 lm	202 W	69°	15,1	on/off	A+
921494.003.76	D 570, H 553	LED	840	22200 lm	202 W	69°	15,1	DALI	A+

Accessories | Ceiling and wall mounting bracket
Wall and ceiling mounting bracket made of black metal (wall installation: open beam and with reflector)



Ceiling and wall mounting bracket		Price Category 21
982112.003	L 394, B 124, H 232	



Reflector: aluminium		Price Category 21
982114.004	D 327, H 150	



Refractor: plastic		Price Category 21
982115.000	D 570, H 343	



Ceiling and wall mounting bracket

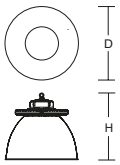

Fig. without cover


Fig. with reflector


Fig. with refractor (DALI)

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Highbay luminaires | Industrial Hall Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection:
IK03 (Refractor: PMMA, transparent), IK07 (Without lamp cover) IK07 (Reflector: aluminium)

LED Highbay luminaire for chain or cable suspension.

Housing: made of die-cast aluminium, powder coated black, with eye ring. Cover clear single-pane tempered glass. Primary light control with high-performance wide-area LEDs in light colour 840 and 850. Suitable for chain or steel cable suspension (provided by the client). Dimming range 10% to 100%.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 3 = black

Comparison
LED vs. conventional lamps

LED 251 W ≈
1 x 400 W HIE (440 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	Q	UGR	dimm-able	EEC
Commercial lighting									**Price Category 21**
Without lamp cover									
921495.003	D 430, H 205	LED	840	31200 lm	251 W	111°	33,9	on/off	A+
921495.003.76	D 430, H 205	LED	840	31200 lm	251 W	111°	33,9	DALI	A+
921495.003.2.76	D 430, H 205	LED	850	32200 lm	251 W	111°	33,9	DALI	A+
Reflector: aluminium									
921496.003	D 430, H 399	LED	840	27600 lm	251 W	85°	24,2	on/off	A+
921496.003.76	D 430, H 399	LED	840	27600 lm	251 W	85°	24,2	DALI	A+
921496.003.2.76	D 430, H 399	LED	850	28400 lm	251 W	85°	24,2	DALI	A+
Refractor: PMMA, transparent									
921497.003	D 570, H 548	LED	840	29700 lm	251 W	67°	16,8	on/off	A+
921497.003.76	D 570, H 548	LED	840	29700 lm	251 W	67°	16,8	DALI	A+
921497.003.2.76	D 570, H 548	LED	850	30600 lm	251 W	67°	16,8	DALI	A+

Accessories | Ceiling and wall mounting bracket
Wall and ceiling mounting bracket made of black metal (wall installation: open beam and with reflector)

Ceiling and wall mounting bracket		Price Category 21
982337.003	L 122, B 434, H 229	



Reflector: aluminium		Price Category 21
982338.004	D 380, H 194	



Refractor: plastic		Price Category 21
982115.010	D 570, H 343	



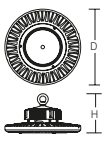

Fig. without cover

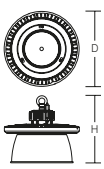

Fig. with reflector

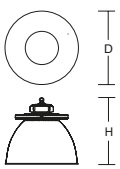

Fig. with refractor (DALI)



Ceiling and wall mounting bracket







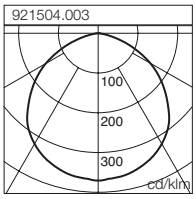


INDUSTRIAL HALL HT

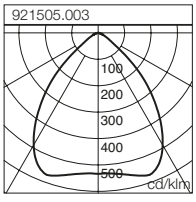
Highbay luminaires

- Compact and flat hall luminaire
- High ingress protection rating: IP 65
- LED service life 50,000 h (L70, B10) at ambient temperature of Ta 60°C
- LED service life 35,000 h (L70, B10) at ambient temperature of Ta 65°C
- Non-reflecting, single pane safety glass (toughened glass)
- Operating range -10°C to +65°C
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Easy to install thanks to 1-point suspension
- Suitable for use in the food and drink industry

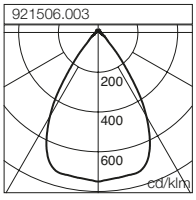
921504.003			
Hall 50 x 30 m (0 m)			
Lph	**100 lx**	**300 lx**	**500 lx**
6 m	11	31	51
9 m	11	34	56
12 m	13	38	62
15 m	14	40	67



921505.003			
Hall 50 x 30 m (0 m)			
Lph	**100 lx**	**300 lx**	**500 lx**
6 m	11	33	55
9 m	12	35	58
12 m	13	38	63
15 m	13	39	66

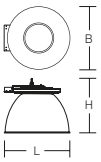


921506.003			
Hall 50 x 30 m (0 m)			
Lph	**100 lx**	**300 lx**	**500 lx**
6 m	11	31	52
9 m	11	33	55
12 m	12	35	59
15 m	13	37	61



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Highbay luminaires | Industrial Hall Maxi HT (High Temperature)





Type of Protection: **IP 65**
Protection Class: I

LED Highbay luminaire for chain or cable suspension.

Operating range -10°C to +65°C.

Housing: made of die-cast aluminium, powder coated black, with eye ring. Cover clear single-pane tempered glass. Primary light control with high-performance wide-area LEDs in light colour 840. Suitable for chain or steel cable suspension (provided by the client).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dimm-able	EEC
Commercial lighting									**Price Category 21**
Without lamp cover									
921504.003	L 520, B 428, H 76	LED	840	18900 lm	148 W	110°	32,0	on/off	A+
Reflector: aluminium									
921505.003	L 520, B 428, H 334	LED	840	16700 lm	148 W	85°	22,5	on/off	A+
Refractor: PMMA, transparent									
921506.003	L 590, B 520, H 415	LED	840	18000 lm	148 W	67°	15,3	on/off	A+

Comparison
LED vs. conventional lamps

LED 148 W ≈
1 x 250 W HIE (275 W CB)

Reflector: aluminium			**Price Category 21**
982338.004	D 380, H 194	90°	



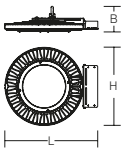
Refractor: plastic			**Price Category 21**
982115.010	D 570, H 343	70°	

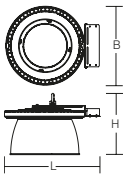


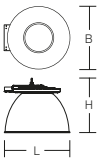

Fig. without cover


Fig. with reflector


Fig. with refractor









The application image shows:
Ralite Highbay
light control +^{3} Professional

© Petra Kellner / Reischneider Architekten & Innenarchitekten



509-510

smart+free
508-511



517

light control +^{3} Economy
516-517



519-520



523

light control +^{3} Professional
518-523


525

Control gear
524-525



SMART+FREE

Light management

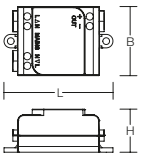
- Light management system for wireless control of lighting by Bluetooth®
- 3-wire cable sufficient, without additional control wire
- Wireless networking with Bluetooth® Low Energy
- Operation using standard pushbuttons, smartphones and tablet
- Control possible using Android / iOS devices
- Free App available for download
- Light and movement sensors can be integrated
- Tunable white and RGB applications can be implemented
- Thanks to its small size it is ideal for luminaire installation





Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | smart+free





Type of Protection: IP 20
Protection Class: II

Bluetooth® control module for the wireless networking and operation of DALI luminaires. Control possible using Android / iOS device. Free app available for download. A wireless network with up to 127 control modules could be set up. Thanks to its small size it is ideal for luminaire installation. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions	
Bluetooth® control module		**Price Category 21**
982378.002 .Q	L 57, B 36, H 22	1 DALI converter can be connected
982378.012	L 57, B 36, H 22	1 RGB DALI DT6 converter can be connected
982378.022	L 57, B 36, H 22	1 RGBW DALI DT6 converter can be connected
982378.032 .Q	L 57, B 36, H 22	1 tunable white DALI DT8 converter can be connected

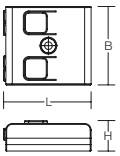
Accessories | Installation box

Housing plastic. Installation box including terminals and strain relief.

Installation box		**Price Category 21**
982391.009	L 85, B 85, H 51	For a smart+free DALI control module 982378.002/.012/.022/.032



Light management | smart+free





Type of Protection: IP 20
Protection Class: II

Bluetooth® control module for the wireless networking and operation of luminaires that can be dimmed using conventional trailing edge dimmers. Control possible using Android / iOS device. Free app available for download. A wireless network with up to 127 control modules could be set up. Thanks to its small size it is ideal for luminaire installation. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions	
Bluetooth® control module		**Price Category 21**
982377.002 .Q	L 40, B 36, H 14	1 converter dimmable using conventional trailing edge dimmer can be connected

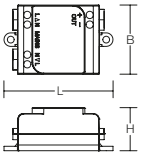
Accessories | Installation box

Housing plastic. Installation box including terminals and strain relief.

Installation box		**Price Category 21**
982390.009	L 85, B 85, H 51	For a smart+free control module that can be dimmed using a conventional trailing edge dimmer 982377.002



Accessories | Interface for local switch





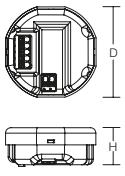
Type of Protection: IP 20
Protection Class: II

Smart+free Bluetooth® button coupler for the wireless operation of luminaires. Conventional pushbutton can be connected on site. Installation in flush-type boxes. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions	
Interface for local switch		**Price Category 21**
982378.042	L 57, B 36, H 22	1 pushbutton provided by the customer can be connected

Accessories | Interface for local switch





Type of Protection: IP 20
Protection Class: II

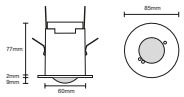
Smart+free Bluetooth® button coupler for the wireless operation of luminaires. Conventional pushbutton can be connected on site. Installation in flush-type boxes. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions	
Interface for local switch		**Price Category 21**
982379.002	D 53, H 21	Up to 4 pushbuttons provided by the customer can be connected



Accessories | Light and presence sensor



Type of Protection: IP 20
Protection Class: II

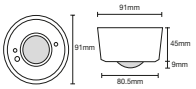
Smart+free Bluetooth® sensor for wireless control of luminaires.
Intelligent presence control and brightness sensors. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions	
Light and presence sensor (for recessed installation)		**Price Category 21**
982451.002	D 85, H 11	



Accessories | Light and presence sensor



Type of Protection: IP 20
Protection Class: II

Smart+free Bluetooth® sensor for wireless control of luminaires.
Intelligent presence control and brightness sensors. Housing: plastic.

Available colour: 2 = white

Reference number	Dimensions	
Light and presence sensor (Surface installation)		**Price Category 21**
982452.002	D 91, H 54	

USING THE APP FOR THE FIRST TIME



The **Casambi app** is easy to get up and running. Simply follow these steps:

1. Download the app from the Apple app store or Google Play.
2. Switch on all the operated luminaires.
3. Open the app.
4. The app will automatically find all the operated luminaires that are switched on.
5. Tap on “Add all luminaires to...” my network
6. The app links all the luminaires to a network and automatically opens the “Luminaires” menu

Standard gestures

You can control your lighting using the following gestures on the app.



- Tap on the luminaire symbol to switch the luminaires on or off.



- Swipe horizontally over the luminaire symbol to adjust the brightness.



- Swipe vertically over the luminaire symbol to adjust the colour temperature. (only luminaires with Tunable White)



- Hold the luminaire symbol down to select the light colour and save it to your colour palette. (only luminaires with RGB(W))

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
Further information on technical specifications can be found in the Appendix

SMART+FREE FUNCTIONS

Switching luminaires on and off

Bluetooth® makes it convenient to switch your luminaries on and off.



Dimming lights

You can dim the appropriate luminaires by swiping horizontally. The setting can be saved and viewed at any time by clicking on it.



Luminaires and groups

If several luminaires often need to be switched on/off at the same time, you can create groups.



Gallery

Operate your luminaires from a photo. Simply take a photo of your room and mark the relevant luminaires in the picture to connect them to the app. Now you can also control your lights simply by clicking on the photo.



Scenes

Create a lighting scene for every occasion. Now you can select the right lighting for any occasion quickly and easily with just one tap.



Changing colour temperature

Adjust the colour temperature of your Tunable White luminaires by swiping vertically.



Changing colours

Colour settings for RGB and RGBW luminaires can easily be set using a colour wheel. The selected colour can of course also be saved.



Timer

The timer gives you the option of switching a luminaire or an entire scene on or off at certain times and on certain days.



Animations

Here you can create and start the sequences you want from the various scenes.





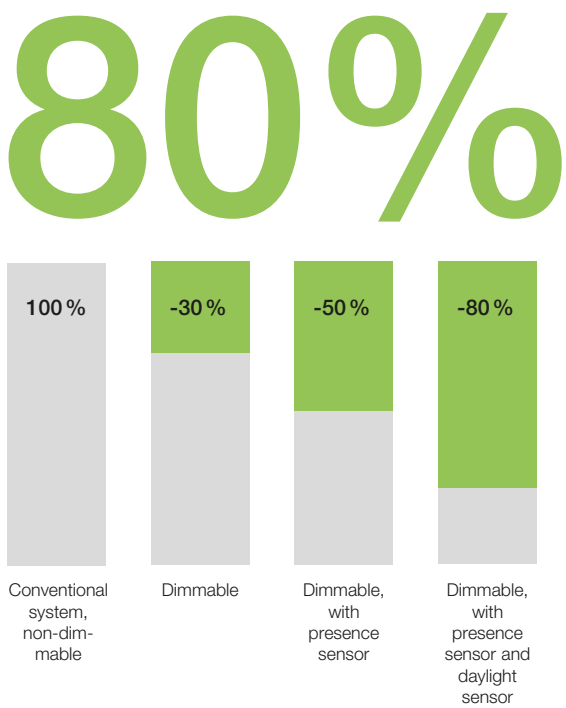
LIGHT CONTROL +^{3}

The Plug & Play light management system made by RZB

Light management systems are of the essence when it comes to a holistic approach to quality lighting design solutions.

Whether you are looking for an energy-saving daylight-dependent system or a light management system for lighting scenes or for dynamic RGB lighting, RZB's range of light management systems is so amazingly extensive that you're bound to find the ideal solution for your office, meeting room or store.

- ⊕ Plug & Play
- ⊕ Pre-wired system
- ⊕ Quick and easy to install
- ⊕ Complete system fully tested by manufacturer
- ⊕ Energy savings of up to 80%



Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com.

ECONOMY

With energy prices soaring and environmental issues at the forefront of today's news, many of us are looking at ways in which we can reduce our energy consumption. In particular when it comes to high energy consuming applications, energy efficient lighting solutions are becoming more and more important.
Here at RZB, we offer:

- Light management systems for daylight-dependent and occupancy-dependent lighting

The light management system light control +^{3} ECONOMY is suitable for a wide range of applications:
The system is available in a DALI® version. The light and presence sensors are available both for recessed and for surface-mounted ceiling installation. Application domains are, among others, office spaces, corridors, public conveniences or rec rooms.



PROFESSIONAL

Rooms that are used by different people for different events and purposes need more than just adequate lighting – they need scene-based lighting.

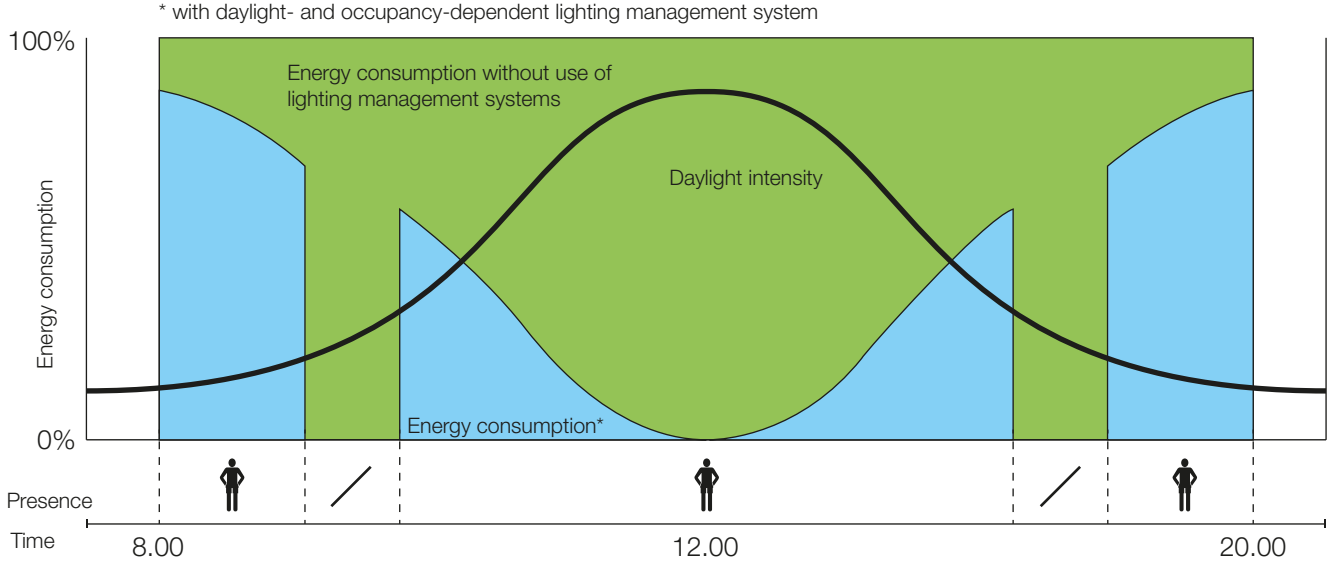
Here at RZB, we offer:

- Light management systems for flexible management of lighting groups and lighting scenes
- Light management systems for circadian daylight simulation

Our PROFESSIONAL system is suitable for complex applications such as daylight-dependent lighting control, RGB- and dynamic light scenes.
The so-called circadian light imitates the circadian and circannual rhythms of natural light. The artificial light based on programmable dynamic daylight simulation, which is achieved by adjustment of illuminance levels and colour temperatures, has a positive effect on human beings.



Up to 80 % energy savings thanks to use of daylight- and occupancy-dependent light control
* with daylight- and occupancy-dependent lighting management system



APPLICATION DOMAINS		ECONOMY	PROFESSIONAL	
light control 3				
General	**Special**			
	Product name	**MULTI DALI**	**CONTROL**	**CIRCADIAN**
Industry	Warehouses	●	●●●	
	Production areas	●●	●●●	●
	Distribution centres		●	
	Canteens	●	●●	
	Garages		●●●	
Office	Individual office rooms			●●●
	Grouped office rooms	●●●		●●●
	Open-plan offices	●●	●●●	●●●
	Meeting/conference rooms			●
	Class-rooms	●		●●●
	Office corridors		●●●	
Shop	General lighting		●	
	Accent lighting		●●	
	Warehouses	●	●●●	
Hotels & restaurants	Meeting rooms			●
	Garages		●●●	
	Bistros		●	
	Restaurants		●●●	
	Wellness centres		●●	
	Casinos		●●	
	Museums/art galleries	●	●●	

Legend: ●●● ideally suited ●● very well suited ● well suited

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

QUICK OVERVIEW

	ECONOMY	PROFESSIONAL	
light control 3			
Product name	**MULTI DALI**	**CONTROL**	**CIRCADIAN**
Interface	DALI	DALI	DALI
Switchable	✓	✓	✓
Dimmable	✓	✓	–
Movement / presence sensor	✓	✓	–
Daylight sensor	✓	✓	–
Number of luminaires (1 EB) *	32	256	32
Number of sensors that can be connected	4	50	–
Radio control (adressable via remote control)	✓	✓	–
Compliance with the MINergie standard and the EU's ecodesign requirements	–	–	–
Daylight simulation / HCL	–	✓	✓
RGB applications	–	✓	–
Scenes (individual luminaire addressing)	–	✓	✓
Type of installation	universal	universal	universal
Dimensions	L 243, B 104, H 27	L 313, B 313, H 85	L 313, B 313, H 85
Reference number	981903.00X.2S1	981908.00X	981913.00X
For further information see	**page 517**	**page 519**	**page 523**

* Number of the luminaires depends on the number of ECGs inside each luminaire



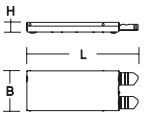
LIGHT CONTROL +^{3} ECONOMY MULTI DALI

Light management

- Light control with App connection via Bluetooth®
- Plug & Play
- Suitable for daylight-dependent control with presence function
- Energy savings up to 80% (compared to manual switching)
- Different operating modes (on request)
- 4 sensors can be connected (one sensor is included.)
- Suitable for up to 32 luminaires (1 x **EB DALI®**)
- Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | light control +³ Economy MULTI DALI





Type of Protection: IP 20
Protection Class: I

Light management system for daylight and presence-dependent lighting

Housing: metal, powder-coated; for universal mounting; ready to plug in (GST15 plug included).

Including light and presence sensor and installation housing.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	
light control +³ Economy MULTI DALI		**Price Category 21**
981903.00X.2S1	L 206, B 106, H 30	

Accessories | Light and presence sensor



Housing of non-flammable, halogen-free polycarbonate. Direct connection to DALI bus. Presence detection range adjustable via integrated shutters between 40° and 90°. Presence detection with passive IR element. Light sensor range: 20 to 800 lx (measured at the sensor). Function display with two-colour LED. Installation height: 2-5 m. Ceiling installation or ceiling mounting with accessories.

Modular design: Please order recessed or surface-mounted housing separately.

Reference number	Dimensions	
Light and presence sensor for installation heights of 2-5 m		**Price Category 21**
09-6599.009	L 48, B 15, H 17	



Surface mounted housing for light and presence sensor		**Price Category 21**
08-6093.002	L 65, B 65, H 34	



Support for light and presence sensor		**Price Category 21**
01-8613.002	D 80, H 37	

Service | Commissioning



The RZB light control +³ light management system must be commissioned on site by an RZB service technician.

Reference number	
Commissioning	
06566	



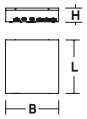
LIGHT CONTROL +^{3} PROFESSIONAL CONTROL

Light management

- Plug & Play
- Daylight-dependent and event-driven control with presence function of all groups
- Control of up to 64 luminaires per DALI® circuit (1 x **EB DALI®**), 16 groups, 16 light scenarios
- 4 integrated, freely configurable floating relays in the controller
- ON / OFF switching
- Individual light value settings
- Several Professional CONTROL systems can be linked together (network)
- Smartphone and tablet operation possible (Android and IOS)
- Programmable via PC

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | light control +³ Professional CONTROL





Type of Protection: IP 20
Protection Class: I

Lighting management system for flexible control of lighting groups and lighting scenarios

Housing: metal, powder-coated; for universal mounting; ready to plug in (GST15 plug included).

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Interface	Number of luminaires (EB)	Number of sensors that can be	Functions
light control +³ Professional CONTROL					**Price Category 21**
981908.00X	L 313, B 313, H 85	DALI	256	50	Switchable, Dimmable, Movement / presence sensor, Daylight sensor, Scenes (individual luminaire/ballast addressing), RGB applications, Tunable White

Accessories | Light and presence sensor



Housing of non-flammable, halogen-free polycarbonate. Direct connection to DALI bus. Presence detection range adjustable via integrated shutters between 40° and 90°. Presence detection with passive IR element. Light sensor range: 20 to 800 lx (measured at the sensor). Function display with two-colour LED. Installation height: 2-5 m. Ceiling installation or ceiling mounting with accessories.

Modular design: Please order recessed or surface-mounted housing separately.

Reference number	Dimensions	
Light and presence sensor for installation heights of 2-5 m		**Price Category 21**
09-6599.009	L 48, B 15, H 17	

Surface mounted housing for light and presence sensor		**Price Category 21**
08-6093.002	L 65, B 65, H 34	



Support for light and presence sensor		**Price Category 21**
01-8613.002	D 80, H 37	





Accessories | Light sensor

Housing: plastic. Direct connection to DALI bus. Light control for installation heights of up to 13 m. Power supply through DALI line (no separate power supply required). System rating: 0.1 W.

Reference number	Dimensions	
Light sensor for installation heights of up to 13 m		**Price Category 21**
981952.002	L 139, B 118, H 37	



Accessories | Motion detector

Housing: plastic. Link to the Professional CONTROL system in connection with the light sensor 981952.002 or button coupler 09-6429.000. Power supply (120-277 V) required. System rating: 0.6 W. Detection angle 100°. Walking motion detection of persons: 3 to 10 m. Vehicle motion detector (e.g. fork lift): 3 to 13 m.

Reference number	Dimensions	
Motion detector for installation heights of 3-13 m		**Price Category 21**
09-6422.002	D 116, H 39	



Accessories | Interface for local switch

Housing: plastic. Installation in flush-mounted socket. Direct connection to DALI bus. Power supply through DALI line (no separate power supply required). 4 potential-free inputs. Conventional buttons can be connected.

Reference number	Dimensions	
Push-button coupler for connecting 4 buttons provided by customer		**Price Category 21**
09-6429.000	L 43, B 43, H 21	



Service | Commissioning

The RZB light control +^{3} light management system must be commissioned on site by an RZB service technician.

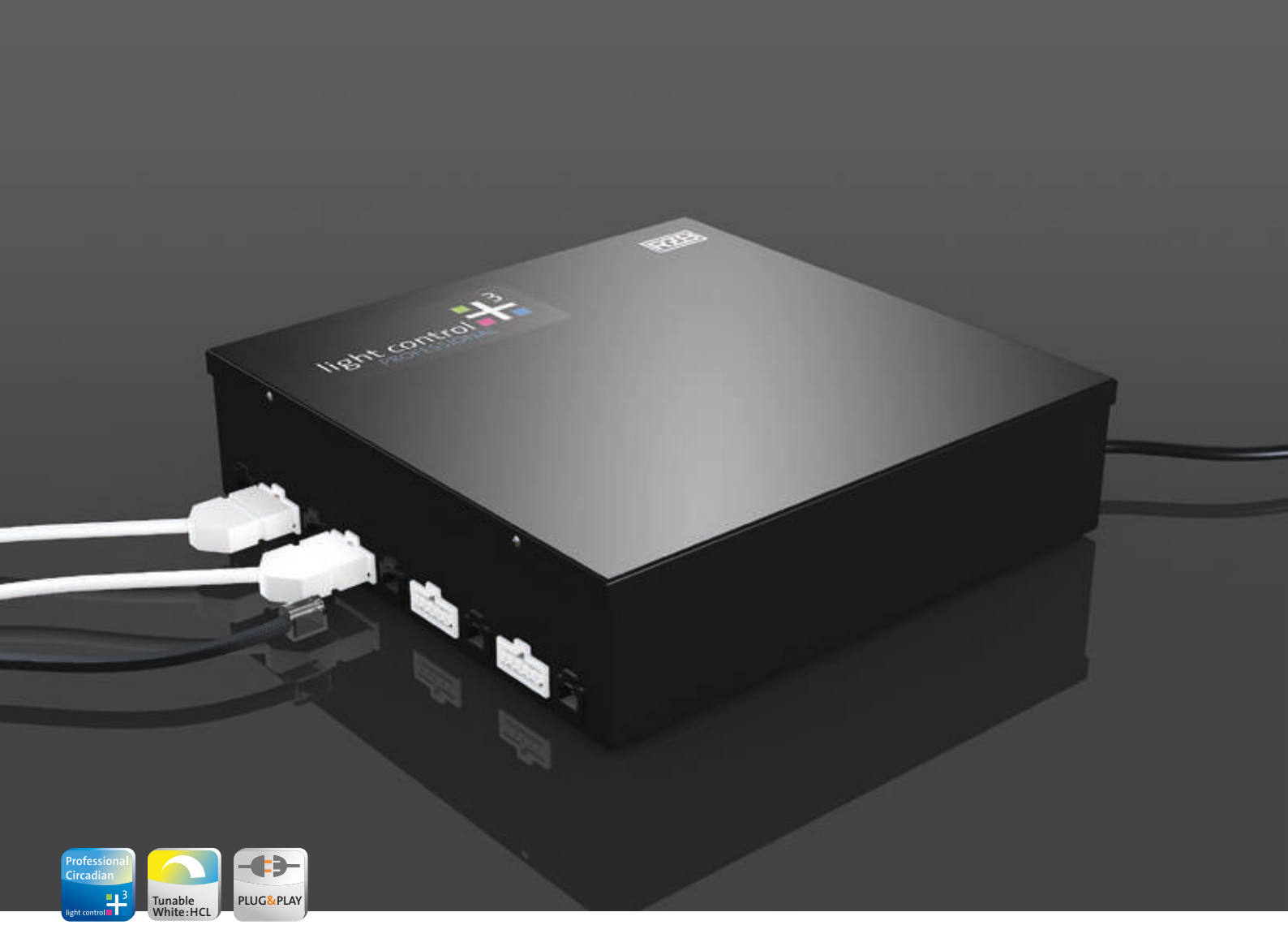
Reference number	
Commissioning	
06566	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
Further information on technical specifications can be found in the Appendix



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The application image shows:
Flat Polymero Kreis XXL
light control +^{3} Professional



PROFESSIONAL CIRCADIAN

Light management

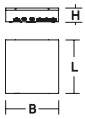
The so-called circadian light imitates the circadian and circannual rhythms of natural light. The artificial light based on programmable dynamic daylight simulation, which is achieved by adjustment of illuminance levels and colour temperatures, has a positive effect on human beings.

Numerous research studies have proved that the quality of life can be improved by circadian light; it helps employees to perform their work safely and efficiently, and students to concentrate for longer periods of time and assists with the processing of information to the brain. Circadian light promotes human health and well-being as well as healing processes.

- Plug & Play
- Circadian daylight simulation
- Individual lighting scenes (i.g. night lighting, active light) can be selected via up to 8 buttons (which need to be provided on site)
- Astro time switch clock
- ON/OFF switching
- Programmable via PC
- Luminaires with DALI EB can be connected
- Integrated button coupler for up to 4 buttons

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | light control +³ Professional CIRCADIAN





Type of Protection: IP 20
Protection Class: I

Lighting management system for flexible control of lighting groups and lighting scenarios

Housing: metal, powder-coated; for universal mounting; ready to plug in (GST15 plug included).

Control panel must be ordered separately.

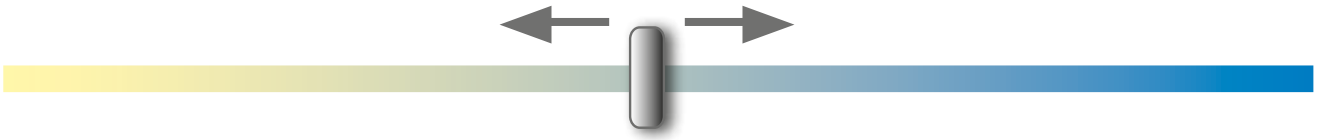
Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Interface	Number of luminaires (EB)	Functions
light control +³ Professional CIRCADIAN				**Price Category 21**
981913.00X	L 243, B 104, H 27	DALI	32	Switchable, Daylight simulation

Service | Commissioning

The RZB light control +³ light management system must be commissioned on site by an RZB service technician.

Reference number	
Commissioning	
06566	





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The application image shows:
Econe
light control +³
Less is more 27



CONTROLLERS

Light management

- Controllers for DALI luminaires
- Operation and setup with button, rotary switch or smartphone / tablet using Bluetooth® connection
- Controllers for tunable white luminaires with DALI device type 8 EB
- Stand-Alone DALI Sensor

Specifications subject to alteration. | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light management | DALI rotary potentiometers





Type of Protection: IP 20
Protection Class: II

Housing: plastic. Digital potentiometer for switching and dimming up to 25 DALI converters (max. 50 DALI converters when operating two DALI rotary potentiometers in parallel, can be extended to max. 4 control points). Automatic synchronisation between the control points. Integrated DALI power supply which supplies the necessary DALI control current (= active mode) or power supply directly from the DALI control line (= passive mode). Broadcast mode (no DALI addressing required). Max. length of the DALI control cable 300 m (with 1.5 mm^2). White rotary switch with white cover included in the scope of delivery. Installation in flush-mounted socket.

Available colour: 2 = white

Reference number	Dimensions	
DALI rotary potentiometers		**Price Category 21**
982253.002	L 80, D 80, H 50	

Light management | DALI rotary potentiometers Tunable White





Type of Protection: IP 20
Protection Class: II

Housing: plastic. Digital potentiometer for switching or for manual adjustment of brightness and colour temperature of luminaires with a DALI device type 8 (IEC 62386-209) compatible EB for tunable white lighting. A maximum of up to 25 DALI converters (max. 50 DALI converters for the parallel operation of two DALI rotary potentiometers, expandable to max. 4 control points, it is important to make sure that the polarity of the DALI control cable is correct) can be connected. Automatic synchronisation between the control points. Integrated DALI power supply which supplies the necessary DALI control current (= active mode) or power supply directly from the DALI control line (= passive mode).Broadcast mode (no DALI addressing required). Max. length of the DALI control cable 300 m (with 1.5 mm^2). White rotary switch with white cover included in the scope of delivery. Installation in flush-mounted socket.

Available colour: 2 = white

Reference number	Dimensions	
DALI rotary potentiometer tunable white (TW)		**Price Category 21**
982384.002	L 71, B 71, H 50	

Light management | DALI push dimmer





Type of Protection: IP 20
Protection Class: II

For use with push buttons.

Housing: plastic. Digital push dimmer for switching and dimming up to 25 DALI converters (max. 50 DALI converters when operating two DALI push dimmers in parallel, can be extended to max. 4 control points). Automatic synchronisation between the control points. Integrated DALI power supply which supplies the necessary DALI control current (= active mode) or power supply directly from the DALI control line (= passive mode). Broadcast mode (no DALI addressing required). Max. length of the DALI control cable 300 m (with 1.5 mm^2). Installation in flush-mounted socket.

Available colour: 2 = white

Reference number	Dimensions	
DALI push dimmer		**Price Category 21**
982252.002	L 48, B 48, H 22	



Light management | DALI-Repeater

Type of Protection: IP 20
Protection Class: II

Housing: plastic. DALI controller and signal amplifier. Connection of up to 64 DALI EB in broadcast operation. Touch dim control. Enables DALI line to be extended in 300 m increments (for 1.5 mm²). Suitable for installation in the luminaire or external operation with recess housing (09-6448.000).

Available colour: 2 = white

Reference number	Dimensions	
Repeater-DALI		**Price Category 21**
982254.002	L 189, B 30, H 21	



Installation housing for DALI-Repeater		**Price Category 21**
09-6448.000	L 261, B 71, H 27	



Light management | DALI Broadcast controller with BLE

Type of Protection: IP 20
Protection Class: II

Light control with App connection via Bluetooth® to control standard white or Tunable White light with DALI Device Type 8 (DT8). A DALI broadcast output channel for up to 32 DALI electronic ballasts. Integrated Bluetooth® low energy interface for setting and Operation of the lighting. Intuitive manual dimming and switching. Basic functionality also without configuration thanks to the presetting. Integrated DALI supply. Easy creation of scenes in the App. Operation via standard pushbuttons. Outputs with electronically reversible Overtemperature, short circuit, overload protection. Adaptation of all setting options via Smartphone. Free App for iOS and Android available. Cable length of DALI control cable: up to 300 m at 1.5 mm². Cable length up to push button: up to 50 m. Casing plastic.

Available colour: grey

Reference number	Dimensions	
DALI Broadcast controller with BLE		**Price Category 21**
982480.009	L 49, B 48, H 22	



Light management | Stand-alone DALI sensor

Type of Protection: IP 20
Protection Class: II

Stand-alone DALI sensor for daylight-dependent control and presence-dependent lighting control incl. Bluetooth® interface. A DALI broadcast output channel for up to 20 DALI ECGs. Automatic setup of the light control after mains connection (out-of-the box function). Basic functionality even without configuration thanks to the pre-setting. Easy and fast adjustment of the most important parameters with a screwdriver. Operation via Standard button. Halogen-free polycarbonate plastic housing. Presence detection via passive IR element. Light control with app connection via Bluetooth®. Adaptation of all Settings via smartphone. Free App for iOS and Android.

Available colour: 2 = white

Reference number	Dimensions	
Stand-alone DALI sensor		**Price Category 21**
982481.002	D 95, H 81	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
Further information on technical specifications can be found in the Appendix



© Linus Lintner

The application image shows:
Toledo Flat
light control +^{3} Economy



The application image shows:
Brick EVO

© Fotostudio Lippmann


531

Mondana-E
530-531


533

Mondana-HE
532-533

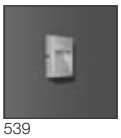

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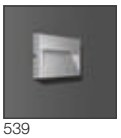

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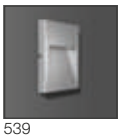

536


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Brick Steps
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Brick EVO
538-539

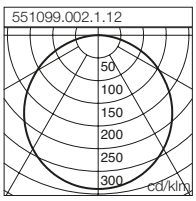


MONDANA®-E

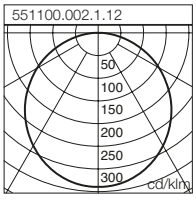
Recessed ceiling and wall luminaires

- Comprehensive range consisting of:
  - Ceiling and wall luminaires
  - Semi-recessed ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- For indoor and outdoor lighting
- The IP 65 type of protection provides excellent protection against rain and humidity and the luminaire is kept free from dirt and insects
- Integral membrane valve allows for ventilation and avoids condensation
- With mouth-blown, 3-layer opal glass satin finish or opal plastic (PE) diffuser
- For barrier-free architecture - flush with wall and ceiling

551099.002.1.12		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
6	9	12
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
9	13	21



551100.002.1.12		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	7
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	13

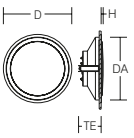




Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling and wall luminaires | Mondana-E





Type of Protection: **IP 65**
Protection Class: I
Ceiling Thickness: 10-30 mm
Impact Protection: IK03 (Glass), IK10 (Polyethylene)

Base: plastic (polycarbonate). Diffuser: mouth-blown opal glass, satin finish, or plastic (polyethylene), opal, satin finish. Diffuser fastening: screwneck. Housing for recessed installation in walls and ceilings: aluminium, powder-coated.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Recessed ceiling and wall luminaires							**Price Category 11**
Glass							
Diffuser D 280 mm, Housing D 352 mm, Ceiling cut-out DA 325 mm, TE 120 mm							
551086.002.1.12	D 352, H 2	LED [1]	830	510 lm	9 W	on/off	A+
551086.002.12	D 352, H 2	LED [1]	840	510 lm	9 W	on/off	A+
Plastic (polyethylene)							
Diffuser D 280 mm, Housing D 352 mm, Ceiling cut-out DA 325 mm, TE 120 mm							
551087.002.1.12	D 352, H 2	LED [1]	830	620 lm	9 W	on/off	A+
551087.002.12	D 352, H 2	LED [1]	840	650 lm	9 W	on/off	A+
Diffuser D 440 mm, Housing D 530 mm, Ceiling cut-out DA 505 mm, TE 120 mm							
551099.002.1.12 *	D 530, H 2	LED [1]	830	1150 lm	13 W	on/off	A+
551099.002.1.76 **	D 530, H 2	LED [1]	830	1150 lm	13 W	DALI	A+
551099.002.12 *	D 530, H 2	LED [1]	840	1150 lm	13 W	on/off	A+
551099.002.76 **	D 530, H 2	LED [1]	840	1150 lm	13 W	DALI	A+
Diffuser D 550 mm, Housing D 650 mm, Ceiling cut-out DA 625 mm, TE 140 mm							
551100.002.1.12 *	D 650, H 2	LED [1]	830	1850 lm	21 W	on/off	A+
551100.002.1.76 **	D 650, H 2	LED [1]	830	1850 lm	21 W	DALI	A+
551100.002.12 *	D 650, H 2	LED [1]	840	1850 lm	21 W	on/off	A+
551100.002.76 **	D 650, H 2	LED [1]	840	1850 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)
1 x 75 W GLS (75 W)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)
2 x 75 W GLS (150 W)

LED 21 W ≈
1 x 42 W TC-TEL (47 W EB)
2 x 100 W GLS (200 W)

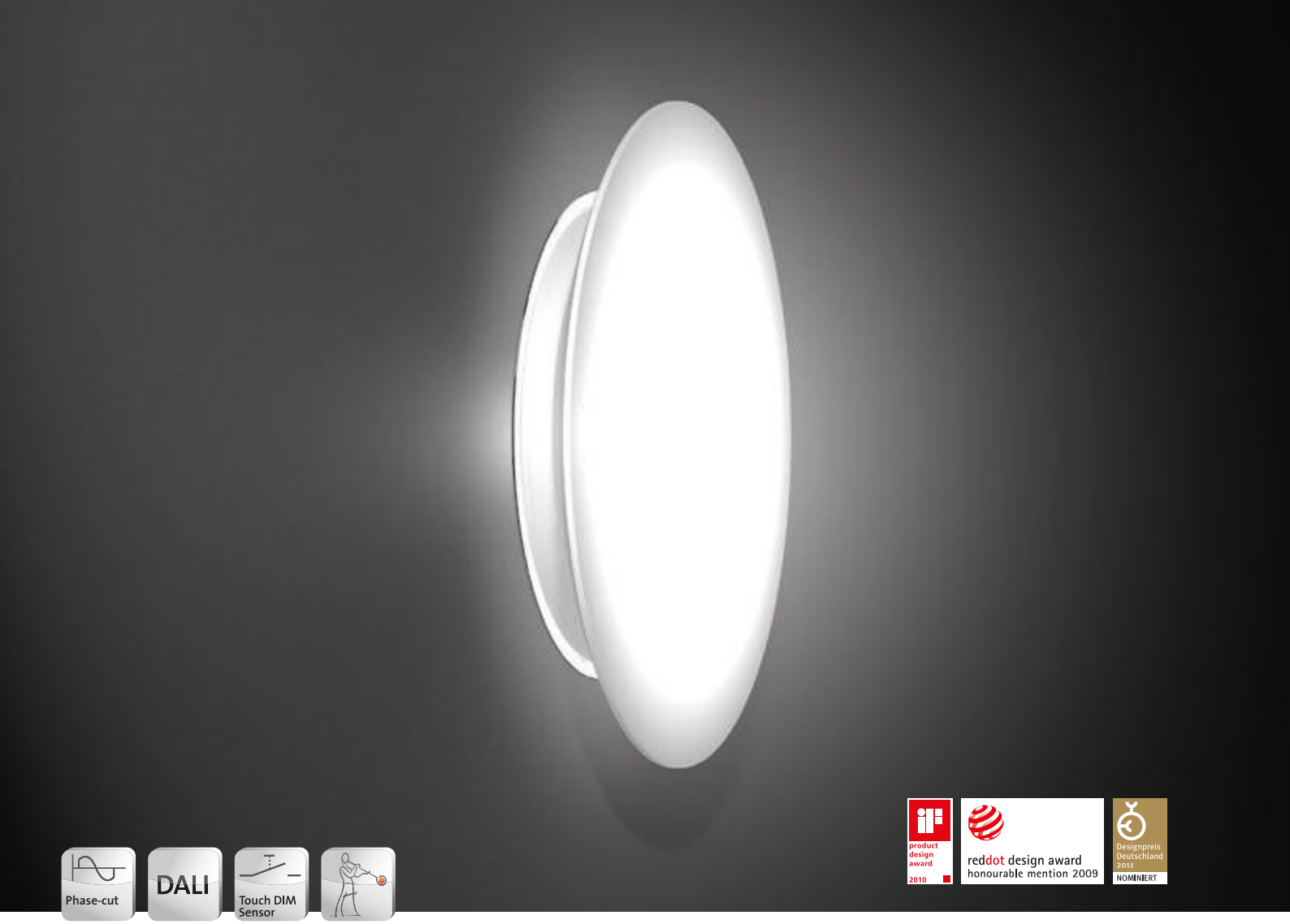
Accessories | Concrete box
Supports for installation in concrete walls, ceilings and façades are available for all recessed and semi-recessed luminaires of the MONDANA series.



Concrete box			Price Category 11
981632.002	D 330, H 125	for Mondana-E 350	
981633.002	D 510, H 125	for Mondana-E 530	
981634.002	D 630, H 150	for Mondana-E 650	

Replacement glasses		Price Category 13
05-2008.002	D 280, H 88	

Replacement diffusers			Price Category 13
08-2036.002	D 282, H 88	Plastic (polyethylene)	
08-2037.002	D 442, H 83	Plastic (polyethylene)	
08-2038.002	D 550, H 114	Plastic (polyethylene)	

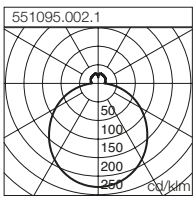


MONDANA®-HE

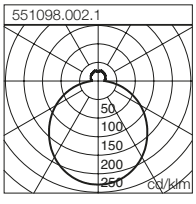
Semi-recessed ceiling and wall luminaires

- Comprehensive range consisting of:
  - Ceiling and wall luminaires
  - Semi-recessed ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- For indoor and outdoor lighting
- The IP 65 type of protection provides excellent protection against rain and humidity and the luminaire is kept free from dirt and insects
- Integral membrane valve allows for ventilation and avoids condensation
- With mouth-blown, 3-layer opal glass satin finish or opal plastic (PE) diffuser

551095.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
7	10	14
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
10	15	24



551098.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	9	14

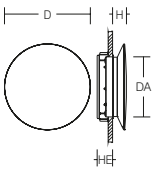




Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Semi-recessed ceiling and wall luminaires | Mondana-HE





Type of Protection: **IP 65**
Protection Class: I
Ceiling Thickness: 10-30 mm
Impact Protection: IK03 (Glass), IK10 (Polyethylene)

Base: plastic (polycarbonate). Diffuser: mouth-blown opal glass, satin finish, or plastic (polyethylene), opal, satin finish. Diffuser fastening: screwneck. Housing for semi-recessed installation in walls and ceilings: powder-coated aluminium.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Available colour: 2 = white



Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Semi-recessed ceiling and wall luminaires							**Price Category 11**
Glass							
Diameter D 280 mm, cut out DA 185 mm, TE 90 mm							
551088.002.1	D 280, H 68	LED [1]	830	570 lm	9 W	on/off	A+
551088.002	D 280, H 68	LED [1]	840	570 lm	9 W	on/off	A+
Diameter D 390 mm, cut out DA 310 mm, TE 96 mm							
551095.002.1 *	D 390, H 57	LED [1]	830	1050 lm	13 W	on/off	A+
551095.002.1.76 **	D 390, H 57	LED [1]	830	1050 lm	13 W	DALI	A+
551095.002 *	D 390, H 57	LED [1]	840	1000 lm	13 W	on/off	A+
551095.002.76 **	D 390, H 57	LED [1]	840	1000 lm	13 W	DALI	A+
Diameter D 500 mm, cut out DA 390 mm, TE 100 mm							
551098.002.1 *	D 500, H 78	LED [1]	830	1750 lm	21 W	on/off	A+
551098.002.1.76 **	D 500, H 78	LED [1]	830	1750 lm	21 W	DALI	A+
551098.002 *	D 500, H 78	LED [1]	840	1900 lm	21 W	on/off	A+
551098.002.76 **	D 500, H 78	LED [1]	840	1900 lm	21 W	DALI	A+
Plastic (polyethylene)							
Diameter D 280 mm, cut out DA 185 mm, TE 90 mm							
551089.002.1	D 280, H 70	LED [1]	830	650 lm	9 W	on/off	A+
551089.002	D 280, H 70	LED [1]	840	690 lm	9 W	on/off	A+
Diameter D 440 mm, cut out DA 310 mm, TE 96 mm							
551096.002.1 *	D 440, H 65	LED [1]	830	1200 lm	13 W	on/off	A+
551096.002.1.76 **	D 440, H 65	LED [1]	830	1200 lm	13 W	DALI	A+
551096.002 *	D 440, H 65	LED [1]	840	1200 lm	13 W	on/off	A+
551096.002.76 **	D 440, H 65	LED [1]	840	1200 lm	13 W	DALI	A+
Diameter D 550 mm, cut out DA 390 mm, TE 100 mm							
551097.002.1 *	D 550, H 85	LED [1]	830	2200 lm	21 W	on/off	A+
551097.002.1.76 **	D 550, H 85	LED [1]	830	2200 lm	21 W	DALI	A+
551097.002 *	D 550, H 85	LED [1]	840	2100 lm	21 W	on/off	A+
551097.002.76 **	D 550, H 85	LED [1]	840	2100 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)
1 x 75 W GLS (75 W)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)
2 x 75 W GLS (150 W)

LED 21 W ≈
1 x 42 W TC-TEL (47 W EB)
2 x 100 W GLS (200 W)

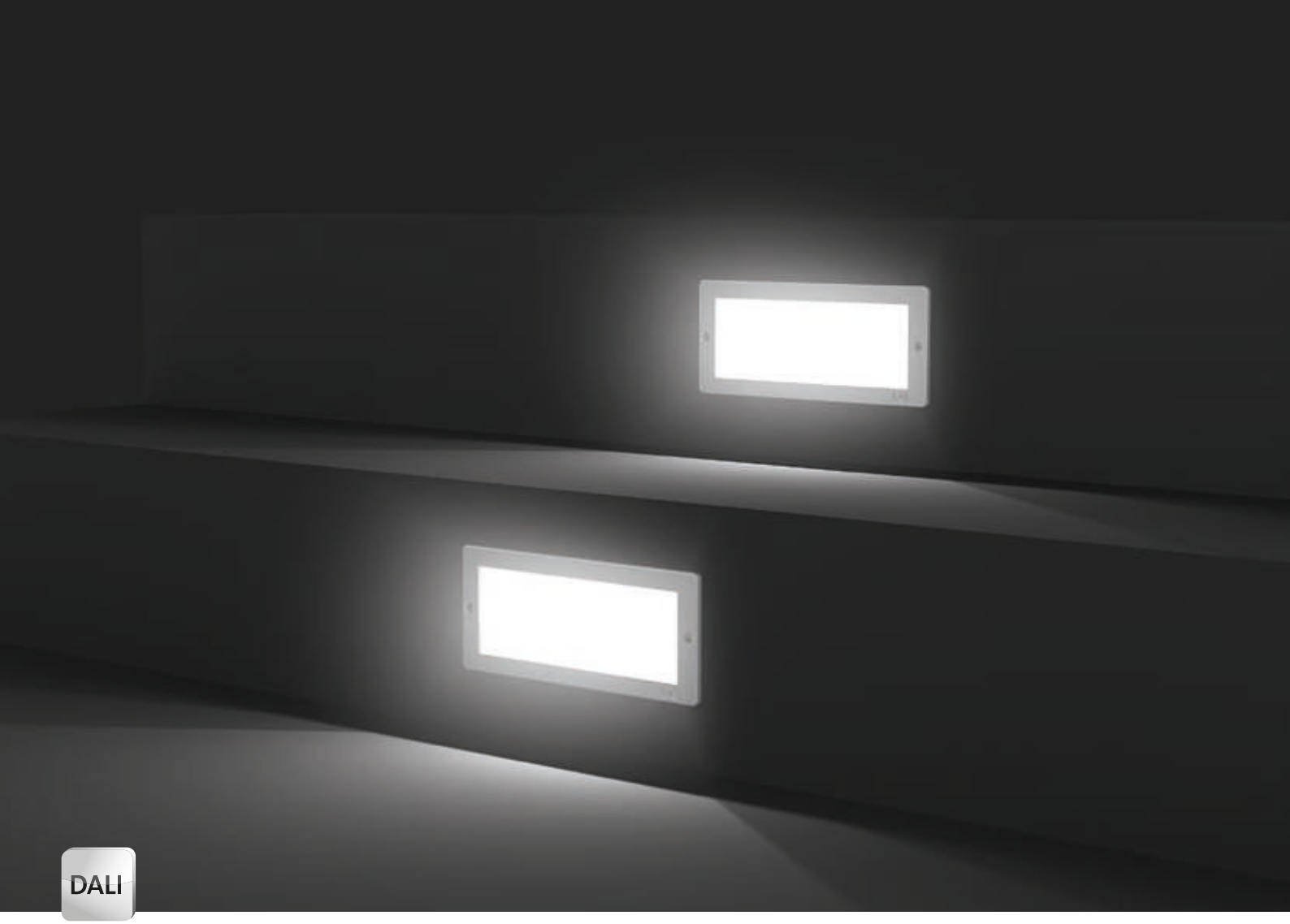
Accessories | Concrete box
Supports for installation in concrete walls, ceilings and façades are available for all recessed and semi-recessed luminaires of the MONDANA series.



Concrete box			Price Category 11
981629.002	D 190, H 65	for Mondana-HE 280	
981630.002	D 320, H 70	for Mondana-HE 390/440	
981631.002	D 395, H 75	for Mondana-HE 500/550	

Replacement glasses		Price Category 13
05-2008.002	D 280, H 88	
05-2009.002	D 390, H 83	
05-2010.002	D 500, H 109	

Replacement diffusers			Price Category 13
08-2036.002	D 282, H 88	Plastic (polyethylene)	
08-2037.002	D 442, H 83	Plastic (polyethylene)	
08-2038.002	D 550, H 114	Plastic (polyethylene)	

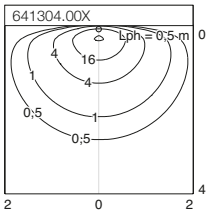


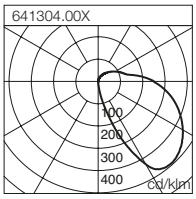
DALI

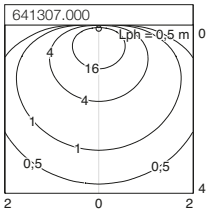
BRICK® STEPS

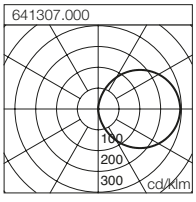
Recessed wall and step luminaires

- Recessed wall/stairway luminaires
- Housing of die-cast aluminium, suitable for direct installation. Usage of installation support is highly recommended
- Seawater resistant coating
- Cover made of shock-resistant plastic (polycarbonate), opal
- Cover frame or louvre cover choice of stainless steel or powder-coated die-cast aluminium
- Selection of various luminous flux levels to prevent any glare. Choice of light colours



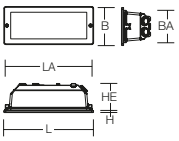






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed wall and step luminaires | Brick Steps





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08

Housing: pressure die-cast aluminium, powder-coated. Shock resistant plastic (polycarbonate) cover, opal, with stainless steel frame. Integral driver. With second cable entry for loop through. **Recommended accessory: recessed support.**

Available colour: 0 = stainless steel

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Recessed wall and step luminaires							**Price Category 12**
cut out LA 228 x BA 85 mm, TE 70 mm							
641307.000	L 236, B 100, H 5	LED	830	200 lm	6 W	on/off	A++
641307.000.76	L 236, B 100, H 5	LED	830	200 lm	6 W	DALI	A++
641307.000.1	L 236, B 100, H 5	LED	840	200 lm	6 W	on/off	A++
641307.000.1.76	L 236, B 100, H 5	LED	840	200 lm	6 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 40 W GLS (40 W)
1 x 8 W T16 (11 W EB)

Accessories | Installation housing for Brick® Steps luminaires

Recessed housing for cavity walls made of sendzimir galvanised steel, cutout LA 232 x BA 92 mm, max. wall thickness 20 mm.

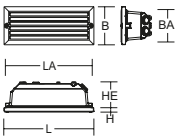
Set for installation in cavity walls		Price Category 12
90-2780	L 230, B 98, HE 76	



Recessed mounting box for concrete or brick walls		Price Category 12
64253.000	L 235, B 95, H 76, HE 76	



Recessed wall and step luminaires | Brick Steps





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK10

Housing: pressure die-cast aluminium, powder-coated. Shock resistant plastic (polycarbonate) cover, opal, with stainless steel lamella frame. Integral driver. With second cable entry for loop through. **Recommended accessory: recessed support.**

Available colour: 0 = stainless steel

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Recessed wall and step luminaires							**Price Category 12**
cut out LA 228 x BA 85 mm, TE 70 mm							
641305.000	L 236, B 100, H 5	LED	830	120 lm	6 W	on/off	A++
641305.000.76	L 236, B 100, H 5	LED	830	120 lm	6 W	DALI	A++
641305.000.1	L 236, B 100, H 5	LED	840	120 lm	6 W	on/off	A++
641305.000.1.76	L 236, B 100, H 5	LED	840	120 lm	6 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 25 W GLS (25 W)
1 x 6 W T16 (8 W EB)

Accessories | Installation housing for Brick® Steps luminaires

Recessed housing for cavity walls made of sendzimir galvanised steel, cutout LA 232 x BA 92 mm, max. wall thickness 20 mm.

Set for installation in cavity walls		Price Category 12
90-2780	L 230, B 98, HE 76	

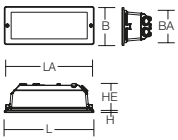


Recessed mounting box for concrete or brick walls		Price Category 12
64253.000	L 235, B 95, H 76, HE 76	





Recessed wall and step luminaires | Brick Steps



Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08

Housing and frame: die-cast aluminium, powder-coated. Shock resistant plastic (polycarbonate) cover, opal. Integral driver. With second cable entry for loop through. **Recommended accessory: recessed support.**

Available colours (X): 2 = white, 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Recessed wall and step luminaires							**Price Category 12**
cut out LA 228 x BA 85 mm, TE 70 mm							
641306.00X	L 236, B 100, H 5	LED	830	210 lm	6 W	on/off	A++
641306.00X.76	L 236, B 100, H 5	LED	830	210 lm	6 W	DALI	A++
641306.00X.1	L 236, B 100, H 5	LED	840	210 lm	6 W	on/off	A++
641306.00X.1.76	L 236, B 100, H 5	LED	840	210 lm	6 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 40 W GLS (40 W)
1 x 8 W T16 (11 W EB)

Accessories | Installation housing for Brick® Steps luminaires
Recessed housing for cavity walls made of sendzimir galvanised steel, cutout LA 232 x BA 92 mm, max. wall thickness 20 mm.



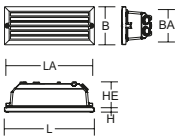
Set for installation in cavity walls		Price Category 12
90-2780	L 230, B 98, HE 76	



Recessed mounting box for concrete or brick walls		Price Category 12
64253.000	L 235, B 95, H 76, HE 76	



Recessed wall and step luminaires | Brick Steps



Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK10

Housing and louvres: die cast aluminium, powder coated. Shock resistant plastic (polycarbonate) cover, opal. Integral driver. With second cable entry for loop through. **Recommended accessory: recessed support.**

Available colours (X): 2 = white, 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Recessed wall and step luminaires, anti-glare							**Price Category 12**
cut out LA 228 x BA 85 mm, TE 70 mm							
641304.00X	L 236, B 100, H 5	LED	830	80 lm	6 W	on/off	A++
641304.00X.76	L 236, B 100, H 5	LED	830	80 lm	6 W	DALI	A++
641304.00X.1	L 236, B 100, H 5	LED	840	80 lm	6 W	on/off	A++
641304.00X.1.76	L 236, B 100, H 5	LED	840	80 lm	6 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 6 W ≈
1 x 4 W T16 (6 W EB)
1 x 15 W GLS (15 W)

Accessories | Installation housing for Brick® Steps luminaires
Recessed housing for cavity walls made of sendzimir galvanised steel, cutout LA 232 x BA 92 mm, max. wall thickness 20 mm.



Set for installation in cavity walls		Price Category 12
90-2780	L 230, B 98, HE 76	



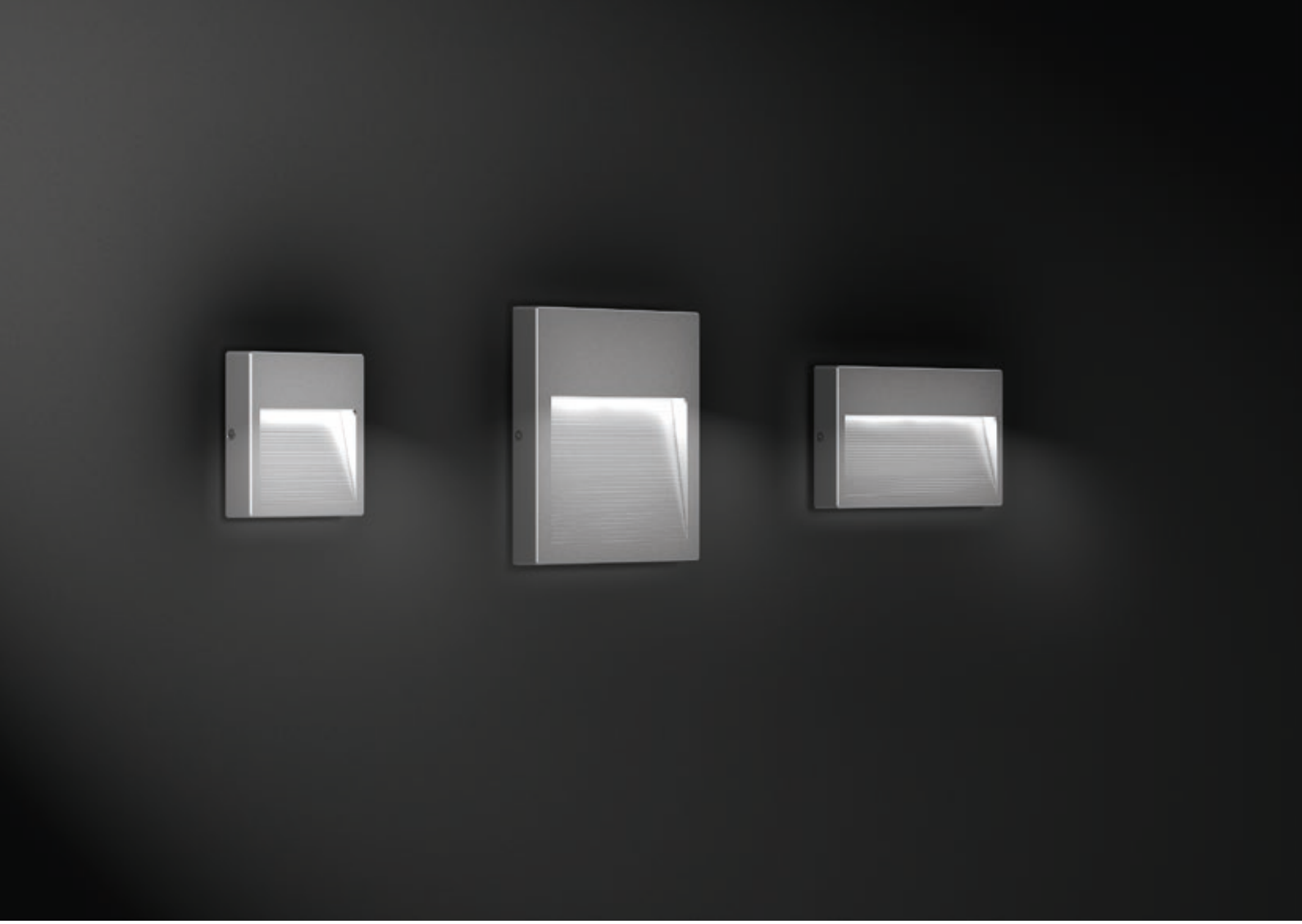
Recessed mounting box for concrete or brick walls		Price Category 12
64253.000	L 235, B 95, H 76, HE 76	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

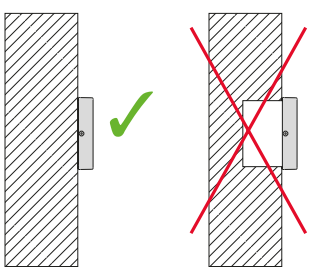
The application image shows:
Brick Steps
Wall Head



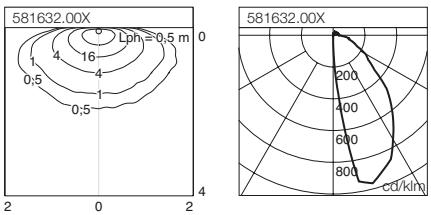
BRICK® EVO

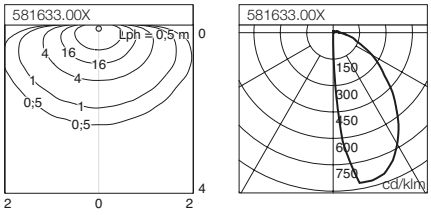
Wall luminaires

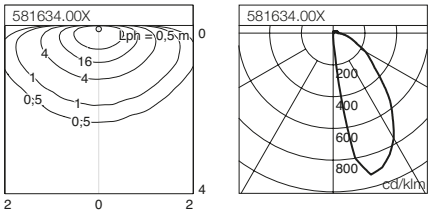
- Flat surface-mounted LED fitting for illumination of wall related areas such as stairs, ramps or corridors
- Only 24 mm depth, can be mounted directly over the cable outlet
- Choice of three models for ideal adaption to the surroundings
- Sturdy housing of non-corrosive pressure die-cast aluminium for outdoor application, powder coated with stainless steel screws
- Drill hole deviations can be compensated to achieve precise positioning



Brick EVO
The revolutionary surface-mounted luminaire with recessed appearance

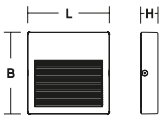






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Brick EVO





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK09

Corrosion-resistant aluminium pressure die-cast housing, powder coated. With compensation for drill hole deviations. Integral driver. Toughened glass cover. With connecting terminal up to 1 x 3 x 1.5 mm^2, for max. 13 mm diameter mains cable.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

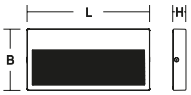
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Brick Evo Mini, asymmetrical light distribution							
581632.00X	L 120, B 120, H 24	LED	830	60 lm	4 W	on/off	A+
581632.00X.1	L 120, B 120, H 24	LED	840	60 lm	4 W	on/off	A+
Brick Evo Midi, asymmetrical light distribution							
581633.00X	L 200, B 200, H 24	LED	830	190 lm	10 W	on/off	A+
581633.00X.1	L 200, B 200, H 24	LED	840	190 lm	10 W	on/off	A+

Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 20 W QT12 (22 W CB)

LED 10 W ≈
1 x 8 W T16 (11 W EB)
1 x 50 W QT12 (50 W)

Wall luminaires | Brick EVO





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK09

Corrosion-resistant aluminium pressure die-cast housing, powder coated. With compensation for drill hole deviations. Integral driver. Toughened glass cover. With connecting terminal up to 1 x 3 x 1.5 mm^2, for max. 13 mm diameter mains cable.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Brick Evo Duo, asymmetrical light distribution							
581634.00X	L 240, B 120, H 24	LED	830	180 lm	10 W	on/off	A+
581634.00X.1	L 240, B 120, H 24	LED	840	180 lm	10 W	on/off	A+

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 8 W T16 (11 W EB)
1 x 50 W QT12 (50 W)





The application image shows:
Cyl

© RZB

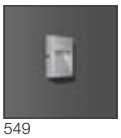

Nadelspot 545

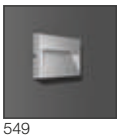

Cyl 545

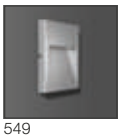

Zono 546


Techno 546

Wallscaping
542-546


549

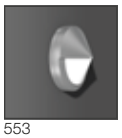

549


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Brick EVO
548-549


551

Rounded Midi
550-551


553

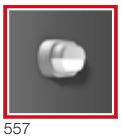
Alu-Design
552-553

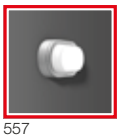

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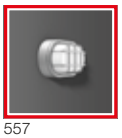

555


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Alu-Superior
554-555


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Alu-Lux oval
556-557


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558

Wall Head
558

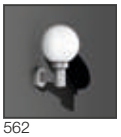

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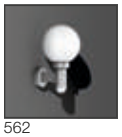
Rechteck
559


561


561

Zylinder Opal
560-562


562


562

Kugel Opal
560, 562


563

Slopia
563

WALLSCAPING ...

... highlight for wall design

The term wallscaping is made up of the English words „wall“ and „(land)scaping“ for (landscape) design. The WALLSCAPING series by RZB is exactly that: the enhancement of outer walls through light. For this purpose, the four successful wall luminaires TECHNO, CYL, ZONO and NADELSPOT were redeveloped from scratch.

What all four product families have in common is a clear form language which supports their use in modern architecture. The housings have a two-part design and are extremely easy to install. The basis is a plate which is mounted on the wall and which is the same for all types of the WALLSCAPING series. The electrical connection is effected directly on the wall plate. A large cable inlet is fitted as standard, allowing a loop-through without an additional connection box.

The innovative Gravolock® lock promises quick and easy installation of the luminaire head. This is mounted without screws on the housing base. A latch prevents this from being unintentionally removed later. The well thought-out housing concept with a diaphragm valve also reliably protects the light source and the converter from environmental influences.

Power is reliably supplied by means of a plug connector between the base and the head. The luminaire is closed at the top and bottom by a frameless glass cover. This can easily be removed at any time by a bayonet connection. The gentle light emission at the edge of the glass gives the WALLSCAPING luminaires their unmistakeable character. ZONO and NADELSPOT are available with light emission one or both sides. With all four luminaire families, it is also possible to choose between wide-beam and narrow-beam light distribution. The versions with light distribution on both sides even allow a combination of narrow-beam light emission upwards and wide-beam light emission downwards.

The starting point of all luminaire head designs within the WALLSCAPING series are the timeless basic forms of cuboid and cylinder. TECHNO and CYL use square and circular cross-sections in an elegant longitudinal orientation. ZONO and NADELSPOT form the more compact equivalent with a flush transition to the wall. In this way the right shape can be found for practically every environment – and the perfect solution for an architectural highlight.



Nadelspot Page 545



Cyl Page 545



Zono Page 546



Techno Page 546

☑ **Innovation**
The innovative Gravolock® lock - a new word created by RZB - promises quick and easy installation of the luminaire head.

☑ **Long service life**
The use of state-of-the-art LED technology allows reduced energy consumption and a long LED service life. Corrosion-resistant, powder-coated housing die-cast aluminum prevents corrosion.

☑ **Impermeability**
The innovative housing concept protects the light source safely from all weather. The integrated vent valve avoids condensation in the luminaire.

☑ **Flexibility**
A selection of different versions of the heads ensures creative freedom. Cylindrical and cubic Types with several light characteristics are available for the planner.

The powder coated parts can, in addition to the two standard colours silver metallic and anthracite metallic, be coated to suit specific customer requirements.

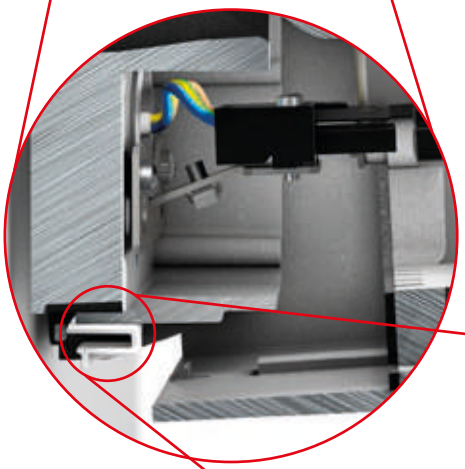
Functional structure of the RZB Gravolock® system

RZB Gravolock® system

Quick and easy installation of the lamp head, without tools on the housing.

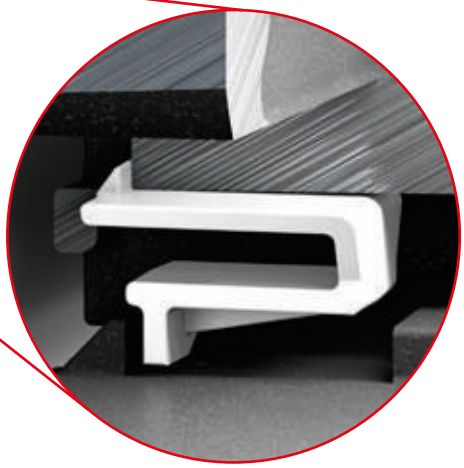






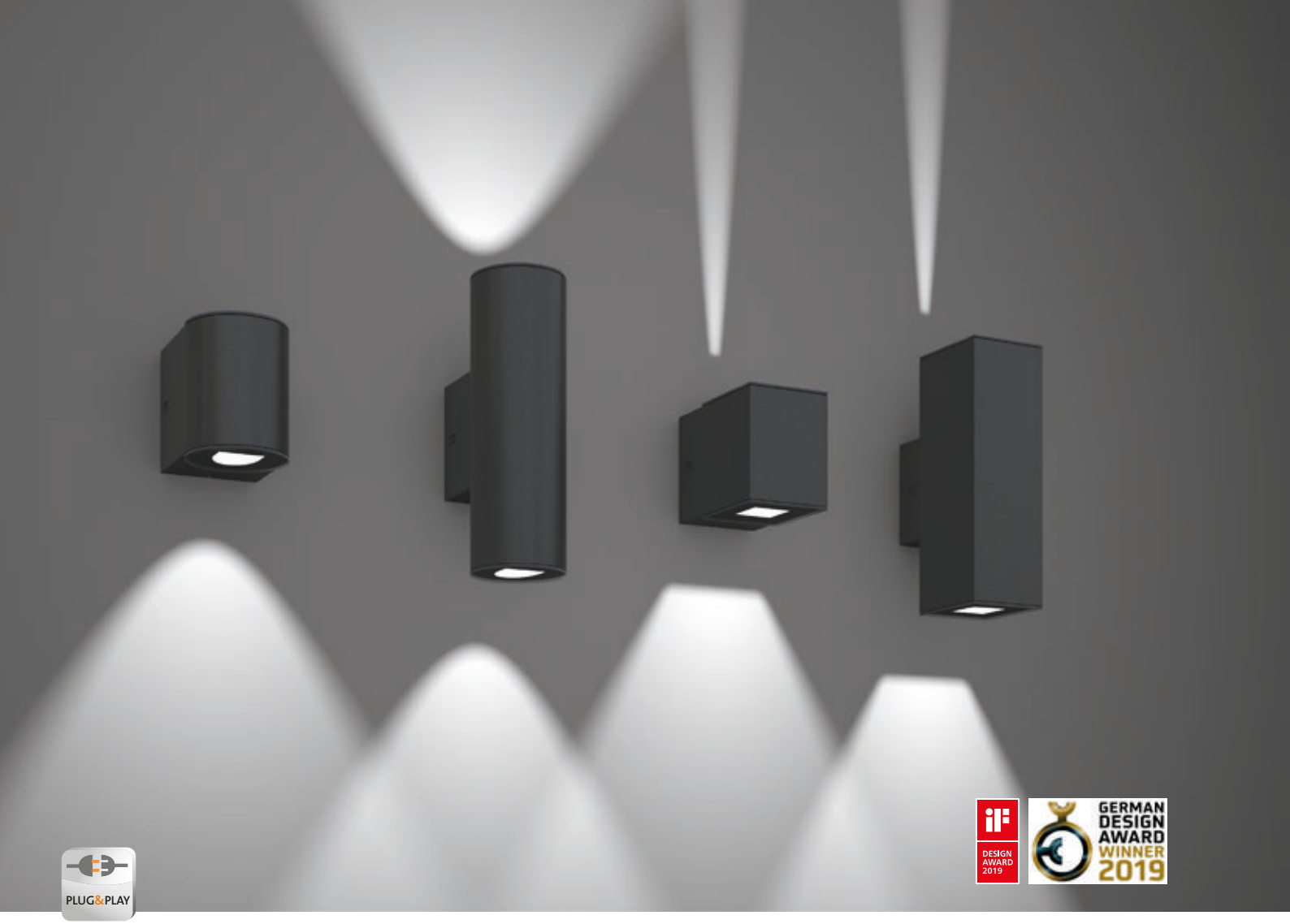
Comfortable installation

A quick-connector between base and head provides safe power supply.



Safety

A latch prevents this from being unintentionally removed later.



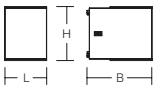
NADELSPOT | CYL | ZONO | TECHNO

Wall luminaires

- Made in Germany
- Four luminaire tops - one mounting bracket
- Seawater resistant coating
- Quick installation: fixing and electrical connetion is done only at the fixing plate, the luminaire is screwlessly plugged on thereafter and held into position via RZB Gravolock-System
- Elegant appearance with no visible screws thanks to the RZB Gravolock® system, with a latch as theft protection
- The innovative housing concept protects light source and driver reliably against all weather conditions
- The standard large cable inlet allows a simple loop-through without an additional connection box
- The elegant linear shape excellently suits modern architecture
- Integral membrane valve for pressure compensation and prevention of condensation

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Nadelspot





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to prevent condensed water. Electrical plug and play featuring quick connector. With mains voltage LED module. Cable entry granting two cables for loop-through.

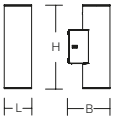
Integral LED module, please place a separate order for LEDPAR16 lamps.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Light emission: down, Flood							
582025.00X	L 100, B 154, H 127	LED (1)	830	150 lm	4 W	on/off	A+
582025.00X.1	L 100, B 154, H 127	LED (1)	840	160 lm	4 W	on/off	A+
Light emission: up and down, Flood/Flood							
582027.00X	L 100, B 154, H 127	LED (1)	830	280 lm	8 W	on/off	A+
582027.00X.1	L 100, B 154, H 127	LED (1)	840	290 lm	8 W	on/off	A+
Light emission: up and down, Spot/Flood							
582026.00X	L 100, B 154, H 127	LED (1)	830	190 lm	7,5 W	on/off	A+
582026.00X.1	L 100, B 154, H 127	LED (1)	840	190 lm	7,5 W	on/off	A+
Light emission: up, Flood							
582035.00X	L 100, B 154, H 127	LED (1)	830	150 lm	4 W	on/off	A+
582035.00X.1	L 100, B 154, H 127	LED (1)	840	160 lm	4 W	on/off	A+
Light emission: up, Spot							
582036.00X	L 100, B 154, H 127	LED (1)	830	35 lm	3,5 W	on/off	A+
582036.00X.1	L 100, B 154, H 127	LED (1)	840	35 lm	3,5 W	on/off	A+
Wall luminaires for LEDPAR16 lamps							**Price Category 12**
Light emission: down							
582045.00X *	L 100, B 154, H 127	1 x LEDPAR16 4 W				on/off	A++
Light emission: up							
582046.00X *	L 100, B 154, H 127	1 x LEDPAR16 4 W				on/off	A++

* Beam angle depends on the LEDPAR16 lamp used

Wall luminaires | Cyl





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock.Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to prevent condensed water. Electrical plug and play featuring quick connector. With mains voltage LED module. Cable entry granting two cables for loop-through.

Integral LED module, please place a separate order for LEDPAR16 lamps.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Light emission: up and down, Flood/Flood							
582021.00X	L 100, B 154, H 307	LED (1)	830	280 lm	8 W	on/off	A+
582021.00X.1	L 100, B 154, H 307	LED (1)	840	290 lm	8 W	on/off	A+
581643.00X	L 100, B 154, H 307	LED (1)	830	720 lm	19 W	on/off	A+
581643.00X.1	L 100, B 154, H 307	LED (1)	840	760 lm	19 W	on/off	A+
Light emission: up and down, Spot/Flood							
582020.00X	L 100, B 154, H 307	LED (1)	830	190 lm	7,5 W	on/off	A+
582020.00X.1	L 100, B 154, H 307	LED (1)	840	190 lm	7,5 W	on/off	A+
581644.00X	L 100, B 154, H 307	LED (1)	830	390 lm	13 W	on/off	A+
581644.00X.1	L 100, B 154, H 307	LED (1)	840	420 lm	13 W	on/off	A+
Wall luminaires for LEDPAR16 lamps							**Price Category 12**
Light emission: up and down							
582041.00X *	L 100, B 154, H 307	2 x LEDPAR16 4 W				on/off	A++

* Beam angle depends on the LEDPAR16 lamp used



Wall luminaires | Zono



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to prevent condensed water. Electrical plug and play featuring quick connector. With mains voltage LED module. Cable entry granting two cables for loop-through.

Integral LED module, please place a separate order for LEDPAR16 lamps.

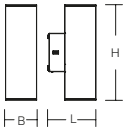
Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Light emission: down, Flood							
582028.00X	L 100, B 154, H 127	LED [1]	830	140 lm	4 W	on/off	A+
582028.00X.1	L 100, B 154, H 127	LED [1]	840	150 lm	4 W	on/off	A+
Light emission: up and down, Flood/Flood							
582030.00X	L 100, B 154, H 127	LED [1]	830	270 lm	8 W	on/off	A+
582030.00X.1	L 100, B 154, H 127	LED [1]	840	280 lm	8 W	on/off	A+
Light emission: up and down, Spot/Flood							
582029.00X	L 100, B 154, H 127	LED [1]	830	180 lm	7,5 W	on/off	A+
582029.00X.1	L 100, B 154, H 127	LED [1]	840	180 lm	7,5 W	on/off	A+
Light emission: up, Flood							
582037.00X	L 100, B 154, H 127	LED [1]	830	140 lm	4 W	on/off	A+
582037.00X.1	L 100, B 154, H 127	LED [1]	840	150 lm	4 W	on/off	A+
Light emission: up, Spot							
582038.00X	L 100, B 154, H 127	LED [1]	830	35 lm	3,5 W	on/off	A+
582038.00X.1	L 100, B 154, H 127	LED [1]	840	35 lm	3,5 W	on/off	A+
Wall luminaires for LEDPAR16 lamps							**Price Category 12**
Light emission: down							
582048.00X *	L 100, B 154, H 127	1 x LEDPAR16 4 W				on/off	A++
Light emission: up							
582049.00X *	L 100, B 154, H 127	1 x LEDPAR16 4 W				on/off	A++

* Beam angle depends on the LEDPAR16 lamp used



Wall luminaires | Techno



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Cover made of ceramic-coated toughened glass with bayonet lock. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. Screwless luminaire fixing via RZB Gravolock® System. With membrane valve as a standard to prevent condensed water. Electrical plug and play featuring quick connector. With mains voltage LED module. Cable entry granting two cables for loop-through.

Integral LED module, please place a separate order for LEDPAR16 lamps.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Light emission: up and down, Flood/Flood							
582024.00X	L 100, B 154, H 307	LED [1]	830	270 lm	8 W	on/off	A+
582024.00X.1	L 100, B 154, H 307	LED [1]	840	280 lm	8 W	on/off	A+
581645.00X	L 100, B 154, H 307	LED [1]	830	700 lm	19 W	on/off	A+
581645.00X.1	L 100, B 154, H 307	LED [1]	840	740 lm	19 W	on/off	A+
Light emission: up and down, Spot/Flood							
582023.00X	L 100, B 154, H 307	LED [1]	830	180 lm	7,5 W	on/off	A+
582023.00X.1	L 100, B 154, H 307	LED [1]	840	180 lm	7,5 W	on/off	A+
581646.00X	L 100, B 154, H 307	LED [1]	830	390 lm	13 W	on/off	A+
581646.00X.1	L 100, B 154, H 307	LED [1]	840	410 lm	13 W	on/off	A+
Wall luminaires for LEDPAR16 lamps							**Price Category 12**
Light emission: up and down							
582044.00X *	L 100, B 154, H 307	2 x LEDPAR16 4 W				on/off	A++

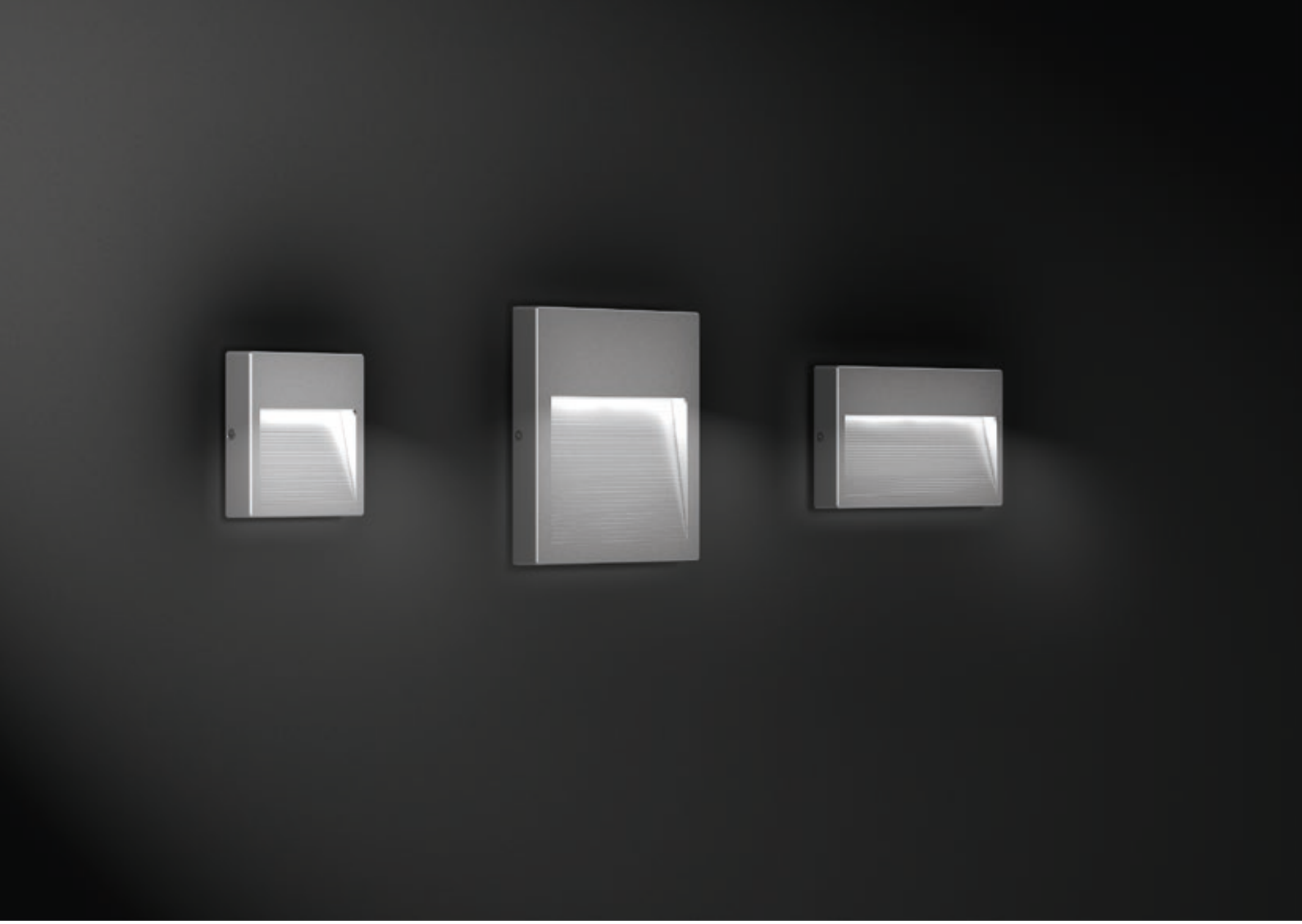
* Beam angle depends on the LEDPAR16 lamp used

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© bezikus

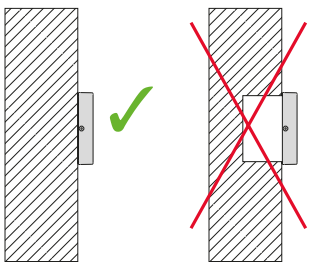
The application image shows:
Zono



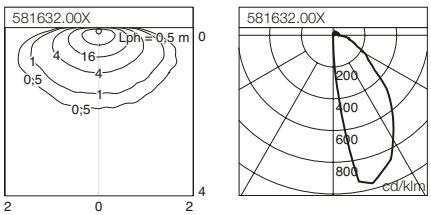
BRICK® EVO

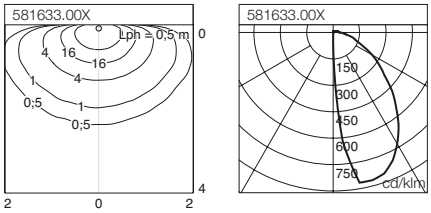
Wall luminaires

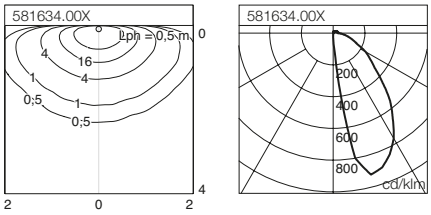
- Flat surface-mounted LED fitting for illumination of wall related areas such as stairs, ramps or corridors
- Only 24 mm depth, can be mounted directly over the cable outlet
- Choice of three models for ideal adaption to the surroundings
- Sturdy housing of non-corrosive pressure die-cast aluminium for outdoor application, powder coated with stainless steel screws
- Drill hole deviations can be compensated to achieve precise positioning



Brick EVO
The revolutionary surface-mounted luminaire with recessed appearance

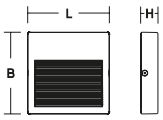






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Brick EVO





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK09

Corrosion-resistant aluminium pressure die-cast housing, powder coated. With compensation for drill hole deviations. Integral driver. Toughened glass cover. With connecting terminal up to 1 x 3 x 1.5 mm^2, for max. 13 mm diameter mains cable.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

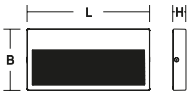
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Brick Evo Mini, asymmetrical light distribution							
581632.00X	L 120, B 120, H 24	LED	830	55 lm	4 W	on/off	A+
581632.00X.1	L 120, B 120, H 24	LED	840	55 lm	4 W	on/off	A+
Brick Evo Midi, asymmetrical light distribution							
581633.00X	L 200, B 200, H 24	LED	830	190 lm	10 W	on/off	A+
581633.00X.1	L 200, B 200, H 24	LED	840	190 lm	10 W	on/off	A+

Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 20 W QT12 (22 W CB)

LED 10 W ≈
1 x 8 W T16 (11 W EB)
1 x 50 W QT12 (50 W)

Wall luminaires | Brick EVO





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK09

Corrosion-resistant aluminium pressure die-cast housing, powder coated. With compensation for drill hole deviations. Integral driver. Toughened glass cover. With connecting terminal up to 1 x 3 x 1.5 mm^2, for max. 13 mm diameter mains cable.

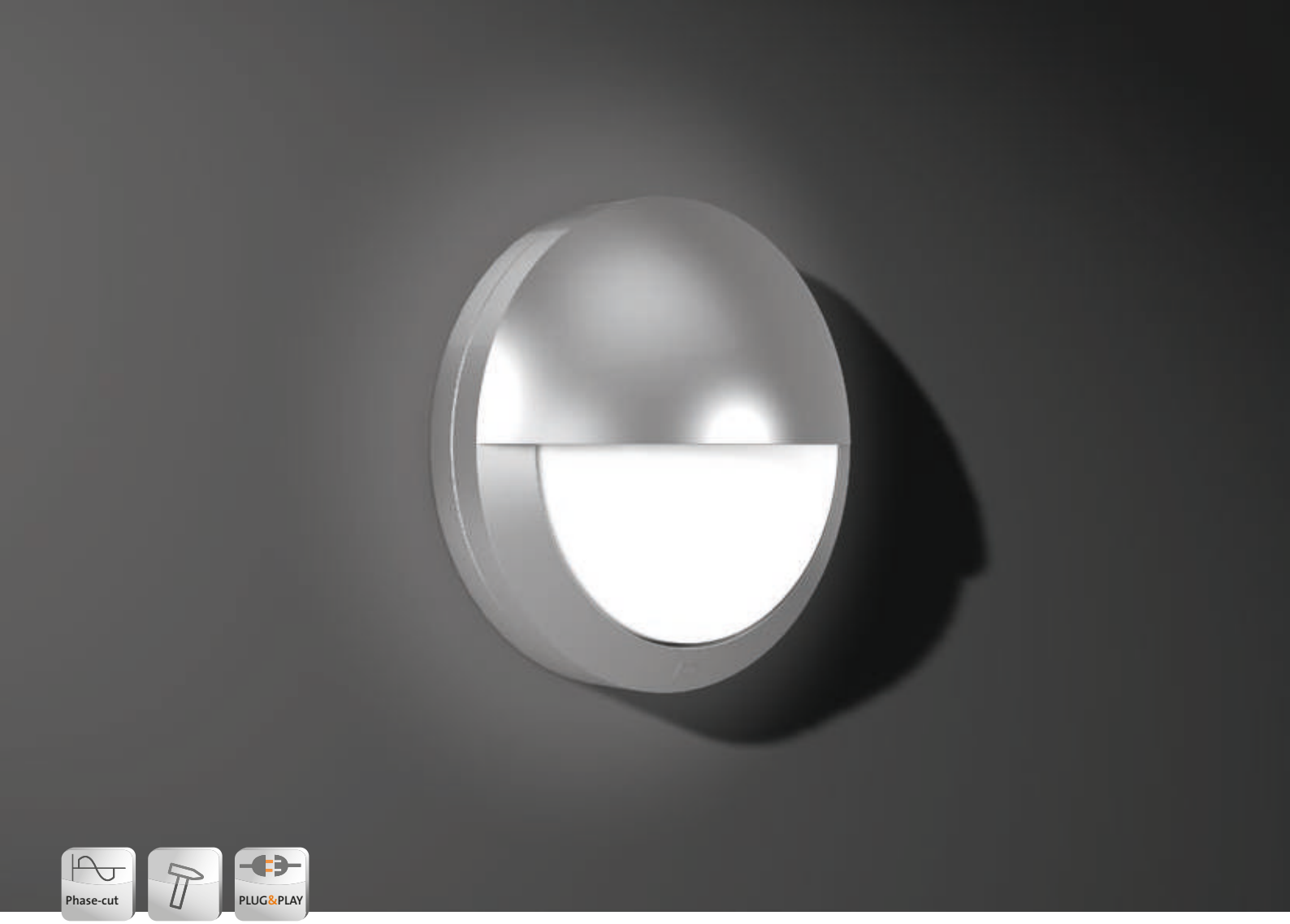
Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Brick Evo Duo, asymmetrical light distribution							
581634.00X	L 240, B 120, H 24	LED	830	180 lm	10 W	on/off	A+
581634.00X.1	L 240, B 120, H 24	LED	840	180 lm	10 W	on/off	A+

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 8 W T16 (11 W EB)
1 x 50 W QT12 (50 W)

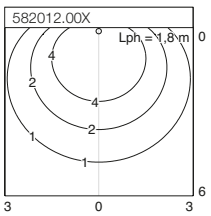


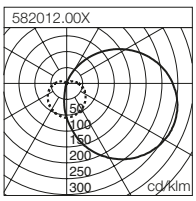


ROUNDED® MIDI

Wall luminaires

- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- LED: Smart and cost-saving LED modules for mains voltage on high efficiency level applied for energy saving operation
- Seawater resistant coating
- Replaceable LED module
- Second cable inlet for loop through
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Integral membrane valve for pressure compensation and prevention of condensation
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes
- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- The flat circular shape can be applied everywhere.



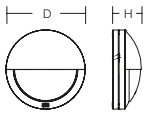


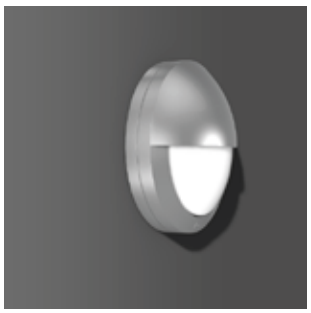


Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Rounded Midi





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (polycarbonate)

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Visor with crystal glass or plastic (polycarbonate) spherical cap diffuser retained in cover ring, screwless cover fixing via bayonet lock. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm².

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires with visor							**Price Category 12**
Glass							
582012.00X *	D 268, H 96	LED [1]	840	290 lm	10 W	on/off	A+
582057.00X *	D 268, H 96	LED [1]	830	370 lm	13 W	on/off	A+
582057.00X.1 *	D 268, H 96	LED [1]	840	400 lm	13 W	on/off	A+
582010.00X	D 268, H 96	1 x QA60 (clear)	57 W			on/off	A++ - E
Plastic (polycarbonate)							
582013.00X *	D 268, H 96	LED [1]	840	180 lm	10 W	on/off	A+
582058.00X *	D 268, H 96	LED [1]	830	300 lm	13 W	on/off	A+
582058.00X.1 *	D 268, H 96	LED [1]	840	300 lm	13 W	on/off	A+
582011.00X	D 268, H 96	1 x QA60 (clear)	57 W			on/off	A++ - E

* Suitable for phase cut dimming (10-100%)

Replacement glasses		Price Category 13
982512.002	D 232, H 61	

Replacement diffusers		Price Category 13
982516.002	D 226, H 60	

Replacement gasket		Price Category 12
982511.002	D 232, H 13	

Theft protection		Price Category 12
982410.003	L 13, B 11, H 16	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 40 W GLS (40 W)

LED 13 W ≈
1 x 60 W GLS (60 W)

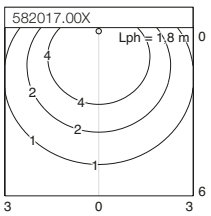


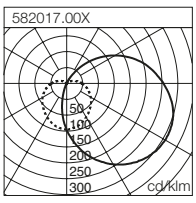
ALU-DESIGN

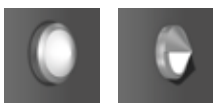
Wall luminaires

- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- LED: Smart and cost-saving LED modules for mains voltage on high efficiency level applied for energy saving operation
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Seawater resistant coating
- Second cable inlet for loop through
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes

- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Emergency versions for escape route lighting and central battery feed available
- Integral membrane valve for pressure compensation and prevention of condensation



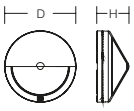




Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Alu-Design





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Opal glass cone diffuser retained in cover ring, screwless cover fixing via bayonet lock. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
582017.00X *	D 268, H 120	LED [1]	830	310 lm	10 W	on/off	A+
582017.00X.1 *	D 268, H 120	LED [1]	840	310 lm	10 W	on/off	A+
582060.00X *	D 268, H 120	LED [1]	830	320 lm	13 W	on/off	A+
582060.00X.1 *	D 268, H 120	LED [1]	840	340 lm	13 W	on/off	A+
582016.00X	D 268, H 120	1 x QA60 (clear) 57 W				on/off	A++ - E
Wall luminaires with movement sensor							**Price Category 12**
582017.00X.19	D 268, H 120	LED [1]	830	260 lm	10 W	on/off	A+
582017.00X.1.19	D 268, H 120	LED [1]	840	260 lm	10 W	on/off	A+
582060.00X.19	D 268, H 120	LED [1]	830	320 lm	13 W	on/off	A+
582060.00X.1.19	D 268, H 120	LED [1]	840	340 lm	13 W	on/off	A+
Wall luminaires with daylight sensor							**Price Category 12**
582017.00X.25	D 268, H 120	LED [1]	830	260 lm	10 W	on/off	A+
582017.00X.1.25	D 268, H 120	LED [1]	840	260 lm	10 W	on/off	A+

* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 13**
982514.002	D 232, H 84	

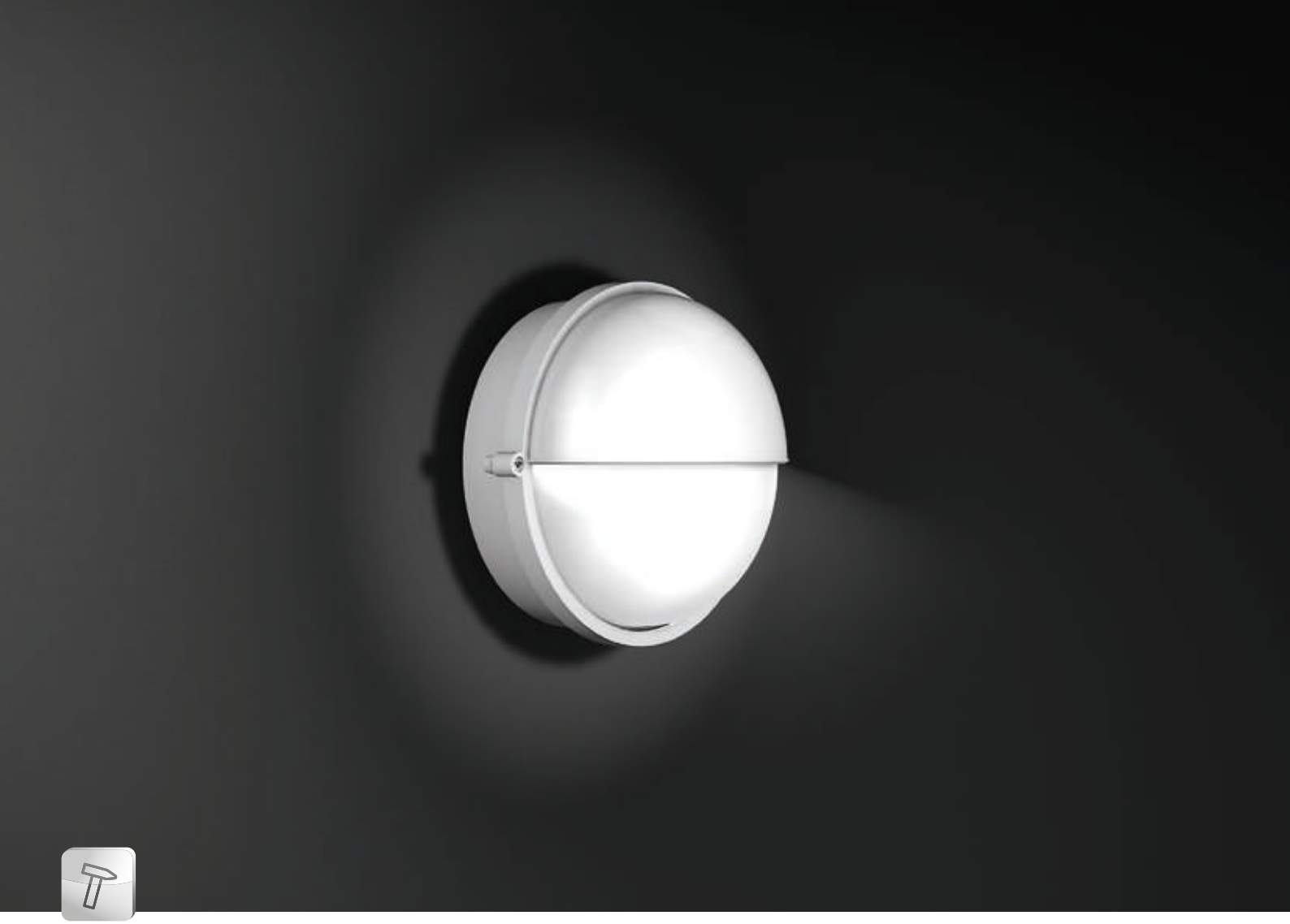
Replacement gasket		**Price Category 12**
982511.002	D 232, H 13	

Theft protection		**Price Category 12**
982410.003	L 13, B 11, H 16	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 10 W TC-D (16 W CB)

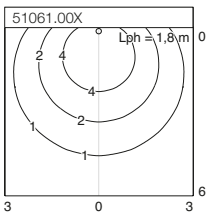
LED 13 W ≈
1 x 60 W GLS (60 W)

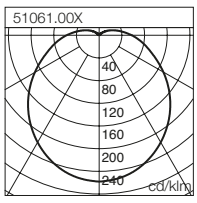


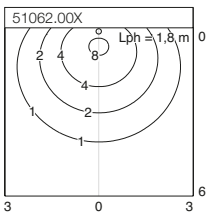
ALU-SUPERIOR

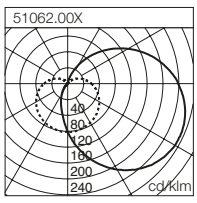
Wall luminaires, Ceiling and wall luminaires

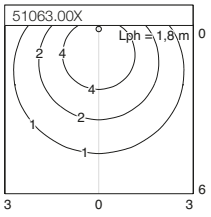
- Impact resistant plastic diffuser is suitable for robust neighbourhood requirements
- Seawater resistant coating
- LED: Smart and cost-saving LED modules for mains voltage on high efficiency level applied for energy saving operation
- High ingress protection rating supports continuous trouble-free operation
- A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.
- A second cable gland provides simple loop through without additional connection box
- Integral membrane valve for pressure compensation and prevention of condensation

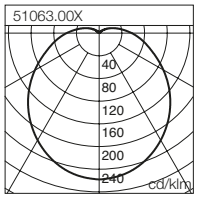






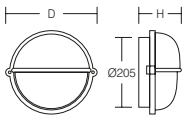






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Alu-Superior





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

Base and cover cap: die-cast aluminium, powder coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to prevent condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

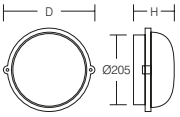
Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires with visor							**Price Category 12**
51062.00X	D 245, H 125	LED [1]	840	220 lm	9 W	on/off	A+
51051.00X	D 245, H 125	1 x QA60 (clear) 57 W				on/off	A++ - E
Replacement diffusers							**Price Category 13**
08-1837.002	D 214, H 68	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 40 W GLS (40 W)

Ceiling and wall luminaires | Alu-Superior





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

Base and cover ring: die-cast aluminium, powder coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to prevent condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

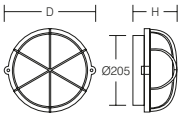
Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
51061.00X	D 245, H 120	LED [1]	840	350 lm	9 W	on/off	A+
51050.00X	D 245, H 120	1 x QA60 (clear) 57 W				on/off	A++ - E
Replacement diffusers							**Price Category 13**
08-1837.002	D 214, H 68	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 60 W GLS (60 W)

Ceiling and wall luminaires | Alu-Superior





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

Base and guard: die-cast aluminium, powder-coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to prevent condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires with protective guard							**Price Category 12**
51063.00X	D 245, H 125	LED [1]	840	350 lm	9 W	on/off	A+
51052.00X	D 245, H 125	1 x QA60 (clear) 57 W				on/off	A++ - E
Replacement diffusers							**Price Category 13**
08-1837.002	D 214, H 68	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 60 W GLS (60 W)



Phase-cut

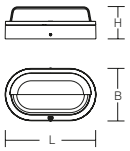
ALU-LUX OVAL

Wall luminaires, Ceiling and wall luminaires

- LED: Smart and cost-saving LED modules for mains voltage on high efficiency level applied for energy saving operation
- High ingress protection rating supports continuous trouble-free operation
- A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Seawater resistant coating
- Integral membrane valve for pressure compensation and prevention of condensation
- Second cable inlet for loop through

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Alu-Lux oval



Type of Protection: **IP 65**
Protection Class: I

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Crystal glass: matt inside. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. With mains voltage LED module.
Mains connection 2 x 3 x 2.5 mm². With membrane valve to prevent condensation.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
582065.00X *	L 258, B 148, H 92	LED (1)	830	190 lm	8 W	on/off	A+
582065.00X.1 *	L 258, B 148, H 92	LED (1)	840	190 lm	8 W	on/off	A+
582066.00X *	L 258, B 148, H 92	LED (1)	830	280 lm	12 W	on/off	A+
582066.00X.1 *	L 258, B 148, H 92	LED (1)	840	290 lm	12 W	on/off	A+

* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 11**
982587.002	L 234, B 124, H 45	

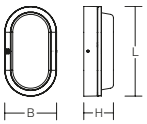
Replacement gasket		**Price Category 11**
982586.009	L 236, B 126, H 4	

Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 40 W GLS (40 W)
1 x 7 W TC-S (14 W CB)

LED 12 W ≈
1 x 60 W GLS (60 W)
1 x 9 W TC-S (16 W CB)

Ceiling and wall luminaires | Alu-Lux oval



Type of Protection: **IP 65**
Protection Class: I

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Crystal glass: matt inside. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. With mains voltage LED module.
Mains connection 2 x 3 x 2.5 mm². With membrane valve to prevent condensation.

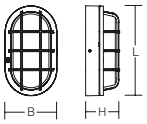
Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
582061.00X *	L 258, B 148, H 86	LED (1)	830	370 lm	8 W	on/off	A+
582061.00X.1 *	L 258, B 148, H 86	LED (1)	840	390 lm	8 W	on/off	A+
582062.00X *	L 258, B 148, H 86	LED (1)	830	560 lm	12 W	on/off	A+
582062.00X.1 *	L 258, B 148, H 86	LED (1)	840	580 lm	12 W	on/off	A+

* Suitable for phase cut dimming (10-100%)

Ceiling and wall luminaires | Alu-Lux oval



Type of Protection: **IP 65**
Protection Class: I

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Crystal glass: matt inside. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. With mains voltage LED module.
Mains connection 2 x 3 x 2.5 mm². With membrane valve to prevent condensation.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires with protective guard							**Price Category 12**
582063.00X *	L 258, B 148, H 95	LED (1)	830	300 lm	8 W	on/off	A+
582063.00X.1 *	L 258, B 148, H 95	LED (1)	840	310 lm	8 W	on/off	A+
582064.00X *	L 258, B 148, H 95	LED (1)	830	440 lm	12 W	on/off	A+
582064.00X.1 *	L 258, B 148, H 95	LED (1)	840	460 lm	12 W	on/off	A+

* Suitable for phase cut dimming (10-100%)

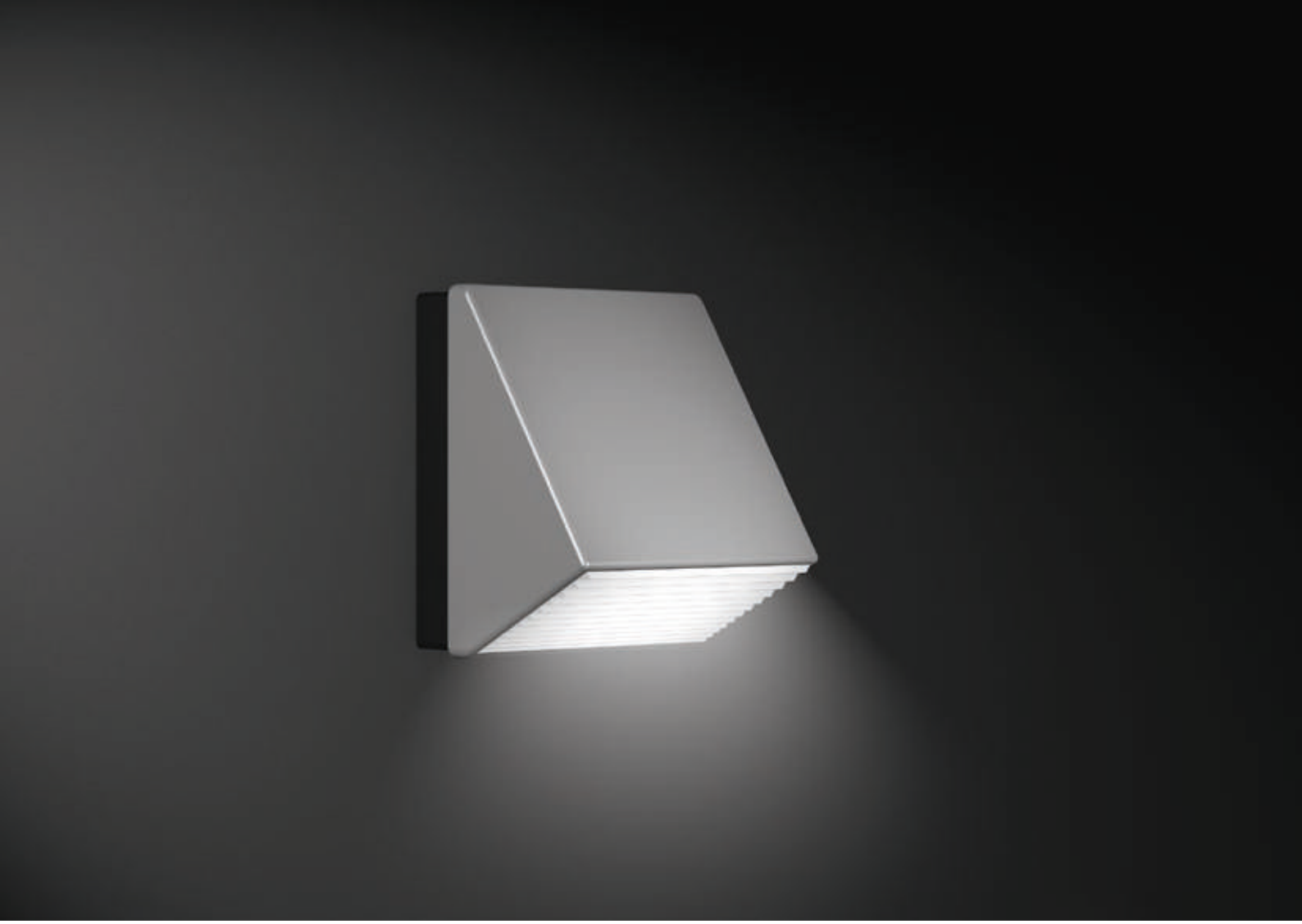
Replacement glasses		**Price Category 11**
982587.002	L 234, B 124, H 45	

Replacement gasket		**Price Category 11**
982586.009	L 236, B 126, H 4	

Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 60 W GLS (60 W)
1 x 9 W TC-S (16 W CB)

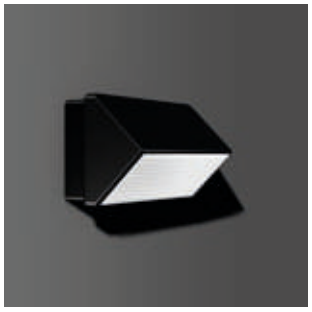
LED 12 W ≈
1 x 75 W GLS (75 W)
1 x 11 W TC-S (18 W CB)



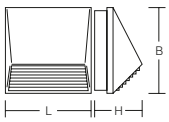


Comparison
LED vs. conventional lamps

LED 15 W ≈
1 x 40 W GLS (40 W)
1 x 18 W TC-D (26 W CB)



Rectangular luminaires | Wall Head



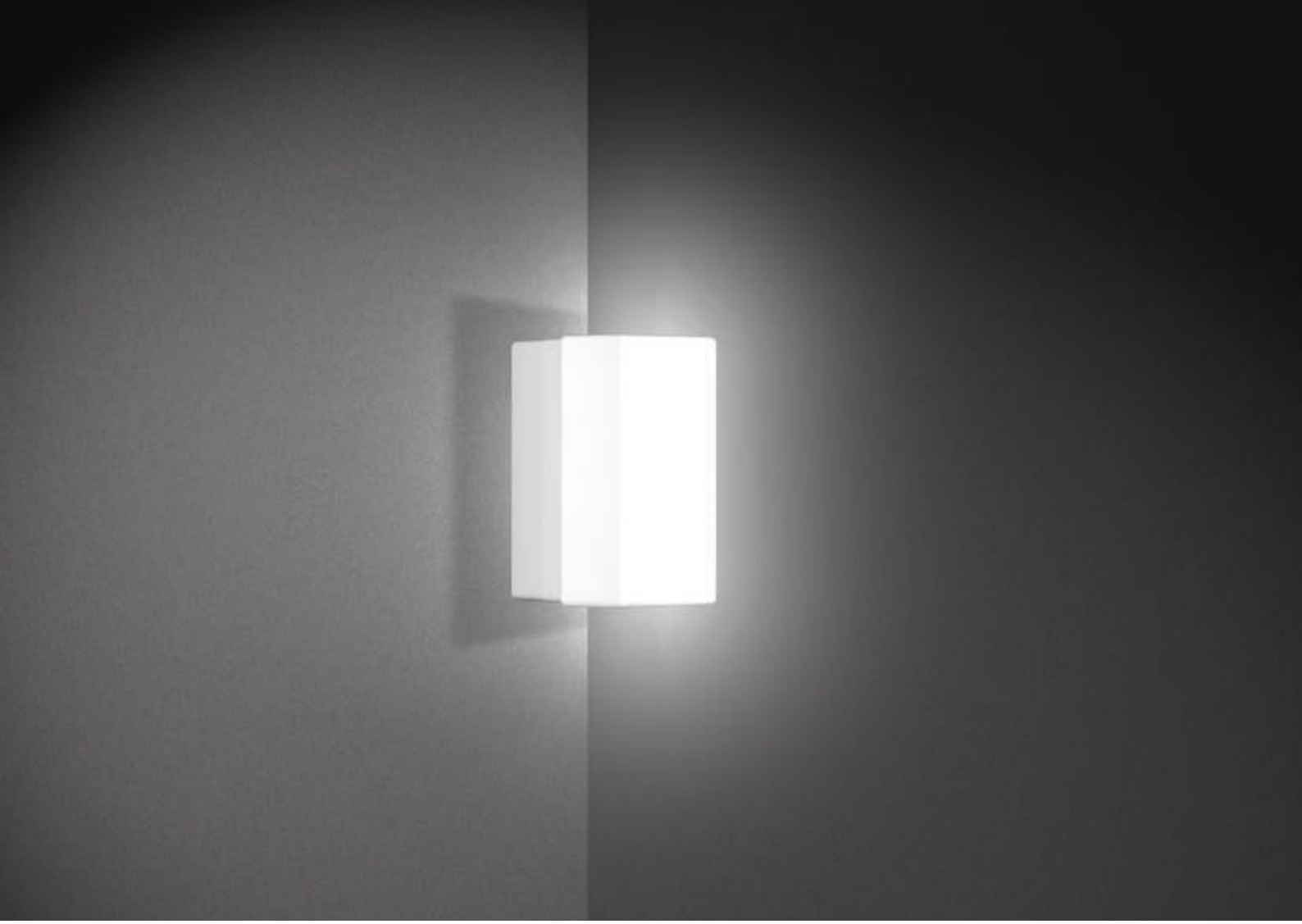
Type of Protection: **IP 44**
Protection Class: I, II = E27
Impact Protection: IK02

Base: plastic, black. Opal glass: mouth-blown, partially painted.
Diffuser fastening: spring system.

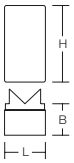
Available colours (X): 3 = black, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Short version							
201010.00X	L 225, B 125, H 100	1 x QA60 (clear) 30 W				on/off	A++ - E
Long version							
201030.00X	L 235, B 235, H 140	LED	830	260 lm	15 W	on/off	A+
201030.00X.1	L 235, B 235, H 140	LED	840	280 lm	15 W	on/off	A+
201012.00X	L 235, B 235, H 140	1 x QA60 (clear) 77 W				on/off	A++ - E
Replacement glasses							**Price Category 13**
05-251007.00X	L 225, B 125, H 85	Partially painted					
05-251005.00X	L 235, B 235, H 125	Partially painted					

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Wall luminaires | Rechteck





Type of Protection: **IP 44**
Protection Class: II
Impact Protection: IK02

Base: plastic, for corner mounting. Mouth-blown opal glass, satin finish or silk finish.
Diffuser fastening: spring system.

Available colours (X): 2 = white, 3 = black

Reference number	Dimensions	Lamp	dimm-able	EEC
Wall luminaires				**Price Category 11**
Glass: opal, silk finish,				
20136.00X	L 120, B 95, H 220	1 x E27® 60 W	on/off	A++ - E
Opal glass, satin finish				
21136.00X	L 120, B 95, H 220	1 x E27® 60 W	on/off	A++ - E

Replacement glasses			**Price Category 13**
05-20136	L 225, B 120, H 82	Glass, opal, silk finish	
05-21136	L 225, B 120, H 82	Opal glass, satin finish	



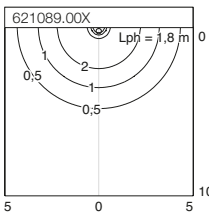
ZYLINDER OPAL | KUGEL OPAL

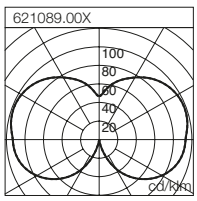
Wall luminaires

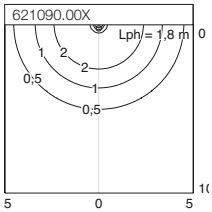
- Wall mounted luminaires with classic design
- Opal glass for glare-free appearance
- Robust plastic cylinders made of UV-stabilised polyethylene also allow use in environments with increased mechanical stress
- High-quality materials and manufacturing as well as the high protection rating ensure long-term trouble-free operation
- Seawater resistant coating
- LED: Smart and cost-saving LED modules for mains voltage on high efficiency level applied for energy saving operation

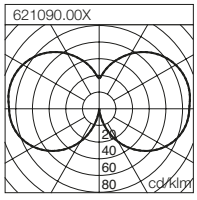


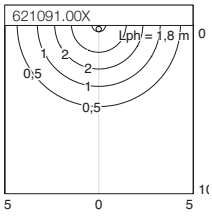
Further luminaires of this series, see:
Outdoor lighting | Bollards

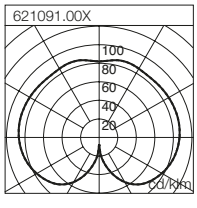






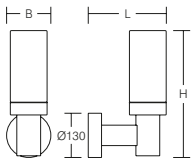






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Zylinder Opal





Type of Protection: **IP 65**, **IP 54** (with movement sensor)
Protection Class: I
Impact Protection: IK02 (Glass), IK02 (with movement sensor), IK07 (Polyethylene)

Base: pressure die-cast aluminium, powder-coated. Diffuser mouth blown opal glass, satin finish or opal plastic (PE) with bayonet lock. With mains voltage LED module.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

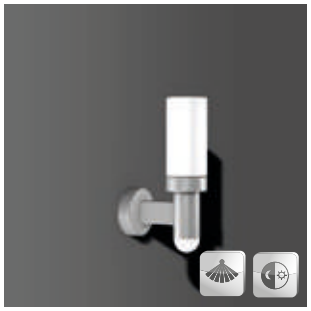
Wall luminaires with integrated IR movement sensor and daylight sensor

Switching capacity: max. 1,000 W (ohmic load)
Response time: 6 seconds - 8 minutes, adjustable
Light-sensitive response: 5 Lux - 2,000 Lux, adjustable
Mounting height: 2.0 - 2.5 m
Detection angle: horizontal 360°, vertical 25°
Detection range: 9 m

Comparison
LED vs. conventional lamps

LED 8,5 / 10 W ≈
1 x 60 W GLS (60 W)
1 x 26 W TC-D (34 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Cylinder opal glass, Ø 115							
621089.00X	L 230, B 130, H 370	LED [1]	830	550 lm	8,5 W	on/off	A+
621089.00X.1	L 230, B 130, H 370	LED [1]	840	570 lm	10 W	on/off	A+
621092.00X	L 230, B 130, H 370	1 x QA60 (clear) 77 W				on/off	A++ - E
Cylinder opal plastic (Polyethylene), Ø 115							
621095.00X	L 230, B 130, H 370	LED [1]	830	600 lm	8,5 W	on/off	A+
621095.00X.1	L 230, B 130, H 370	LED [1]	840	610 lm	10 W	on/off	A+
621096.00X	L 230, B 130, H 370	1 x QA60 (clear) 57 W				on/off	A++ - E
Cylinder opal glass, Ø 156							
621090.00X	L 250, B 156, H 490	LED [1]	830	590 lm	8,5 W	on/off	A+
621090.00X.1	L 250, B 156, H 490	LED [1]	840	610 lm	10 W	on/off	A+
621093.00X	L 250, B 156, H 490	1 x QA60 (clear) 116 W				on/off	A++ - C
Wall luminaires with movement sensor (integral daylight sensor)							**Price Category 12**
Cylinder opal glass, Ø 115							
621089.00X.19	L 230, B 130, H 410	LED [1]	830	550 lm	8,5 W	on/off	A+
621089.00X.1.19	L 230, B 130, H 410	LED [1]	840	570 lm	10 W	on/off	A+
621092.00X.19	L 230, B 130, H 410	1 x QA60 (clear) 77 W				on/off	A++ - C
Cylinder opal plastic (Polyethylene), Ø 115							
621095.00X.19	L 230, B 130, H 410	LED [1]	830	600 lm	8,5 W	on/off	A+
621095.00X.1.19	L 230, B 130, H 410	LED [1]	840	610 lm	10 W	on/off	A+
621096.00X.19	L 230, B 130, H 410	1 x QA60 (clear) 57 W				on/off	A++ - E
Cylinder opal glass, Ø 156							
621090.00X.19	L 250, B 156, H 530	LED [1]	830	590 lm	8,5 W	on/off	A+
621090.00X.1.19	L 250, B 156, H 530	LED [1]	840	610 lm	10 W	on/off	A+
621093.00X.19	L 250, B 156, H 530	1 x QA60 (clear) 116 W				on/off	A++ - C



Replacement glasses			Price Category 13
982108.002	D 115, H 230	Opal glass, satin finish	
982151.002	D 156, H 352	Opal glass, satin finish	

Replacement diffusers			Price Category 13
982142.002	D 115, H 230	plastic (polyethylene), opal, satin finish, h 210 mm	

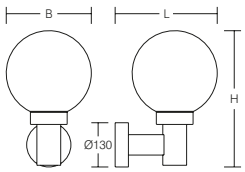


Comparison
LED vs. conventional lamps

LED 8,5 / 10 W ≈
1 x 60 W GLS (60 W)
1 x 26 W TC-D (34 W CB)



Wall luminaires | Kugel Opal



Type of Protection: **IP 65**, **IP 54** (with movement sensor)
Protection Class: I
Impact Protection: IK02

Base: pressure die-cast aluminium, powder-coated. Diffuser: mouth-blown opal glass, satin finish with bayonet lock. With mains voltage LED module.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

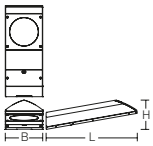
Wall luminaires with integrated IR movement sensor and daylight sensor

Switching capacity: max. 1,000 W (ohmic load)
Response time: 6 seconds - 8 minutes, adjustable
Light-sensitive response: 5 Lux - 2,000 Lux, adjustable
Mounting height: 2.0 - 2.5 m
Detection angle: horizontal 360°, vertical 25°
Detection range: 9 m

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Glass sphere D 300 mm							
621091.00X	L 325, B 300, H 440	LED [1]	830	570 lm	8,5 W	on/off	A+
621091.00X.1	L 325, B 300, H 440	LED [1]	840	590 lm	10 W	on/off	A+
621094.00X	L 325, B 300, H 440	1 x QA60 (clear) 77 W				on/off	A++ - E
Wall luminaires with movement sensor (integral daylight sensor)							**Price Category 12**
Glass sphere D 300 mm							
621091.00X.19	L 325, B 300, H 480	LED [1]	830	570 lm	8,5 W	on/off	A+
621091.00X.1.19	L 325, B 300, H 480	LED [1]	840	590 lm	10 W	on/off	A+
621094.00X.19	L 325, B 300, H 480	1 x QA60 (clear) 77 W				on/off	A++ - C
Replacement glasses							**Price Category 13**
982110.002	D 300, H 301	Opal glass, satin finish					



Wall luminaires | Slopia



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of corrosion-resistant Aluminium profiles and modular inserts as well as covers of pressure die-cast Aluminium, powder coated. Stainless steel wall bracket. With opal toughened glass diffuser. With mains voltage LED module.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Luminaire tilted 10° or 30° upwards.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 21**
Tilt angle 30 degrees							
611868.00X	L 470, B 220, H 300	LED [1]	830	710 lm	17 W	on/off	A+
611868.00X.1	L 470, B 220, H 300	LED [1]	840	820 lm	17 W	on/off	A+
Tilt angle 10 degrees							
611867.00X	L 535, B 220, H 172	LED [1]	830	710 lm	17 W	on/off	A+
611867.00X.1	L 535, B 220, H 172	LED [1]	840	820 lm	17 W	on/off	A+



Comparison
LED vs. conventional lamps

LED 17 W ≈
1 x 100 W GLS (100 W)



The application image shows:
Rounded Midi

© Fotostudio Lippmann


567

Rounded Midi
566-567


569


569

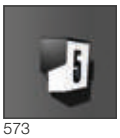
The Ultimate Ultra-flat
House Number Luminaire
568-569


570


571


572

Quadrat
570-572


573


573

Opal glass luminaires
573


574

Kreis
574


575


576

Opal glass luminaires
575-576

A	B	C	D	E
a	b	c	d	e
1	2	3	4	5
6	7	8	9	0

577

Self-adhesive black
numbers and letters
577



ROUNDED® MIDI

House number luminaires

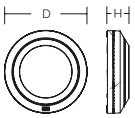
- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- LED: Smart and cost-saving LED modules for mains voltage on high LED-efficiency level applied for energy saving operation
- Seawater resistant coating
- Replaceable LED module
- Second cable inlet for loop through
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Integral membrane valve for pressure compensation and prevention of condensation
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes
- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover



Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

House number luminaires | Rounded Midi



Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (Polycarbonate)

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module and daylight sensor. Mains connection 2 x 3 x 1.5 mm^2.

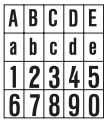
Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires with daylight sensor: On abt. 5 lx, Off abt. 40 lx							**Price Category 12**
Glass							
582004.00X.25	D 268, H 70	LED [1]	840	160 lm	4 W	on/off	A+
Plastic (polycarbonate)							
582005.00X.25	D 268, H 70	LED [1]	840	200 lm	4 W	on/off	A+
Replacement glasses							**Price Category 13**
982513.002	D 232, H 40						
Replacement diffusers							**Price Category 13**
982515.002	D 226, H 39						
Replacement gasket							**Price Category 12**
982511.002	D 232, H 13						
Theft protection							**Price Category 12**
982410.003	L 13, B 11, H 16						

Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 40 W GLS (40 W)



Self-adhesive black digits and letters can be found at the end of the chapter



© Fotostudio Lippmann

The application image shows:
Rounded Midi



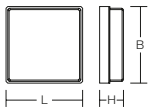
THE ULTIMATE ULTRA-FLAT HOUSE NUMBER LUMINAIRE

House number luminaires

- Smart, cost-effective LED modules for mains voltage with high total LED luminous efficiency for energy-saving operation
- Choice of positive or negative display of the house number
- Model without daylight sensor is also suitable, e.g. for illuminating passages
- Housing and equipment made of sturdy and durable materials to ensure years of trouble free operation

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

House number luminaires | The Ultimate Ultra-flat House Number Luminaire





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.
With mains voltage LED module.

Please place a separate order for your lettering!

Available colours (X): 2 = white, 3 = black, 4 = silver metallic

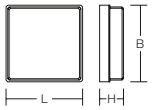
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
with daylight sensor: On abt. 5 lx, Off abt. 40 lx							
221167.00X.25	L 226, B 226, H 70	LED [1]	840	210 lm	4,8 W	on/off	A+
without daylight sensor							
221167.00X	L 226, B 226, H 70	LED [1]	840	210 lm	4,8 W	on/off	A+

Replacement diffusers			Price Category 13
08-221066.002	L 226, B 226, H 50		

Comparison
LED vs. conventional lamps

LED 4,8 W ≈
1 x 40 W GLS (40 W)
1 x 7 W TC-S (14 W CB)

House number luminaires | The Ultimate Ultra-flat House Number Luminaire





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK06

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.
With mains voltage LED module.

Lettering on negative film included.

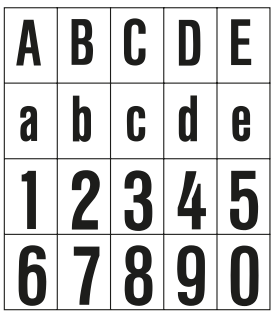
Please specify lettering when ordering!

Available colours: 3 = black, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
with transparency negative, black background							
221167.003.1	L 226, B 226, H 70	LED [1]	840	210 lm	4,8 W	on/off	A+
with transparency negative, silver background							
221167.004.2	L 226, B 226, H 70	LED [1]	840	210 lm	4,8 W	on/off	A+

Replacement diffusers			Price Category 13
08-221040/0001	L 226, B 226, H 50	with transparency negative, black background	
08-221040/0002	L 226, B 226, H 50	with transparency negative, silver background	

Accessories | Self-adhesive black numbers and letters for The Ultimate Ultra-flat House Number Luminaire series



Sturdy, firmly adhesive
The viewing distance depends on the height of the number. A 10 cm high number can still be read at a distance of 25 m. When ordering, please specify the required numbers or letters after the reference number.

Order example for lettering

99223.013.2 = Number 2 (number height: 120 mm)
99222.013.B = Capital letter B (letter height: 100 mm)
99222.013.B/K = Small letter b (letter height: 100 mm)

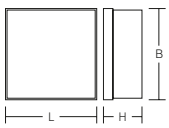
Reference number	Dimensions	
Adhesive lettering		**Price Category 12**
99221.013	H 60 mm	
99222.013	H 100 mm	
99223.013*	H 120 mm	

* Only digits and capital letters can be supplied





House number luminaires | Quadrat with daylight sensor



Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK02

Base: plastic. Diffuser: plastic, opal, satin finish. Diffuser fastening: spring system.
With mains voltage LED module.

Please place a separate order for your lettering!

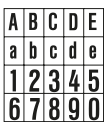
Available colour: 3 = black

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires with daylight sensor: On abt. 5 lx, Off abt. 40 lx							**Price Category 12**
221190.003.25	L 226, B 226, H 110	LED [1]	840	260 lm	4,8 W	on/off	A+
221191.003.25	L 270, B 270, H 115	LED [1]	840	270 lm	4,8 W	on/off	A+

Replacement diffusers		**Price Category 13**
08-22146	L 226, B 226, H 88	
08-22148	L 270, B 270, H 94	

Comparison
LED vs. conventional lamps

LED 4,8 W ≈
1 x 40 W GLS (40 W)
1 x 7 W TC-S (14 W CB)

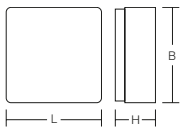


Self-adhesive black digits and letters can be found at the end of the chapter

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



House number luminaires | Quadrat with daylight sensor



Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK02

Base: plastic. Opal glass: mouth blown, silk finish. Diffuser fastening: spring system.
With mains voltage LED module.

Please place a separate order for your lettering!

Available colour: 3 = black

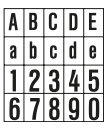
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires with daylight sensor: On abt. 5 lx, Off abt. 40 lx							**Price Category 12**
201026.003.1.25	L 240, B 240, H 110	LED [1]	840	260 lm	4,8 W	on/off	A+
201027.003.1.25	L 280, B 280, H 120	LED [1]	840	270 lm	4,8 W	on/off	A+

Replacement glasses			**Price Category 13**
05-20128	L 240, B 240, H 95	Glass neck, round	
05-20129	L 280, B 280, H 106	Glass neck, round	



Comparison
LED vs. conventional lamps

LED 4,8 W ≈
1 x 40 W GLS (40 W)
1 x 7 W TC-S (14 W CB)



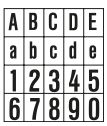
Self-adhesive black digits and letters can be found at the end of the chapter





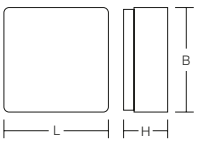
Comparison
LED vs. conventional lamps

LED 4,8 W ≈
1 x 40 W GLS (40 W)
1 x 7 W TC-S (14 W CB)



Self-adhesive black digits and letters can be found at the end of the chapter

House number luminaires | Alu-Quadrat with daylight sensor



Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK02

Base: pressure die-cast aluminium, powder-coated. Diffuser: mouth-blown opal glass, satin finish. Diffuser fastening: spring system. With mains voltage LED module.

Please place a separate order for your lettering!

Available colour: 3 = black

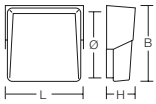
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires with daylight sensor: On abt. 5 lx, Off abt. 40 lx							**Price Category 12**
251050.003.1.25	L 240, B 240, H 110	LED	840	250 lm	4,8 W	on/off	A+
251051.003.1.25	L 280, B 280, H 120	LED	840	250 lm	4,8 W	on/off	A+

Replacement glasses			**Price Category 13**
05-21128	L 240, B 240, H 95	Glass neck, round	
05-21129	L 280, B 280, H 106	Glass neck, round	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



House number luminaires | Opal glass luminaires



Type of Protection: **IP 44** Protection Class: I, II for 20224.003 Impact Protection: IK02

Base: plastic. Top: aluminium, powder-coated. Opal glass: mouth blown, silk finish.
Diffuser fastening: spring system. With mains voltage LED module.

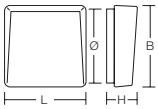
Please place a separate order for your lettering!

Available colour: 3 = black



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
with daylight sensor: On abt. 5 lx, Off abt. 40 lx							
201028.003.1.25	L 260, B 240, H 130	LED [1]	840	210 lm	4,8 W	on/off	A+
without daylight sensor							
201028.003.1	L 260, B 240, H 130	LED [1]	840	210 lm	4,8 W	on/off	A+
20224.003	L 260, B 240, H 130	1 x E27®	60 W			on/off	A++ - E

House number luminaires | Opal glass luminaires



Type of Protection: **IP 44** Protection Class: I, II for 20124.003 Impact Protection: IK02

Base: plastic. Opal glass: mouth blown, silk finish. Diffuser fastening: spring system. With mains voltage LED module.

Please place a separate order for your lettering!

Available colour: 3 = black



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
201029.003.1	L 235, B 225, H 125	LED [1]	840	270 lm	4,8 W	on/off	A+
20124.003	L 235, B 225, H 125	1 x E27®	60 W			on/off	A++ - E

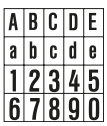
Replacement glasses		**Price Category 13**
05-20124	L 235, B 225, H 109	





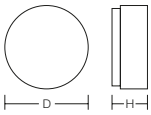
Comparison
LED vs. conventional lamps

LED 4,8 W ≈
1 x 40 W GLS (40 W)
1 x 7 W TC-S (14 W CB)



Self-adhesive black digits and letters can be found at the end of the chapter

House number luminaires | Kreis with daylight sensor



Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK02

Base: plastic. Opal glass: mouth blown, silk finish. Diffuser fastening: spring system.
With mains voltage LED module.

Please place a separate order for your lettering!

Available colour: 3 = black

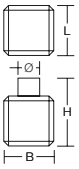
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires with daylight sensor: On abt. 5 lx, Off abt. 40 lx							**Price Category 12**
201024.003.1.25	D 230, H 110	LED [1]	840	270 lm	4,8 W	on/off	A+
201025.003.1.25	D 280, H 120	LED [1]	840	280 lm	4,8 W	on/off	A+

Replacement glasses		Price Category 13
05-20101	D 230, H 95	
05-20102	D 280, H 99	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



House number luminaires | Opal glass luminaires



Type of Protection: **IP 44**
Protection Class: II
Impact Protection: IK02

Base: plastic. Opal glass: mouth-blown, satin finish. Glass fastening: retaining screws. Lettering can be applied on several sides.

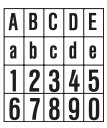
Please place a separate order for your lettering!

Available colour: 3 = black



Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling luminaires				**Price Category 12**
61734.003	L 215, B 215, H 285	1 x QA60 (clear) 77 W	on/off	A++ - E

Replacement glasses		**Price Category 13**
05-61034	L 215, B 215, H 237	

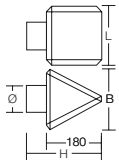


Self-adhesive black digits and letters can be found at the end of the chapter





House number luminaires | Opal glass luminaires



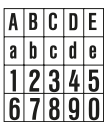
Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK02

Base: metal, powder-coated. Opal glass: mouth blown, silk finish. Glass fastening: retaining screws. Lettering can be applied on several sides.

Please place a separate order for your lettering!

Available colour: 3 = black

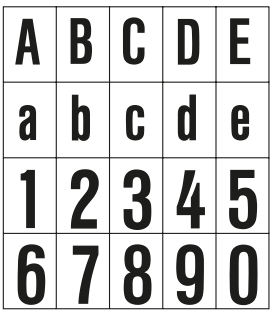
Reference number	Dimensions	Lamp	dimm-able	EEC
Wall luminaires				**Price Category 12**
61818.003	L 205, B 205, H 220	1 x QA60 (clear) 57 W	on/off	A++ - E
Replacement glasses				**Price Category 13**
05-61818	L 203, B 202, H 202			



Self-adhesive black digits and letters can be found at the end of the chapter

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Accessories | Self-adhesive black numbers and letters (not for The Ultimate Ultra-flat House Number Luminaire series)



The viewing distance depends on the height of the number. A 10 cm high number can still be read at a distance of 25 m. When ordering, please specify the required numbers or letters after the reference number.

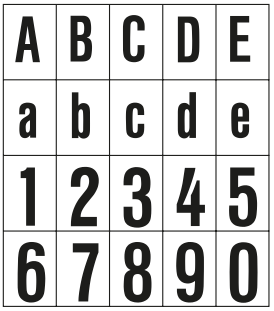
Order example for lettering

99220.003.2 = Number 2
99220.003.B = Capital letter B
99220.003.B/K = Small letter b

Reference number	Dimensions	
Adhesive lettering		**Price Category 12**
99220.003	H 40 mm	
99221.003	H 60 mm	
99222.003	H 100 mm	
99223.003*	H 120 mm	
99224.003*	H 200 mm	

* Only digits and capital letters can be supplied

Accessories | Self-adhesive black numbers and letters for The Ultimate Ultra-flat House Number Luminaire series



Sturdy, firmly adhesive
The viewing distance depends on the height of the number. A 10 cm high number can still be read at a distance of 25 m. When ordering, please specify the required numbers or letters after the reference number.

Order example for lettering

99223.013.2 = Number 2 (number height: 120 mm)
99222.013.B = Capital letter B (letter height: 100 mm)
99222.013.B/K = Small letter b (letter height: 100 mm)

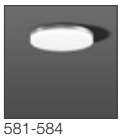
Reference number	Dimensions	
Adhesive lettering		**Price Category 12**
99221.013	H 60 mm	
99222.013	H 100 mm	
99223.013*	H 120 mm	

* Only digits and capital letters can be supplied

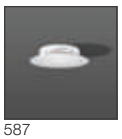


The application image shows:
Rounded Midi

© Fotostudio Lippmann


581-584

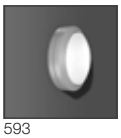
Flat Slim
580-585

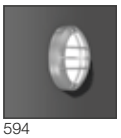

587

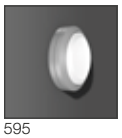
Mondana-A
586-587


589

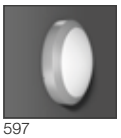
Flat Polymero
Sensation Kreis
588-589

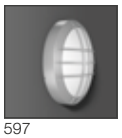

593


594


595

Rounded Midi
592-595


597


597

Rounded Maxi
596-597

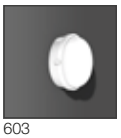

599


599

Cadero
598-599

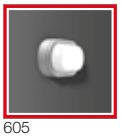

601

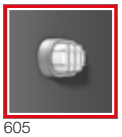
Alu-Design
600-601


603


603

Alu-Superior
602-603


605


605

Alu-Lux oval
604-605


607


607


607

Alu oval bulkhead
luminaires
606-607



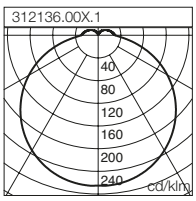
FLAT SLIM

Ceiling and wall luminaires

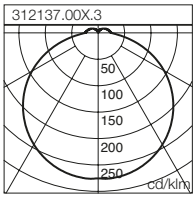
- Base made of die-cast aluminium
- Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish
- Diffuser mounting without use of tools, thanks to bayonet fixing
- Particularly homogeneous, soft and glare-free light thanks to the use of AC boards
- High ingress protection rating: IP 65
- Standard Gore™ Protective Vents diaphragm valve to avoid condensation
- Very easy installation thanks to plug & play connection

- LED module can be replaced without use of tools
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- Colour consistency within 3-steps MacAdam (3 SDCM)
- LED rated life 50,000 h (L70, B10)
- DALI and master boards suitable for DC voltage from 176-276 V; luminaire flux in DC mode 25%

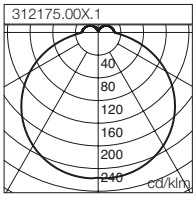
312136.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	8	14



312137.00X.3		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	5	8

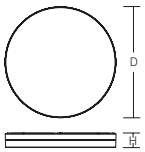


312175.00X.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	10



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Slim





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Base: pressure die-cast aluminium, powder-coated. Opal glass: mouth-blown, satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth control for wireless network and operation using Android / iOS devices, free app available for download.

Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Glass							
D 230 mm							
312132.00X *	D 230, H 63	LED (1)	830	1000 lm	13 W	on/off	A+
312132.00X.76 **	D 230, H 63	LED (1)	830	1000 lm	13 W	DALI	A+
312132.00X.1 *	D 230, H 63	LED (1)	840	1000 lm	13 W	on/off	A+
312132.00X.1.76 **	D 230, H 63	LED (1)	840	1000 lm	13 W	DALI	A+
D 300 mm							
312133.00X *	D 300, H 63	LED (1)	830	1500 lm	21 W	on/off	A+
312133.00X.730 **	D 300, H 63	LED (1)	830	1500 lm	21 W	smart+free	A+
312133.00X.76 **	D 300, H 63	LED (1)	830	1500 lm	21 W	DALI	A+
312133.00X.1 *	D 300, H 63	LED (1)	840	1600 lm	21 W	on/off	A+
312133.00X.1.730	D 300, H 63	LED (1)	840	1600 lm	21 W	smart+free	A+
312133.00X.1.76 **	D 300, H 63	LED (1)	840	1600 lm	21 W	DALI	A+
D 400 mm							
312174.00X *	D 400, H 70	LED (1)	830	2200 lm	27 W	on/off	A+
312174.00X.730	D 400, H 70	LED (1)	830	2200 lm	27 W	smart+free	A+
312174.00X.76 **	D 400, H 70	LED (1)	830	2200 lm	27 W	DALI	A+
312174.00X.1 *	D 400, H 70	LED (1)	840	2300 lm	27 W	on/off	A+
312174.00X.1.730	D 400, H 70	LED (1)	840	2300 lm	27 W	smart+free	A+
312174.00X.1.76 **	D 400, H 70	LED (1)	840	2300 lm	27 W	DALI	A+
D 480 mm							
312134.00X	D 480, H 70	LED (1)	830	2600 lm	33 W	on/off	A+
312134.00X.76 **	D 480, H 70	LED (1)	830	2600 lm	33 W	DALI	A+
312134.00X.1	D 480, H 70	LED (1)	840	2700 lm	33 W	on/off	A+
312134.00X.1.76 **	D 480, H 70	LED (1)	840	2700 lm	33 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement glasses		Price Category 13
05-1969.002	D 230, H 51	
05-1970.002	D 300, H 51	
05-312174.002	D 400, H 58	
05-1971.002	D 480, H 59	

Replacement LED module for Series Flat Slim			Price Category 11
E90-6706.000	D 170, H 22	1 x LED 13 W 3000 K	
E90-6706.010	D 170, H 22	1 x LED 13 W 4000 K	
E90-6843.020	D 170, H 22	1 x LED 13 W 3000 K, DALI	
E90-6843.020.1	D 170, H 22	1 x LED 13 W 4000 K, DALI	
E90-6707.000	D 240, H 22	1 x LED 21 W 3000 K	
E90-6707.010	D 240, H 22	1 x LED 21 W 4000 K	
E90-6844.020	D 240, H 22	1 x LED 21 W 3000 K, DALI	
E90-6844.020.1	D 240, H 22	1 x LED 21 W 4000 K, DALI	
E90-6823.000	D 335, H 25	1 x LED 27 W 3000 K	
E90-6823.010	D 335, H 25	1 x LED 27 W 4000 K	
E90-6823.000.76	D 335, H 25	1 x LED 27 W 3000 K, DALI	
E90-6823.010.76	D 335, H 25	1 x LED 27 W 4000 K, DALI	
E90-6708.000	D 420, H 22	1 x LED 33 W 3000 K	
E90-6708.010	D 420, H 22	1 x LED 33 W 4000 K	
E90-6708.000.76	D 420, H 22	1 x LED 33 W 3000 K, DALI	
E90-6708.010.76	D 420, H 22	1 x LED 33 W 4000 K, DALI	

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 18 W TC-D (52 W CB)

LED 27 W ≈
2 x 26 W TC-D (68 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)



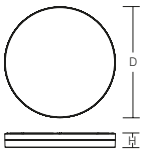
Applies to versions with .19

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 18 W TC-D (52 W CB)

Ceiling and wall luminaires | Flat Slim with movement sensor



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Base: pressure die-cast aluminium, powder-coated. Opal glass: mouth-blown, satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

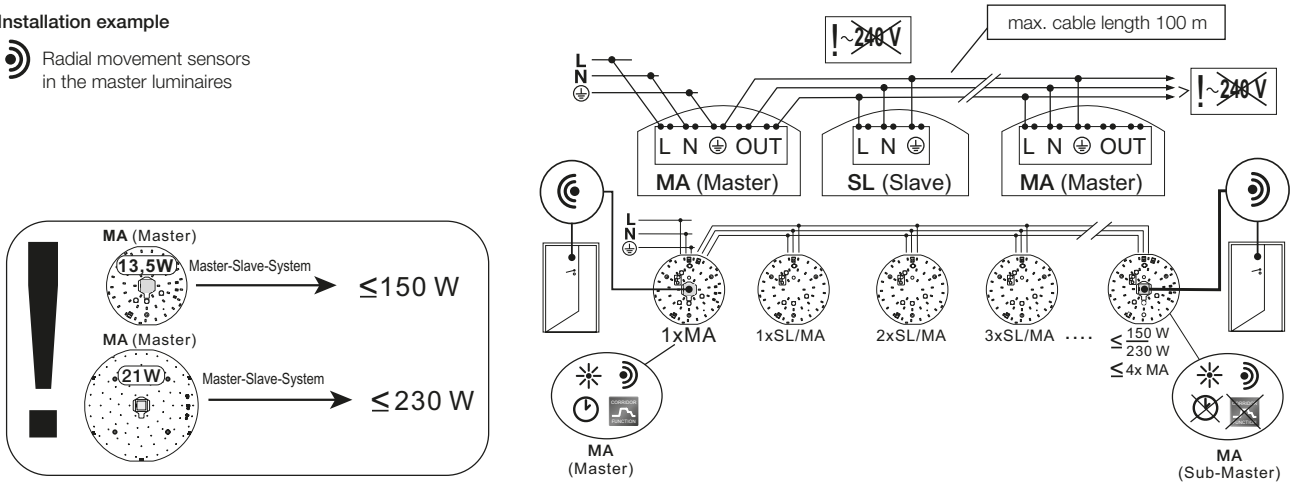
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Glass								
D 230 mm								
312132.00X.19	D 230, H 63	LED [1]	830	1000 lm	13 W	Master	on/off	A+
312132.00X.191	D 230, H 63	LED [1]	830	1000 lm	13 W	Slave	on/off	A+
312132.00X.1.19	D 230, H 63	LED [1]	840	1000 lm	13 W	Master	on/off	A+
312132.00X.1.191	D 230, H 63	LED [1]	840	1000 lm	13 W	Slave	on/off	A+
D 300 mm								
312133.00X.19	D 300, H 63	LED [1]	830	1500 lm	21 W	Master	on/off	A+
312133.00X.191	D 300, H 63	LED [1]	830	1500 lm	21 W	Slave	on/off	A+
312133.00X.1.19	D 300, H 63	LED [1]	840	1600 lm	21 W	Master	on/off	A+
312133.00X.1.191	D 300, H 63	LED [1]	840	1600 lm	21 W	Slave	on/off	A+

Replacement glasses		Price Category 13
05-1969.002	D 230, H 51	
05-1970.002	D 300, H 51	

Replacement LED module for Series Flat Slim		Price Category 11
E90-6843.000	D 170, H 22	1 x LED 13 W 3000 K, Slave
E90-6843.000.1	D 170, H 22	1 x LED 13 W 4000 K, Slave
E90-6843.010	D 170, H 22	1 x LED 13 W 3000 K, Master
E90-6843.010.1	D 170, H 22	1 x LED 13 W 4000 K, Master
E90-6844.000	D 240, H 22	1 x LED 21 W 3000 K, Slave
E90-6844.000.1	D 240, H 22	1 x LED 21 W 4000 K, Slave
E90-6844.010	D 240, H 22	1 x LED 21 W 3000 K, Master
E90-6844.010.1	D 240, H 22	1 x LED 21 W 4000 K, Master

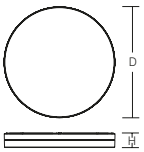
Installation example

Radial movement sensors in the master luminaires



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | LED [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Flat Slim





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Versions with smart+free Bluetooth control for wireless network and operation using Android / iOS devices, free app available for download.

Touch DIM Sensor — Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diffuser: plastic (PMMA)							
D 230 mm							
312135.00X *	D 230, H 63	LED (1)	830	1150 lm	13 W	on/off	A+
312135.00X.76 **	D 230, H 63	LED (1)	830	1150 lm	13 W	DALI	A+
312135.00X.1 *	D 230, H 63	LED (1)	840	1100 lm	13 W	on/off	A+
312135.00X.1.76 **	D 230, H 63	LED (1)	840	1100 lm	13 W	DALI	A+
D 300 mm							
312136.00X *	D 300, H 63	LED (1)	830	1800 lm	21 W	on/off	A+
312136.00X.730	D 300, H 63	LED (1)	830	1800 lm	21 W	smart+free	A+
312136.00X.76 **	D 300, H 63	LED (1)	830	1800 lm	21 W	DALI	A+
312136.00X.1 *	D 300, H 63	LED (1)	840	1900 lm	21 W	on/off	A+
312136.00X.1.730	D 300, H 63	LED (1)	840	1900 lm	21 W	smart+free	A+
312136.00X.1.76 **	D 300, H 63	LED (1)	840	1900 lm	21 W	DALI	A+
D 400 mm							
312175.00X *	D 400, H 70	LED (1)	830	2350 lm	27 W	on/off	A+
312175.00X.730	D 400, H 70	LED (1)	830	2350 lm	27 W	smart+free	A+
312175.00X.76 **	D 400, H 70	LED (1)	830	2350 lm	27 W	DALI	A+
312175.00X.1 *	D 400, H 70	LED (1)	840	2500 lm	27 W	on/off	A+
312175.00X.1.730	D 400, H 70	LED (1)	840	2500 lm	27 W	smart+free	A+
312175.00X.1.76 **	D 400, H 70	LED (1)	840	2500 lm	27 W	DALI	A+
D 480 mm							
312137.00X	D 480, H 70	LED (1)	830	3000 lm	33 W	on/off	A+
312137.00X.76 **	D 480, H 70	LED (1)	830	3000 lm	33 W	DALI	A+
312137.00X.1	D 480, H 70	LED (1)	840	3100 lm	33 W	on/off	A+
312137.00X.1.76 **	D 480, H 70	LED (1)	840	3100 lm	33 W	DALI	A+
Diffuser: plastic (polycarbonate)							
D 230 mm							
312135.00X.2 *	D 230, H 63	LED (1)	830	1300 lm	13 W	on/off	A+
312135.00X.2.76 **	D 230, H 63	LED (1)	830	1300 lm	13 W	DALI	A+
312135.00X.3 *	D 230, H 63	LED (1)	840	1300 lm	13 W	on/off	A+
312135.00X.3.76 **	D 230, H 63	LED (1)	840	1300 lm	13 W	DALI	A+
D 300 mm							
312136.00X.2 *	D 300, H 63	LED (1)	830	1900 lm	21 W	on/off	A+
312136.00X.2.730	D 300, H 63	LED (1)	830	1900 lm	21 W	smart+free	A+
312136.00X.2.76 **	D 300, H 63	LED (1)	830	1900 lm	21 W	DALI	A+
312136.00X.3 *	D 300, H 63	LED (1)	840	2000 lm	21 W	on/off	A+
312136.00X.3.730	D 300, H 63	LED (1)	840	2000 lm	21 W	smart+free	A+
312136.00X.3.76 **	D 300, H 63	LED (1)	840	2000 lm	21 W	DALI	A+
D 400 mm							
312175.00X.2 *	D 400, H 70	LED (1)	830	2650 lm	27 W	on/off	A+
312175.00X.2.730	D 400, H 70	LED (1)	830	2650 lm	27 W	smart+free	A+
312175.00X.2.76 **	D 400, H 70	LED (1)	830	2650 lm	27 W	DALI	A+
312175.00X.3 *	D 400, H 70	LED (1)	840	2800 lm	27 W	on/off	A+
312175.00X.3.730	D 400, H 70	LED (1)	840	2800 lm	27 W	smart+free	A+
312175.00X.3.76 **	D 400, H 70	LED (1)	840	2800 lm	27 W	DALI	A+
D 480 mm							
312137.00X.2	D 480, H 70	LED (1)	830	3300 lm	33 W	on/off	A+
312137.00X.2.76 **	D 480, H 70	LED (1)	830	3300 lm	33 W	DALI	A+
312137.00X.3	D 480, H 70	LED (1)	840	3400 lm	33 W	on/off	A+
312137.00X.3.76 **	D 480, H 70	LED (1)	840	3400 lm	33 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)

Replacement diffusers			Price Category 13
08-2118.002	D 230, H 55	Plastic (PMMA)	
08-2118.012	D 230, H 55	Plastic (polycarbonate)	
08-2119.002	D 300, H 55	Plastic (PMMA)	
08-2119.012	D 300, H 55	Plastic (polycarbonate)	
08-312175.002	D 400, H 62	Plastic (PMMA)	
08-312175.012	D 400, H 62	Plastic (polycarbonate)	
08-2120.002	D 480, H 62	Plastic (PMMA)	
08-2120.012	D 480, H 62	Plastic (polycarbonate)	

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

LED 27 W ≈
3 x 18 W TC-D (78 W CB)

LED 33 W ≈
3 x 26 W TC-D (102 W CB)



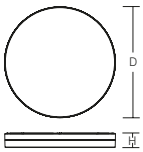
Applies to versions with .19

Comparison LED vs. conventional lamps

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
2 x 26 W TC-D (68 W CB)

Ceiling and wall luminaires | Flat Slim with movement sensor



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: bayonet system. LED module can be connected without use of tools.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Functional parameters of a master luminaire with a ceiling height of approx. 2.8 m:

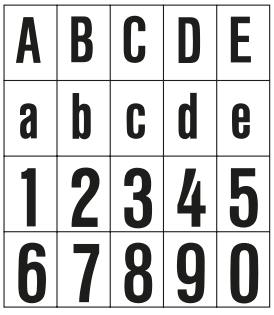
- HF detector 24 GHz with integrated corridor function
- Detection range approx. 130° radial
- Easy adjustment of functions via 3 associated push button switches
- Sensitivity/Range 0.5 - 5 m radial, adjustable from 10-100%
- Time control 1 second to 15 minutes in 8 different levels
- Daylight detection with 5 brightness levels and learning mode
- Up to 9 slave luminaires can be operated with one master luminaire (max. up to 150 W / 230 W)
- Suitable for outdoor use to a limited extent only, as it is sensitive to all movements.

AC movement sensor luminaires with 24 GHz technology (Master / Slave) are not compatible with other movement sensor luminaires.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		dimm-able	EEC
Ceiling and wall luminaires with integrated movement sensor								**Price Category 11**
Diffuser: plastic (PMMA)								
D 230 mm								
312135.00X.19	D 230, H 63	LED [1]	830	1150 lm	13 W	Master	on/off	A+
312135.00X.191	D 230, H 63	LED [1]	830	1150 lm	13 W	Slave	on/off	A+
312135.00X.1.19	D 230, H 63	LED [1]	840	1100 lm	13 W	Master	on/off	A+
312135.00X.1.191	D 230, H 63	LED [1]	840	1100 lm	13 W	Slave	on/off	A+
D 300 mm								
312136.00X.19	D 300, H 63	LED [1]	830	1800 lm	21 W	Master	on/off	A+
312136.00X.191	D 300, H 63	LED [1]	830	1800 lm	21 W	Slave	on/off	A+
312136.00X.1.19	D 300, H 63	LED [1]	840	1900 lm	21 W	Master	on/off	A+
312136.00X.1.191	D 300, H 63	LED [1]	840	1900 lm	21 W	Slave	on/off	A+
Diffuser: plastic (polycarbonate)								
D 230 mm								
312135.00X.2.19	D 230, H 63	LED [1]	830	1300 lm	13 W	Master	on/off	A+
312135.00X.2.191	D 230, H 63	LED [1]	830	1300 lm	13 W	Slave	on/off	A+
312135.00X.3.19	D 230, H 63	LED [1]	840	1300 lm	13 W	Master	on/off	A+
312135.00X.3.191	D 230, H 63	LED [1]	840	1300 lm	13 W	Slave	on/off	A+
D 300 mm								
312136.00X.2.19	D 300, H 63	LED [1]	830	1900 lm	21 W	Master	on/off	A+
312136.00X.2.191	D 300, H 63	LED [1]	830	1900 lm	21 W	Slave	on/off	A+
312136.00X.3.19	D 300, H 63	LED [1]	840	2000 lm	21 W	Master	on/off	A+
312136.00X.3.191	D 300, H 63	LED [1]	840	2000 lm	21 W	Slave	on/off	A+

Reference number	Dimensions		
Replacement diffusers			**Price Category 13**
08-2118.002	D 230, H 55	Plastic (PMMA)	
08-2118.012	D 230, H 55	Plastic (polycarbonate)	
08-2119.002	D 300, H 55	Plastic (PMMA)	
08-2119.012	D 300, H 55	Plastic (polycarbonate)	

Reference number	Dimensions		
Replacement LED module for Series Flat Slim			**Price Category 11**
E90-6843.000	D 170, H 22	1 x LED 13 W 3000 K, Slave	
E90-6843.000.1	D 170, H 22	1 x LED 13 W 4000 K, Slave	
E90-6843.010	D 170, H 22	1 x LED 13 W 3000 K, Master	
E90-6843.010.1	D 170, H 22	1 x LED 13 W 4000 K, Master	
E90-6844.000	D 240, H 22	1 x LED 21 W 3000 K, Slave	
E90-6844.000.1	D 240, H 22	1 x LED 21 W 4000 K, Slave	
E90-6844.010	D 240, H 22	1 x LED 21 W 3000 K, Master	
E90-6844.010.1	D 240, H 22	1 x LED 21 W 4000 K, Master	



Accessories | Self-adhesive black numbers and letters

The viewing distance depends on the height of the number. A 10 cm high number can still be read at a distance of 25 m. When ordering, please specify the required numbers or letters after the reference number.

Order example for lettering

99220.003.2 = Number 2
99220.003.B = Capital letter B
99220.003.B/K = Small letter b

Reference number	Dimensions	
Adhesive lettering		**Price Category 12**
99222.003	H 100 mm	
99223.003*	H 120 mm	

* Only digits and capital letters can be supplied

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



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The application image shows:
Flat Slim



Phase-cut | DALI | Touch DIM Sensor

product design award 2010 | reddot design award honourable mention 2009 | Designpreis Deutschland 2011 NOMINIERT

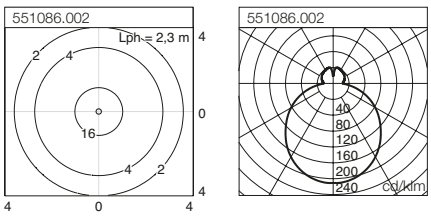
MONDANA®-A

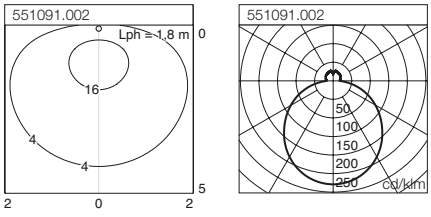
Ceiling and wall luminaires

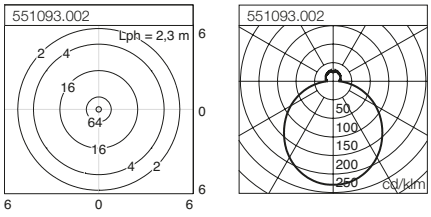
- Comprehensive range consisting of:
  - Ceiling and wall luminaires
  - Semi-recessed ceiling and wall luminaires
  - Recessed ceiling and wall luminaires
- For indoor and outdoor lighting
- The IP 65 type of protection provides excellent protection against rain and humidity and the luminaire is kept free from dirt and insects
- Integral membrane valve for pressure compensation and prevention of condensation
- With mouth-blown, 3-layer opal glass satin finish or opal plastic (PE) diffuser



Further luminaires of this series, see:
Outdoor lighting | Recessed luminaires

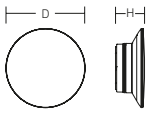






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Mondana-A





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03 (Glass), IK10 (Polyethylene)

Base: plastic (polycarbonate). Diffuser: Opal glass, mouth-blown, satin finish, or opal plastic (polyethylene), satin finish. Diffuser fastening: screwneck.
Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Opal glass, satin finish							
D 280 mm							
551086.002.1	D 280, H 105	LED [1]	830	570 lm	9 W	on/off	A+
551086.002	D 280, H 105	LED [1]	840	600 lm	9 W	on/off	A+
D 390 mm							
551091.002.1 *	D 390, H 101	LED [1]	830	1050 lm	13 W	on/off	A+
551091.002.1.76 **	D 390, H 101	LED [1]	830	1050 lm	13 W	DALI	A+
551091.002 *	D 390, H 101	LED [1]	840	1000 lm	13 W	on/off	A+
551091.002.76 **	D 390, H 101	LED [1]	840	1000 lm	13 W	DALI	A+
D 500 mm							
551093.002.1 *	D 500, H 128	LED [1]	830	1750 lm	21 W	on/off	A+
551093.002.1.76 **	D 500, H 128	LED [1]	830	1750 lm	21 W	DALI	A+
551093.002 *	D 500, H 128	LED [1]	840	1900 lm	21 W	on/off	A+
551093.002.76 **	D 500, H 128	LED [1]	840	1900 lm	21 W	DALI	A+
Diffuser: plastic (polyethylene)							
D 280 mm							
551087.002.1	D 280, H 105	LED [1]	830	650 lm	9 W	on/off	A+
551087.002	D 280, H 105	LED [1]	840	690 lm	9 W	on/off	A+
D 440 mm							
551092.002.1 *	D 440, H 109	LED [1]	830	1200 lm	13 W	on/off	A+
551092.002.1.76 **	D 440, H 109	LED [1]	830	1200 lm	13 W	DALI	A+
551092.002 *	D 440, H 109	LED [1]	840	1200 lm	13 W	on/off	A+
551092.002.76 **	D 440, H 109	LED [1]	840	1200 lm	13 W	DALI	A+
D 550 mm							
551094.002.1 *	D 550, H 135	LED [1]	830	2200 lm	21 W	on/off	A+
551094.002.1.76 **	D 550, H 135	LED [1]	830	2200 lm	21 W	DALI	A+
551094.002 *	D 550, H 135	LED [1]	840	2100 lm	21 W	on/off	A+
551094.002.76 **	D 550, H 135	LED [1]	840	2100 lm	21 W	DALI	A+

* Suitable for phase cut dimming (10-100%) | ** DALI dimmable (10-100%)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 13 W TC-D (19 W CB)
1 x 75 W GLS (75 W)

LED 13 W ≈
1 x 26 W TC-D (34 W CB)

LED 21 W ≈
1 x 42 W TC-TEL (47 W EB)
2 x 100 W GLS (200 W)

Replacement glasses			Price Category 13
05-2008.002	D 280, H 88		
05-2009.002	D 390, H 83		
05-2010.002	D 500, H 109		

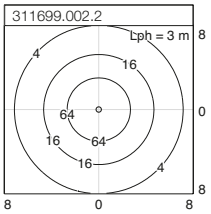
Replacement diffusers			Price Category 13
08-2036.002	D 282, H 88	Plastic (polyethylene)	
08-2037.002	D 442, H 83	Plastic (polyethylene)	
08-2038.002	D 550, H 114	Plastic (polyethylene)	

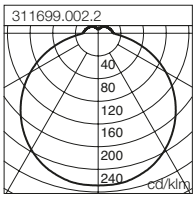


FLAT POLYMERO® KREIS

Ceiling and wall luminaires

- Comprehensive range consisting of:
  - Pendant luminaires
  - Ceiling luminaires
  - Wall luminaires
- High degree of protection: IP 44 for use in wet areas
- Available in different diameters
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffusers
- Individual design possible with foil print



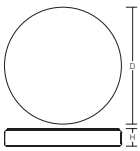




Further luminaires of this series, see:
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Polymero Sensation Kreis





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK07 (PMMA), IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal or plastic (polycarbonate, ball impact proof in accordance with DIN 18032-3), opal. Diffuser fastening: sash lock.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 21**
Diffuser: plastic (PMMA) D 1040 mm							
311699.002	D 1040, H 150	LED	830	9600 lm	100 W	on/off	A++
311699.002.76	D 1040, H 150	LED	830	9600 lm	100 W	DALI	A++
311699.002.1	D 1040, H 150	LED	840	10400 lm	100 W	on/off	A++
311699.002.1.76	D 1040, H 150	LED	840	10400 lm	100 W	DALI	A++
Diffuser: plastic (polycarbonate) D 1040 mm, ball impact proof in accordance with DIN 18032-03							
311699.002.2	D 1040, H 150	LED	830	10400 lm	100 W	on/off	A++
311699.002.2.76	D 1040, H 150	LED	830	10400 lm	100 W	DALI	A++
311699.002.3	D 1040, H 150	LED	840	11300 lm	100 W	on/off	A++
311699.002.3.76	D 1040, H 150	LED	840	11300 lm	100 W	DALI	A++

Replacement diffusers			Price Category 13
08-311292.002	D 1040, H 150	Plastic (PMMA)	
08-311292.012	D 1040, H 150	Plastic (polycarbonate)	

Comparison
LED vs. conventional lamps

LED 100 W ≈
4 x 55 W TC-L (232 W EB)

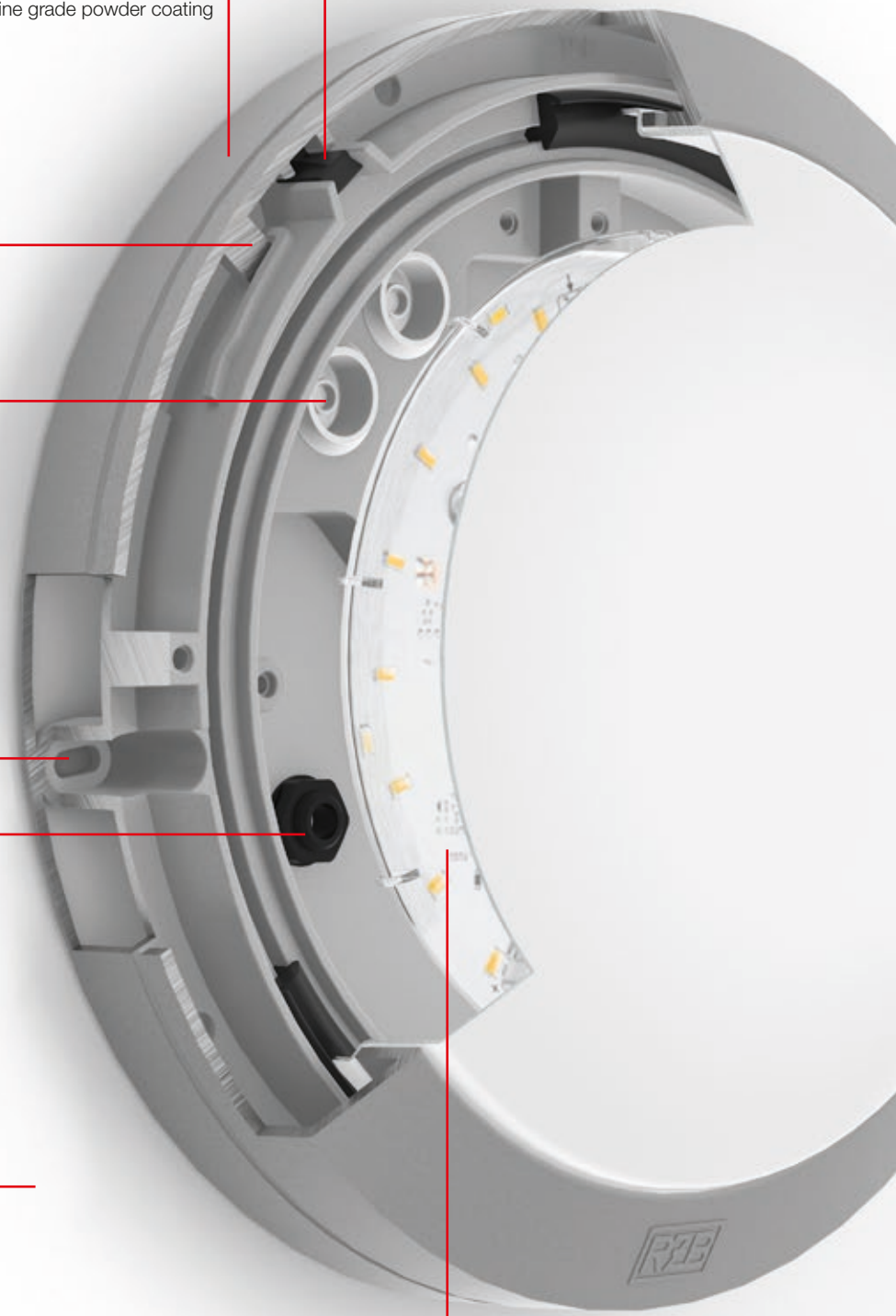


© Fotostudio Krebs

The application image shows:
Flat Polymero Kreis
Nadelspot

ROUNDED | CADERO | ALU-DESIGN

Everything at a glance



Theft protection (optional)

Base and housing made of corrosion resistant pressure die-cast aluminium, marine grade powder coating

Elegant appearance without visible hardware featuring bayonet lock

Second cable inlet for loop through

Large cable entry space

Fixing points outside the gasketed space guarantee a steady mounting quality by consequently preventing mistakes

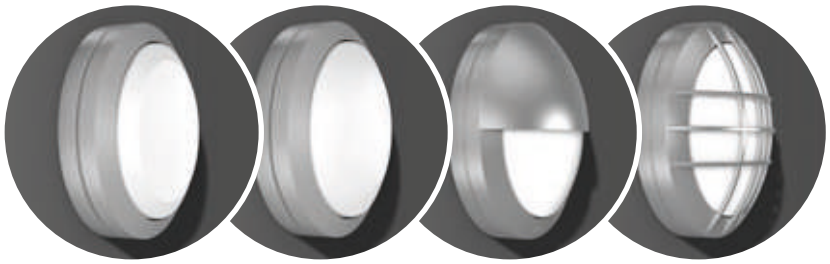
Membrane valve as a standard to prevent condensed water

CBS

Emergency version for escape route lighting with central battery supply

With HF movement sensor and daylight sensor

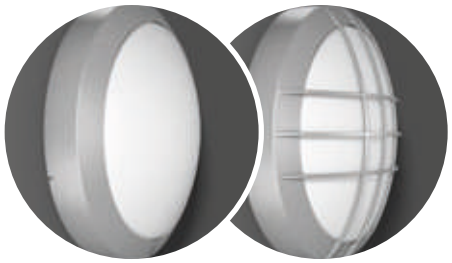
ROUNDED MIDI



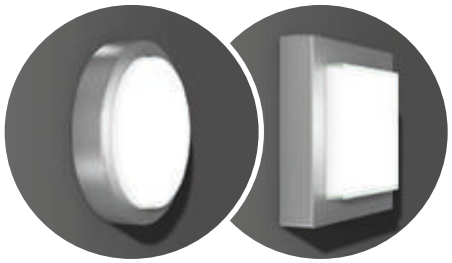


Rounded® Midi in addition as house number luminaire with integral daylight sensor

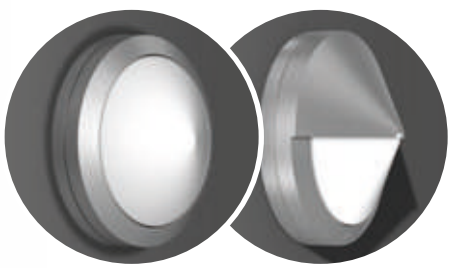
ROUNDED MAXI

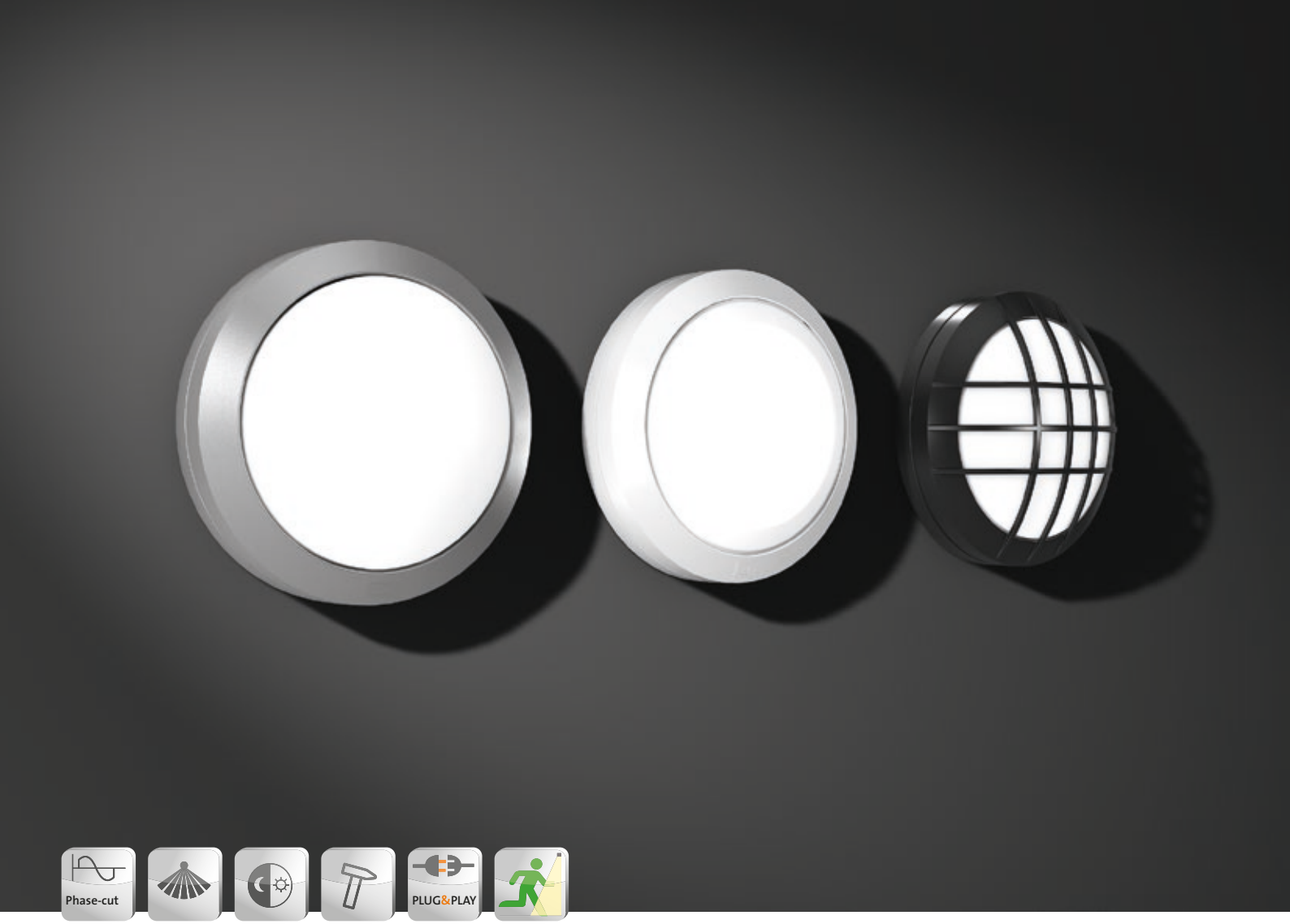


CADERO



ALU-DESIGN





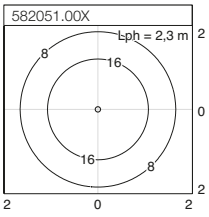
ROUNDED® MIDI

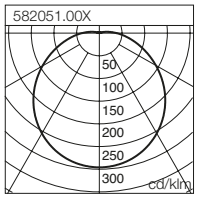
Ceiling and wall luminaires

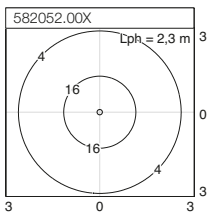
- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- LED: Smart and cost-saving LED modules for mains voltage on high LED-efficiency level applied for energy saving operation
- Seawater resistant coating
- Replaceable LED module
- Second cable inlet for loop through
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Integral membrane valve for pressure compensation and prevention of condensation
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes
- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Huge choice of variants: 24 different models for each lamp, based on
  - Two diffuser types: crystal glass with satin finish or shock resistant opal plastic (PC)
  - Three standard colours
  - Four housing types: Flat cover or cover with spherical cap, visor or grill
- Emergency versions for escape route lighting and central battery sytem available

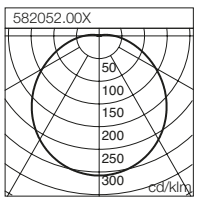


Further luminaires of this series, see:
Outdoor lighting | Wall luminaires
Outdoor lighting | House number luminaires
Emergency lighting | Escape route illumination



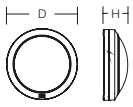






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Rounded Midi





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (polycarbonate)

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
Glass							
582002.00X *	D 268, H 91	LED [1]	840	490 lm	10 W	on/off	A+
582051.00X *	D 268, H 91	LED [1]	830	730 lm	13 W	on/off	A+
582051.00X.1 *	D 268, H 91	LED [1]	840	790 lm	13 W	on/off	A+
582000.00X	D 268, H 91	1 x QA60 (clear)	57 W			on/off	A++ - E
Plastic (polycarbonate)							
582003.00X *	D 268, H 91	LED [1]	840	360 lm	10 W	on/off	A+
582052.00X *	D 268, H 91	LED [1]	830	600 lm	13 W	on/off	A+
582052.00X.1 *	D 268, H 91	LED [1]	840	650 lm	13 W	on/off	A+
582001.00X	D 268, H 91	1 x QA60 (clear)	57 W			on/off	A++ - E
Ceiling and wall luminaires with integrated HF movement sensor							**Price Category 12**
Plastic (polycarbonate)							
582003.00X.19	D 268, H 91	LED [1]	840	360 lm	10 W	on/off	A+
Ceiling and wall luminaires with integrated HF movement sensor and daylight sensor							**Price Category 12**
Plastic (polycarbonate)							
582052.00X.19	D 268, H 91	LED [1]	830	600 lm	13 W	on/off	A+
582052.00X.1.19	D 268, H 91	LED [1]	840	650 lm	13 W	on/off	A+

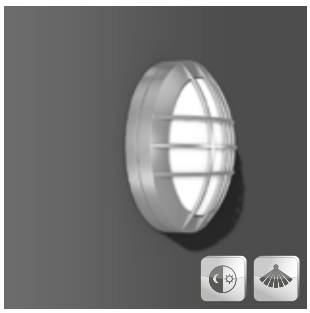
* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 13**
982512.002	D 232, H 61	
Replacement diffusers		**Price Category 13**
982516.002	D 226, H 60	
Replacement gasket		**Price Category 12**
982511.002	D 232, H 13	
Theft protection		**Price Category 12**
982410.003	L 13, B 11, H 16	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 75 W GLS (75 W)

LED 13 W ≈
1 x 100 W GLS (100 W)

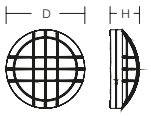


Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 60 W GLS (60 W)

LED 13 W ≈
1 x 75 W GLS (75 W)

Ceiling and wall luminaires | Rounded Midi



Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (polycarbonate)

Base, housing and guard made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm².

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
Glass							
582008.00X *	D 268, H 100	LED [1]	840	440 lm	10 W	on/off	A+
582055.00X *	D 268, H 100	LED [1]	830	580 lm	13 W	on/off	A+
582055.00X.1 *	D 268, H 100	LED [1]	840	620 lm	13 W	on/off	A+
582006.00X	D 268, H 100	1 x QA60 (clear) 57 W				on/off	A++ - E
Plastic (polycarbonate)							
582009.00X *	D 268, H 100	LED [1]	840	280 lm	10 W	on/off	A+
582056.00X *	D 268, H 100	LED [1]	830	470 lm	13 W	on/off	A+
582056.00X.1 *	D 268, H 100	LED [1]	840	500 lm	13 W	on/off	A+
582007.00X	D 268, H 100	1 x QA60 (clear) 57 W				on/off	A++ - E
Ceiling and wall luminaires with integrated HF movement sensor							**Price Category 12**
Plastic (polycarbonate)							
582009.00X.19	D 268, H 100	LED [1]	840	280 lm	10 W	on/off	A+
Ceiling and wall luminaires with integrated HF movement sensor and daylight sensor							**Price Category 12**
Plastic (polycarbonate)							
582056.00X.19	D 268, H 100	LED [1]	830	470 lm	13 W	on/off	A+
582056.00X.1.19	D 268, H 100	LED [1]	840	500 lm	13 W	on/off	A+

* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 13**
982512.002	D 232, H 61	

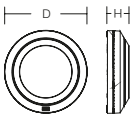
Replacement diffusers		**Price Category 13**
982516.002	D 226, H 60	

Replacement gasket		**Price Category 12**
982511.002	D 232, H 13	

Theft protection		**Price Category 12**
982410.003	L 13, B 11, H 16	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Rounded Midi





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (polycarbonate)

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
Flat glass							
582004.00X *	D 268, H 70	LED [1]	840	490 lm	10 W	on/off	A+
582053.00X *	D 268, H 70	LED [1]	830	640 lm	13 W	on/off	A+
582053.00X.1 *	D 268, H 70	LED [1]	840	690 lm	13 W	on/off	A+
Flat plastic (polycarbonate) diffuser							
582005.00X *	D 268, H 70	LED [1]	840	390 lm	10 W	on/off	A+
582054.00X *	D 268, H 70	LED [1]	830	650 lm	13 W	on/off	A+
582054.00X.1 *	D 268, H 70	LED [1]	840	700 lm	13 W	on/off	A+
Ceiling and wall luminaires with integrated HF movement sensor							**Price Category 12**
Flat plastic (polycarbonate) diffuser							
582005.00X.19	D 268, H 70	LED [1]	840	390 lm	10 W	on/off	A+
Ceiling and wall luminaires with integrated HF movement sensor and daylight sensor							**Price Category 12**
Flat plastic (polycarbonate) diffuser							
582054.00X.19	D 268, H 70	LED [1]	830	650 lm	13 W	on/off	A+
582054.00X.1.19	D 268, H 70	LED [1]	840	700 lm	13 W	on/off	A+

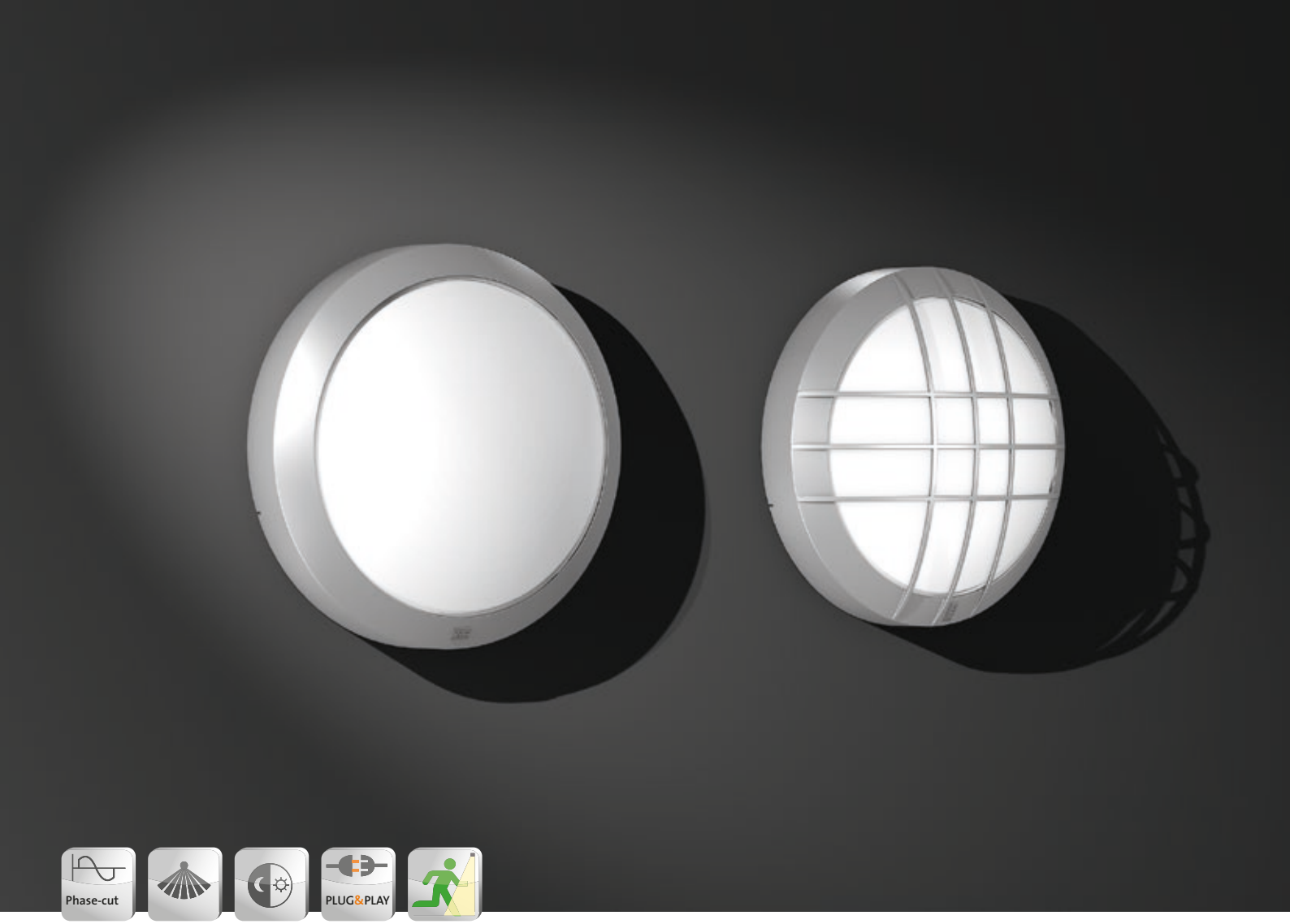
* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 13**
982513.002	D 232, H 40	
Replacement diffusers		**Price Category 13**
982515.002	D 226, H 39	
Replacement gasket		**Price Category 12**
982511.002	D 232, H 13	
Theft protection		**Price Category 12**
982410.003	L 13, B 11, H 16	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 60 W GLS (60 W)

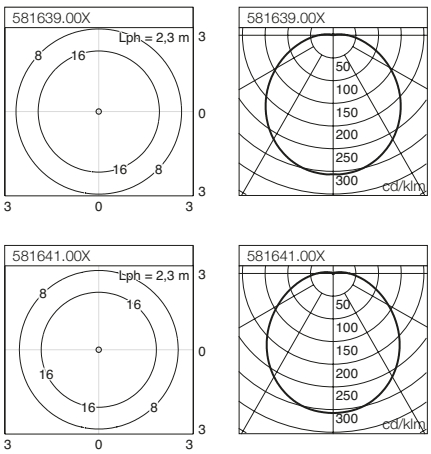
LED 13 W ≈
1 x 100 W GLS (100 W)



ROUNDED® MAXI

Ceiling and wall luminaires

- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- LED: Smart and cost-saving LED modules for mains voltage on high LED-efficiency level applied for energy saving operation
- Seawater resistant coating
- Replaceable LED module
- Second cable inlet for loop through
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes
- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Can also be fitted with lamps for E27 lampholder
- Emergency versions for escape route lighting and central battery system available

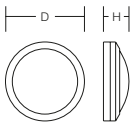


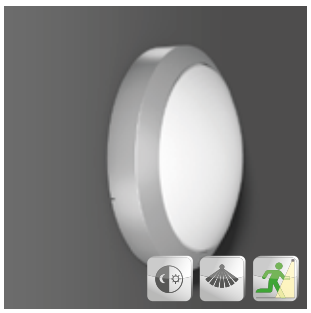


Further luminaires of this series, see:
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Rounded Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Diffuser: crystal glass (satin finish) with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 12**
581639.00X *	D 400, H 121	LED [1]	830	1250 lm	22 W	on/off	✓	A+
581639.00X.1 *	D 400, H 121	LED [1]	840	1250 lm	22 W	on/off	✓	A+
581638.00X	D 400, H 121	2 x QA60 (clear)	57 W			on/off		A++ - E
Ceiling and wall luminaires with integrated HF movement sensor and daylight sensor								**Price Category 12**
581639.00X.19	D 400, H 125	LED [1]	830	1250 lm	22 W	on/off		A+
581639.00X.1.19	D 400, H 121	LED [1]	840	1250 lm	22 W	on/off		A+

* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 13**
981212.002	D 356, H 66	

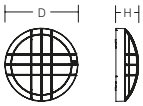
Replacement gasket		**Price Category 11**
982585.002	D 360, H 11	

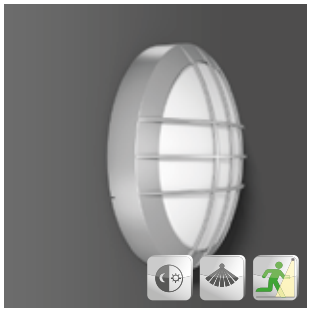
Theft protection		**Price Category 12**
982410.003	L 13, B 11, H 16	

Comparison
LED vs. conventional lamps

LED 22 W ≈
2 x 18 W TC-D (52 W CB)

Ceiling and wall luminaires | Rounded Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Base, housing and protective guard made of corrosion resistant pressure die-cast aluminium (sea-water resistant powder-coated). Diffuser: crystal glass (satin finish) with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 12**
581641.00X *	D 400, H 127	LED [1]	830	1150 lm	22 W	on/off	✓	A+
581641.00X.1 *	D 400, H 127	LED [1]	840	1150 lm	22 W	on/off	✓	A+
581640.00X	D 400, H 127	2 x QA60 (clear)	57 W			on/off		A++ - E
Ceiling and wall luminaires with integrated HF movement sensor and daylight sensor								**Price Category 12**
581641.00X.19	D 400, H 127	LED [1]	830	1150 lm	22 W	on/off		A+
581641.00X.1.19	D 400, H 127	LED [1]	840	1150 lm	22 W	on/off		A+

* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 13**
981212.002	D 356, H 66	

Replacement gasket		**Price Category 11**
982585.002	D 360, H 11	

Theft protection		**Price Category 12**
982410.003	L 13, B 11, H 16	

Comparison
LED vs. conventional lamps

LED 22 W ≈
2 x 13 W TC-D (38 W CB)

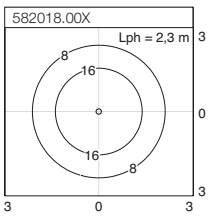


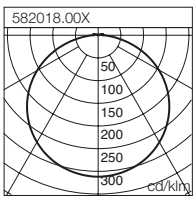
CADERO®

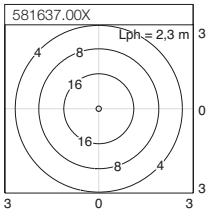
Ceiling and wall luminaires

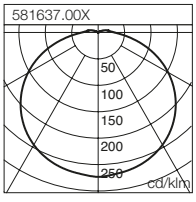
- The flat design provides universal applicability with circular or square glass cover option
- The inside matte crystal glass diffuser appears brillant also in the daytime.
- Smart, cost-effective LED modules for mains voltage with high LED luminous efficiency for energy-saving operation
- Durability by using high-quality materials like aluminium and crystal glass as well as long-lasting powder-coating
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes
- Seawater resistant coating

- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Second cable inlet for loop through
- The high type of protection IP 65 enables maintenance-free, plain LED operation
- Also available as emergency lighting version







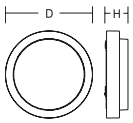




Further luminaires of this series, see:
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Cadero Disca





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Clear crystal glass diffuser, inside satin finish, retained in cover. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm².

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 12**
582018.00X *	D 276, H 66	LED [1]	830	710 lm	13 W	on/off	✓	A+
582018.00X.1 *	D 276, H 66	LED [1]	840	740 lm	13 W	on/off	✓	A+
Ceiling and wall luminaires with integrated movement sensor								**Price Category 12**
582018.00X.19	D 276, H 66	LED [1]	830	710 lm	13 W	on/off		A+
582018.00X.1.19	D 276, H 66	LED [1]	840	740 lm	13 W	on/off		A+

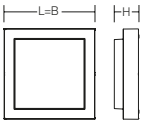
* Suitable for phase cut dimming (10-100%)

Replacement glasses		Price Category 13
981211.002	D 245, H 33	

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 18 W TC-D (26 W CB)

Ceiling and wall luminaires | Cadero Quadra





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Clear crystal glass diffuser, inside satin finish, retained in cover. Simple mounting spring system for installation without tools. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm².

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 12**
581637.00X *	L 257, B 257, H 81	LED [1]	830	630 lm	13 W	on/off	✓	A+
581637.00X.1 *	L 257, B 257, H 81	LED [1]	840	660 lm	13 W	on/off	✓	A+
Ceiling and wall luminaires with integrated movement sensor								**Price Category 12**
581637.00X.19	L 257, B 257, H 81	LED [1]	830	630 lm	13 W	on/off		A+
581637.00X.1.19	L 257, B 257, H 81	LED [1]	840	660 lm	13 W	on/off		A+

* Suitable for phase cut dimming (10-100%)

Replacement glasses		Price Category 13
981210.002	L 233, B 233, H 35	

Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 18 W TC-D (26 W CB)

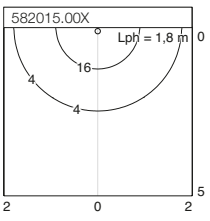


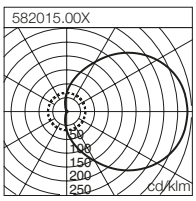
ALU-DESIGN

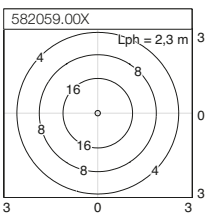
Ceiling and wall luminaires

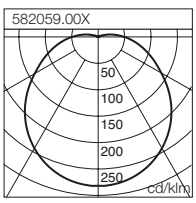
- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- LED: Smart and cost-saving LED modules for mains voltage on high LED-efficiency level applied for energy saving operation
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Seawater resistant coating
- Second cable inlet for loop through
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes

- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Emergency versions for escape route lighting and central battery system available







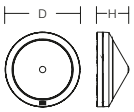


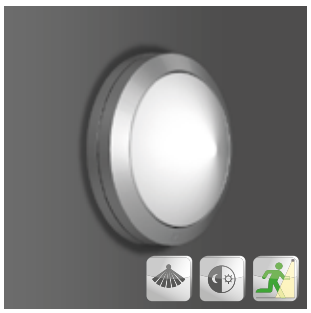


Further luminaires of this series, see:
Outdoor lighting | Wall luminaires
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Alu-Design





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08

Base and housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Diffuser: crystal glass (satin finish) with diffuser fixing. Screwless cover fixing via bayonet lock. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm².

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able		EEC
Ceiling and wall luminaires								**Price Category 12**
582015.00X *	D 268, H 115	LED [1]	830	490 lm	10 W	on/off	✓	A+
582015.00X.1 *	D 268, H 115	LED [1]	840	490 lm	10 W	on/off	✓	A+
582059.00X *	D 268, H 115	LED [1]	830	630 lm	13 W	on/off		A+
582059.00X.1 *	D 268, H 115	LED [1]	840	680 lm	13 W	on/off		A+
582014.00X	D 268, H 115	1 x QA60 (clear) 57 W				on/off		A++ - E
Ceiling and wall luminaires with daylight sensor								**Price Category 12**
582015.00X.25	D 268, H 115	LED [1]	830	490 lm	10 W	on/off		A+
582015.00X.1.25	D 268, H 115	LED [1]	840	480 lm	10 W	on/off		A+
Ceiling and wall luminaires with integrated HF movement sensor								**Price Category 12**
582015.00X.19	D 268, H 115	LED [1]	830	410 lm	10 W	on/off		A+
582015.00X.1.19	D 268, H 115	LED [1]	840	410 lm	10 W	on/off		A+
Ceiling and wall luminaires with grill and integrated HF movement sensor and daylight sensor								**Price Category 12**
582059.00X.19	D 268, H 115	LED [1]	830	630 lm	13 W	on/off		A+
582059.00X.1.19	D 268, H 115	LED [1]	840	680 lm	13 W	on/off		A+

* Suitable for phase cut dimming (10-100%)

Theft protection		**Price Category 12**
982410.003	L 13, B 11, H 16	

Replacement glasses		**Price Category 13**
982514.002	D 232, H 84	

Replacement gasket		**Price Category 12**
982511.002	D 232, H 13	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 13 W TC-D (19 W CB)

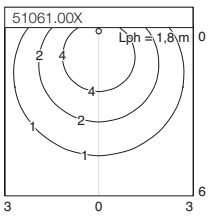
LED 13 W ≈
1 x 18 W TC-D (26 W CB)

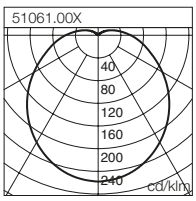


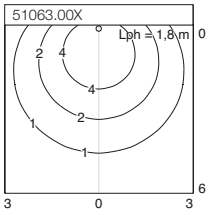
ALU-SUPERIOR

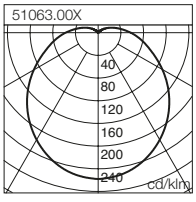
Ceiling and wall luminaires

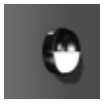
- Impact resistant plastic diffuser is suitable for robust environmental requirements
- Seawater resistant coating
- LED: Smart and cost-saving LED modules for mains voltage on high LED-efficiency level applied for energy saving operation
- High ingress protection rating supports continuous trouble-free operation
- A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.
- A second cable gland provides simple loop through without additional connection box







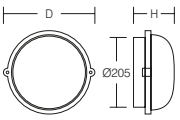




Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Alu-Superior





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

Base and cover ring: die cast aluminium, powder coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to prevent condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

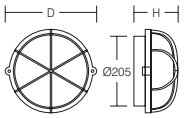
Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
51061.00X	D 245, H 120	LED [1]	840	350 lm	9 W	on/off	A+
51050.00X	D 245, H 120	1 x QA60 (clear) 57 W				on/off	A++ - E
Replacement diffusers							**Price Category 13**
08-1837.002	D 214, H 68	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 60 W GLS (60 W)

Ceiling and wall luminaires | Alu-Superior





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

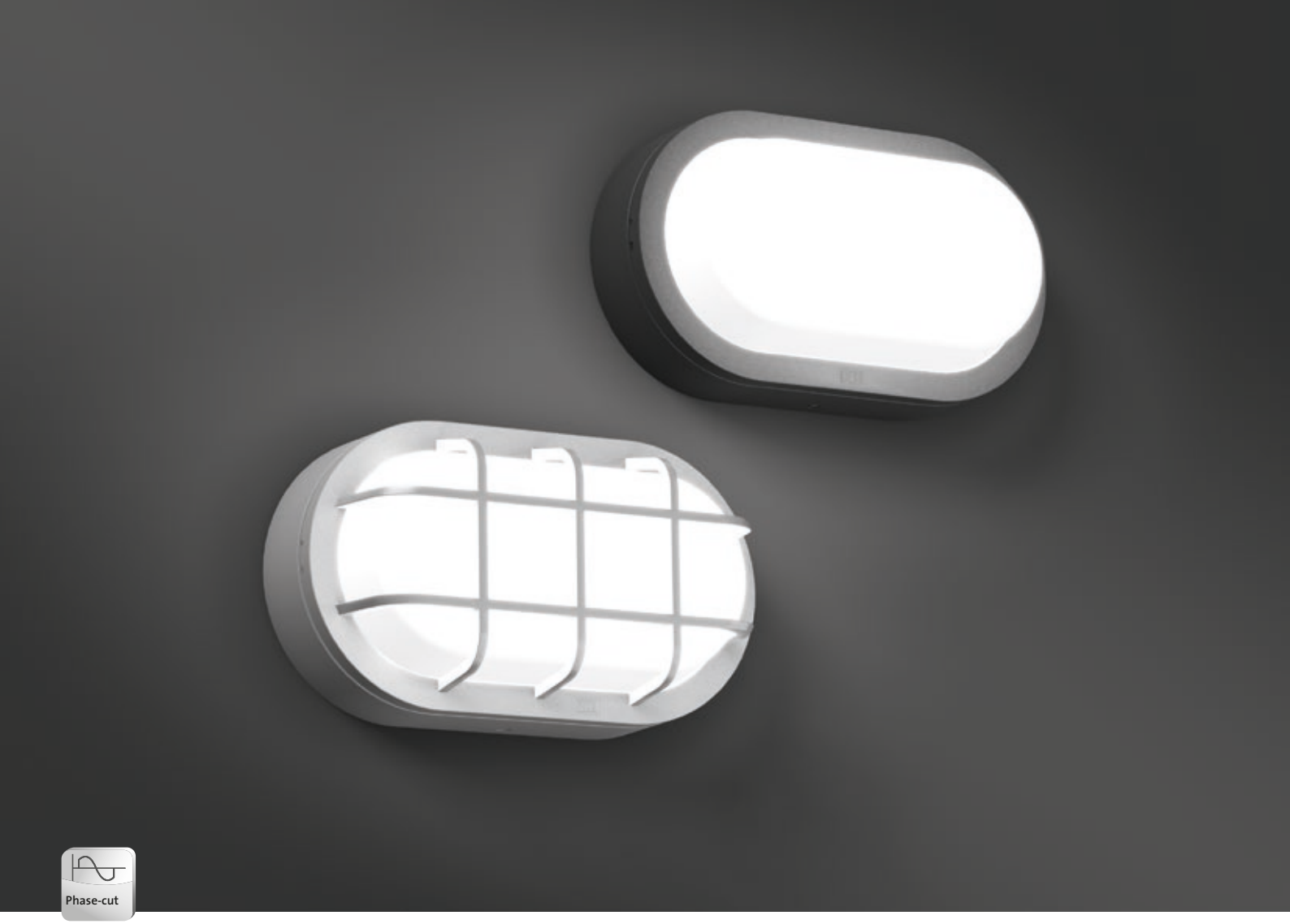
Base and protective guard: die-cast aluminium, powder-coated. Stainless steel mounting bracket with compensation for drill hole deviations. Diffuser: plastic (polycarbonate), opal. With membrane valve to prevent condensation. With mains voltage LED module. Mains connection 2 x 3 x 1.5 mm^2.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires with protective guard							**Price Category 12**
51063.00X	D 245, H 125	LED [1]	840	350 lm	9 W	on/off	A+
51052.00X	D 245, H 125	1 x QA60 (clear) 57 W				on/off	A++ - E
Replacement diffusers							**Price Category 13**
08-1837.002	D 214, H 68	Plastic (polycarbonate)					

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 60 W GLS (60 W)



Phase-cut

ALU-LUX OVAL

Ceiling and wall luminaires

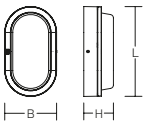
- LED: Smart and cost-saving LED modules for mains voltage on high efficiency level applied for energy saving operation
- High ingress protection rating supports continuous trouble-free operation
- A stainless steel bracket outside the sealed lamp compartment is used to certainly prevent installation failures. Additionally, drill hole tolerances can be compensated.
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes
- Sturdy housing made of corrosion resistant pressure die-cast aluminium, powder coated
- Seawater resistant coating
- Integral membrane valve for pressure compensation and prevention of condensation
- Second cable inlet for loop through



Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Alu-Lux oval





Type of Protection: **IP 65**
Protection Class: I

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Crystal glass: matt inside. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. With mains voltage LED module.
Mains connection 2 x 3 x 2.5 mm^2. With membrane valve to prevent condensation.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 12**
582061.00X *	L 258, B 148, H 86	LED [1]	830	370 lm	8 W	on/off	A+
582061.00X.1 *	L 258, B 148, H 86	LED [1]	840	390 lm	8 W	on/off	A+
582062.00X *	L 258, B 148, H 86	LED [1]	830	560 lm	12 W	on/off	A+
582062.00X.1 *	L 258, B 148, H 86	LED [1]	840	580 lm	12 W	on/off	A+

* Suitable for phase cut dimming (10-100%)

Replacement glasses		**Price Category 11**
982587.002	L 234, B 124, H 45	

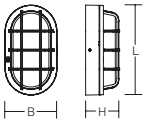
Replacement gasket		**Price Category 11**
982586.009	L 236, B 126, H 4	

Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 60 W GLS (60 W)
1 x 9 W TC-S (16 W CB)

LED 12 W ≈
1 x 75 W GLS (75 W)
1 x 11 W TC-S (18 W CB)

Ceiling and wall luminaires | Alu-Lux oval





Type of Protection: **IP 65**
Protection Class: I

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Crystal glass: matt inside. Fixing on the wall outside the gasketed volume, drill hole deviations can be compensated. With mains voltage LED module.
Mains connection 2 x 3 x 2.5 mm^2. With membrane valve to prevent condensation.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires with protective guard							**Price Category 12**
582063.00X *	L 258, B 148, H 95	LED [1]	830	300 lm	8 W	on/off	A+
582063.00X.1 *	L 258, B 148, H 95	LED [1]	840	310 lm	8 W	on/off	A+
582064.00X *	L 258, B 148, H 95	LED [1]	830	440 lm	12 W	on/off	A+
582064.00X.1 *	L 258, B 148, H 95	LED [1]	840	460 lm	12 W	on/off	A+

* Suitable for phase cut dimming (10-100%)

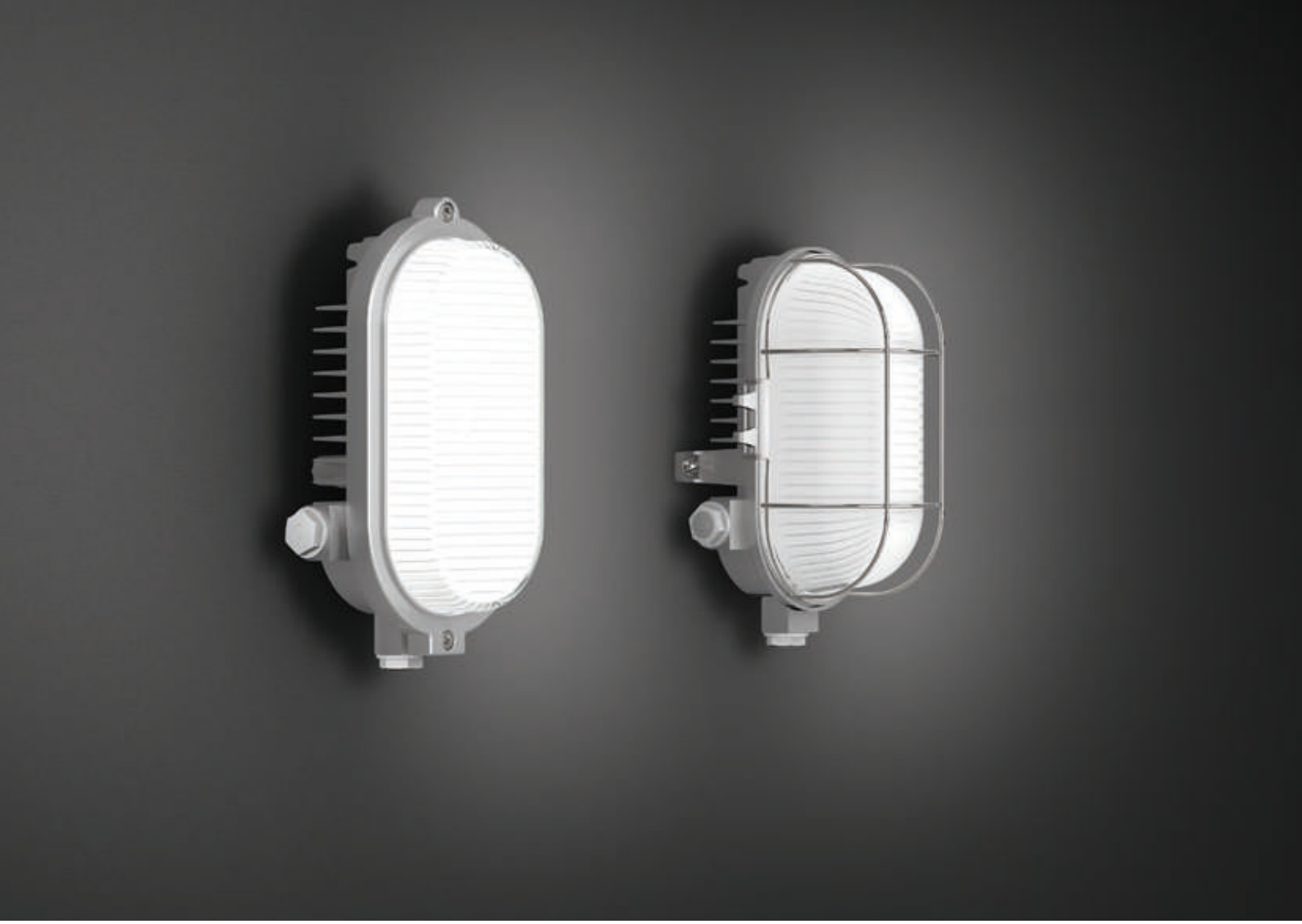
Replacement glasses		**Price Category 11**
982587.002	L 234, B 124, H 45	

Replacement gasket		**Price Category 11**
982586.009	L 236, B 126, H 4	

Comparison
LED vs. conventional lamps

LED 8 W ≈
1 x 60 W GLS (60 W)
1 x 9 W TC-S (16 W CB)

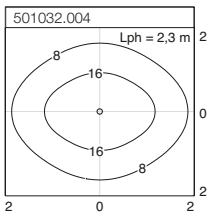
LED 12 W ≈
1 x 75 W GLS (75 W)
1 x 11 W TC-S (18 W CB)

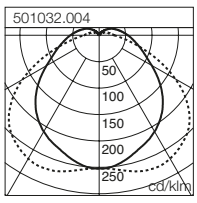


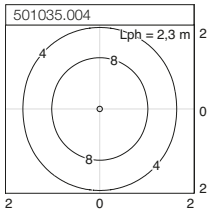
ALU OVAL BULKHEAD LUMINAIRES

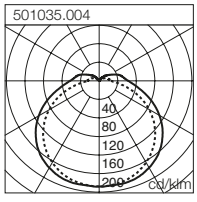
Ceiling and wall luminaires

- The oval bulkhead luminaire, a RZB classic re-interpreted.
- LED technology for high levels of energy efficiency
- Virtually maintenance-free operation
- Base made of die-cast aluminium
- Impact resistant crystal glass, coated on the inside
- Suitable for use in harsh conditions (e.g. industry and wind power stations, cold storage areas, etc.)
- Operating range: -30°C to +40°C
- LED rated life 32,000 hours (L70, B50)



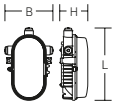






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Areno



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Base: pressure die-cast aluminium, powder-coated. With three cable inlets: M20x1.5.
Cover: glass, painted white inside, textured. Bezel ring: powder-coated die-cast aluminium, screwed on the luminaire. Drill holes at the inside, with silicone.

Available colour: 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
501036.004.1	L 227, B 141, H 87	LED [1]	830	220 lm	9 W	on/off	A+
501036.004	L 227, B 141, H 87	LED [1]	840	220 lm	9 W	on/off	A+
501035.004.1	L 227, B 141, H 87	LED [1]	830	420 lm	18 W	on/off	A+
501035.004	L 227, B 141, H 87	LED [1]	840	430 lm	18 W	on/off	A+

Replacement glasses		
		Price Category 13
05-50200.042	L 188, B 97, H 40	

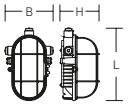
product design award 2010 · reddot design award winner 2010 · German Design Award 2012 SILVER

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 40 W GLS (40 W)

LED 18 W ≈
1 x 60 W GLS (60 W)

Die-cast aluminium oval bulkhead luminaires, impact resistant | Alu-Standard LED



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK02

Base: pressure die-cast aluminium, powder-coated. Screw mounting for protective guard. With three cable inlets: M20x1.5. Crystal glass: textured, satin finish. Protective guard: steel wire, galvanised.

Available colour: 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
501031.004.1	L 210, B 130, H 115	LED [1]	830	370 lm	9 W	on/off	A+
501031.004	L 210, B 130, H 115	LED [1]	840	380 lm	9 W	on/off	A+
501032.004.1	L 210, B 130, H 120	LED [1]	830	720 lm	18 W	on/off	A+
501032.004	L 210, B 130, H 120	LED [1]	840	720 lm	18 W	on/off	A+

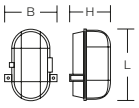
Replacement glasses		
		Price Category 13
05-50200.020	L 188, B 97, H 64	

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 40 W GLS (40 W)

LED 18 W ≈
1 x 60 W GLS (60 W)

Die-cast aluminium oval bulkhead luminaires, impact resistant | Alu-Standard



Type of Protection: **IP 43**
Protection Class: I
Impact Protection: IK07

Base: pressure die-cast aluminium, powder-coated. Screw mounting for protective guard. With three cable inlets: M20x1.5. Crystal glass: transparent. Protective guard: steel wire, galvanised.

The lampholder must be pointed downwards for wall mounting (lamp upright).

Available colour: 4 = silver coloured



Reference number	Dimensions	Lamp	dimm-able	EEC
Ceiling and wall luminaires				**Price Category 11**
50700.004 .Q	L 210, B 130, H 120	1 x E27® 60 W	on/off	A++ - E
50702.004 .Q	L 210, B 130, H 120	1 x E27® 100 W	on/off	A++ - E

Replacement glasses		
		Price Category 13
05-50200	L 188, B 97, H 64	



The application image shows:
Mega Square

© Fotostudio Lippmann


613


613

Slopia
612-613


617

Bocaro
614-617


621


621

Mega Tower
620-621


623


623

Mega Lamelle
622-623


625

Mega Cone
624-625


627


627

Mega Laterne
626-627


629

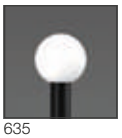

630

Mega Tube
628-631


633


633

Mega Square
632-633


635

Mega Kugel
634-635


637

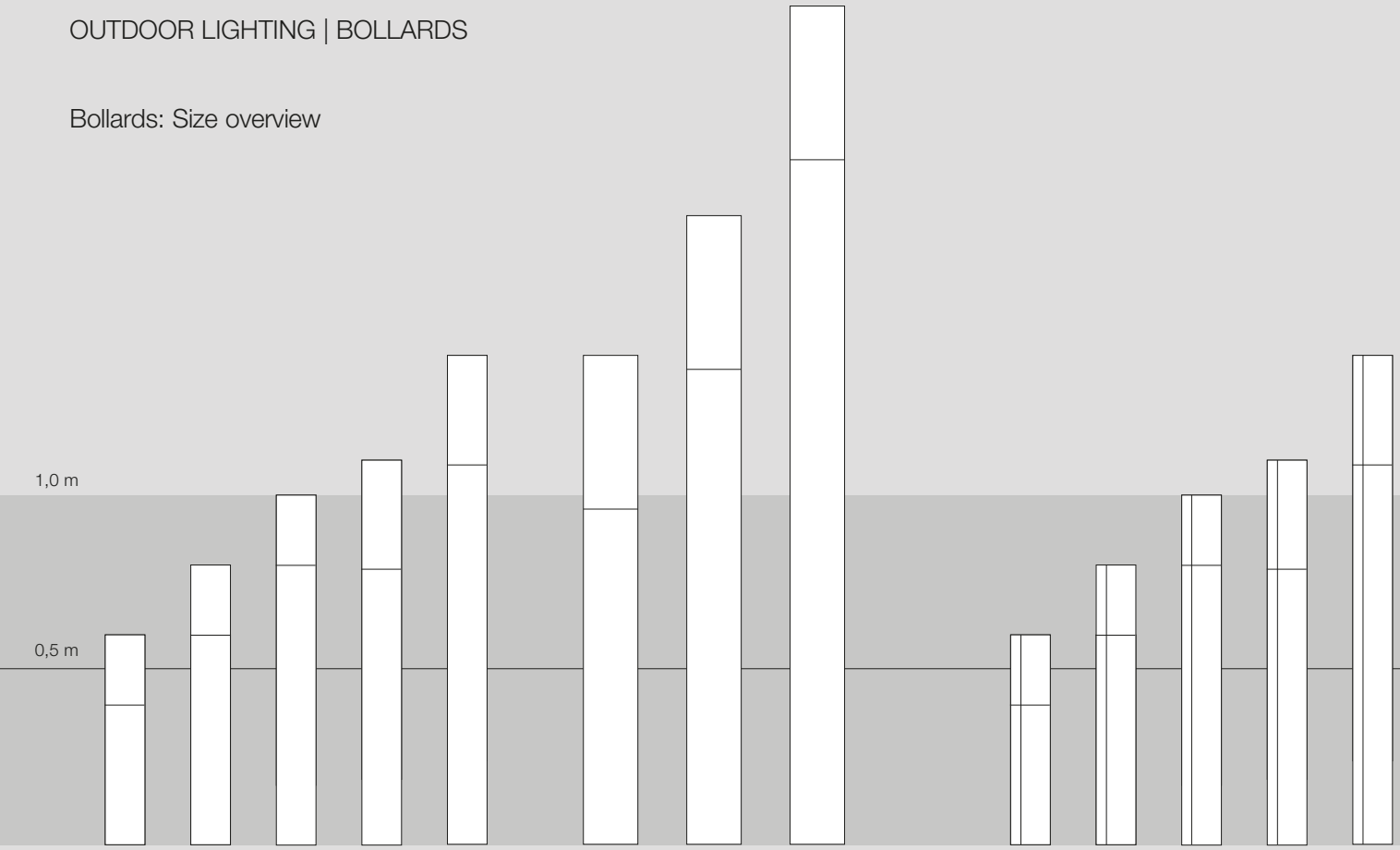

637

Mega Gürtellinse
636-637


639

Mega Glaspoller
638-639

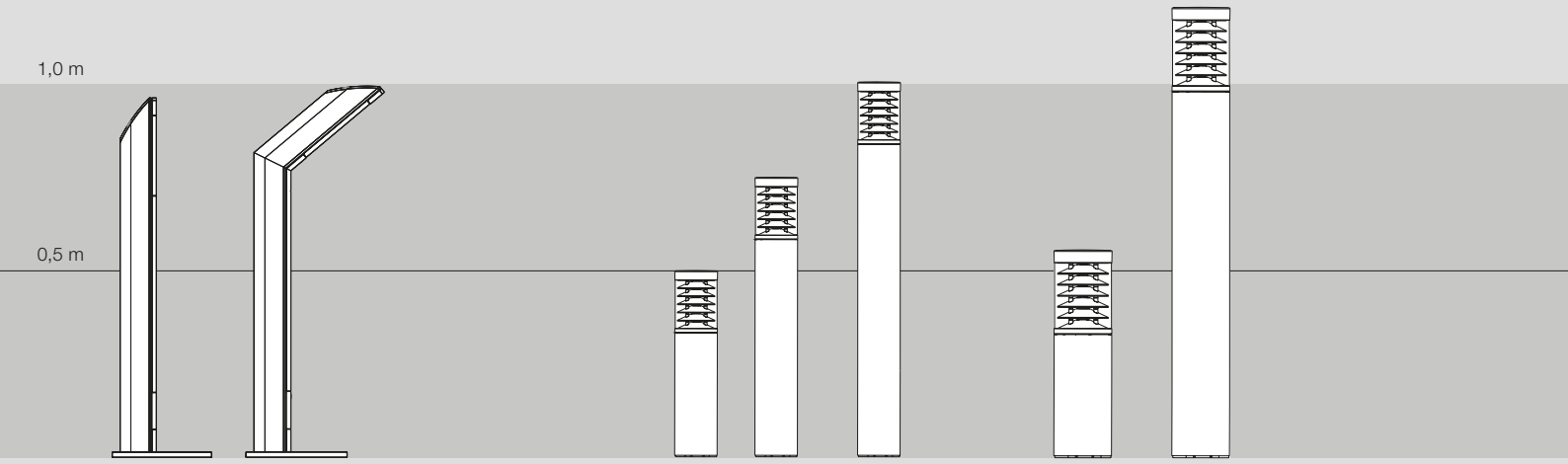
Bollards: Size overview



Mega Tube
Tube Ø 115

Mega Tube
Tube Ø 156

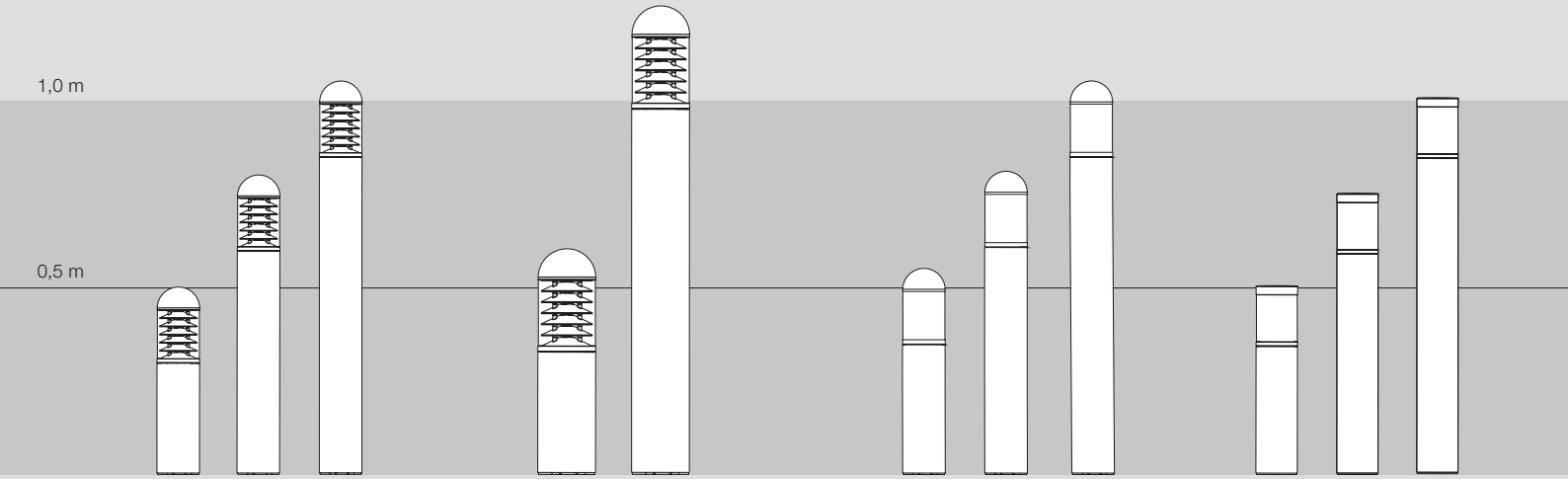
Mega Square
Tube □ 120 x 120



Slopia Top

Mega Tower
Tube Ø 115

Mega Tower
Tube Ø 156

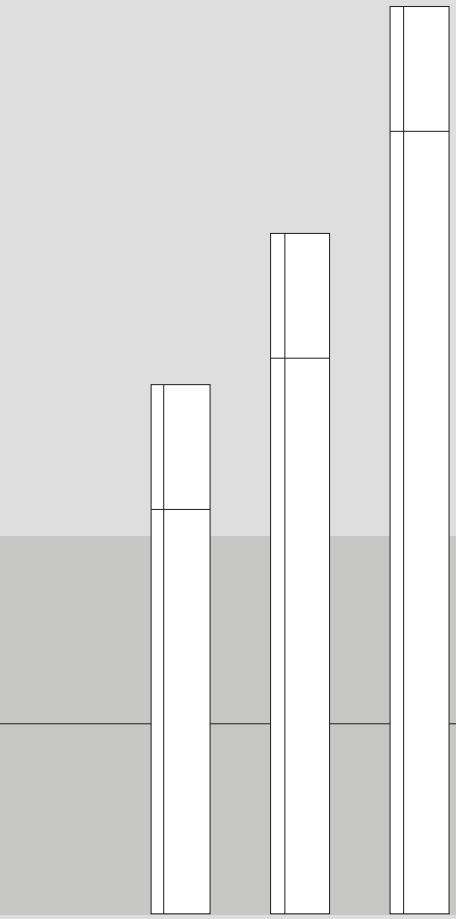


Mega Lamelle
Tube Ø 115

Mega Lamelle
Tube Ø 156

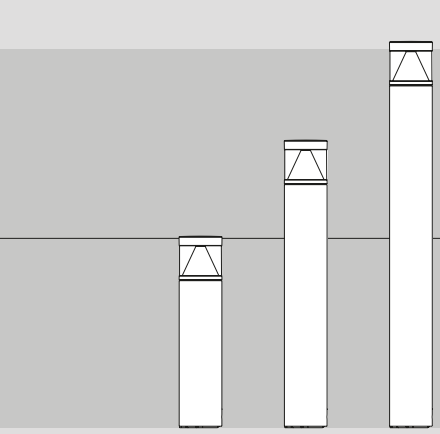
Mega Laterne
Tube Ø 115

Mega Laterne
Tube Ø 115



Mega Square
Tube ☐ 156 x 156

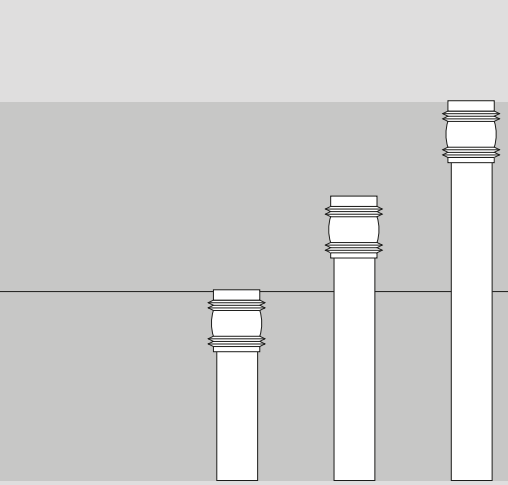
Mega Kugel
Tube Ø 115



Mega Cone
Tube Ø 156

Bocaro
Tube ☐ 120 x 120

Bocaro
Tube ☐ 156 x 156



Mega Gürtellinse
Tube Ø 115

Mega Gürtellinse
Tube Ø 156

Mega Glaspoller
Tube Ø 156



SLOPIA®

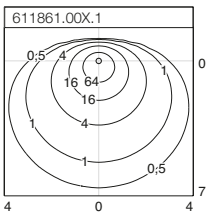
Pathway luminaires

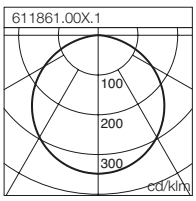
- Housing made of corrosion-resistant aluminium die-cast and extrusions for outdoor application, powder coated.
- Seawater resistant coating
- Integral refractor-optics producing a single-sided asymmetrical light distribution.
- With Gore™ Protective Vents diaphragm valve for reduction of condensation
- Choice of integral two Schuko sockets (IP 44)

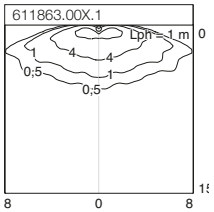


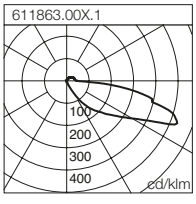


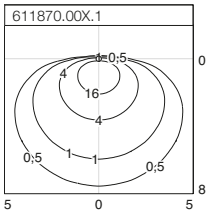
Further luminaires of this series, see:
Outdoor lighting | Wall luminaires
Outdoor lighting | Pole top luminaires

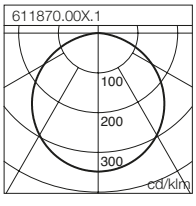






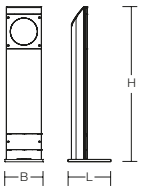






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pathway luminaires | Slopia 0'Top



Type of Protection: **IP 44** with socket, **IP 65** without socket
Protection Class: I
Impact Protection: IK08 (with sockets), IK10 (without sockets)

Straight upright column made of aluminium profiles with modular inserts. Covers and ground-plate made of corrosion-resistant aluminium pressure die-cast for outdoor use, powder coated. Module with integrated LED refractor optics and transparent toughened glass cover (asymmetrical) or with LED and cover in opal glass (symmetrical). Electronic ballast included. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Mains connection box inside housing profile for max. 2 x 3 x 2,5 mm² (without socket) or 2 x 5 x 1,5 mm² (with socket) and cable diameter max. Ø 13 mm. Option of IP 44 rated double Schuko socket.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pathway luminaires							**Price Category 12**
Asymmetrical light distribution, glass, transparent							
611863.00X	L 270, B 240, H 970	LED	830	350 lm	5 W	on/off	A+
611863.00X.1	L 270, B 240, H 970	LED	840	380 lm	5 W	on/off	A+
With double Schuko socket							
611864.00X	L 270, B 240, H 970	LED	830	350 lm	5 W	on/off	A+
611864.00X.1	L 270, B 240, H 970	LED	840	380 lm	5 W	on/off	A+
Symmetrical light distribution, Glass, opal							
611870.00X	L 270, B 240, H 970	LED (1)	830	710 lm	17 W	on/off	A+
611870.00X.1	L 270, B 240, H 970	LED (1)	840	820 lm	17 W	on/off	A+
With double Schuko socket							
611871.00X	L 270, B 240, H 970	LED (1)	830	710 lm	17 W	on/off	A+
611871.00X.1	L 270, B 240, H 970	LED (1)	840	820 lm	17 W	on/off	A+

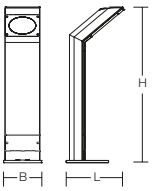


Comparison
LED vs. conventional lamps

LED 5 W ≈
1 x 57 W QA60 (57 W)
1 x 20 W HIT-TC-CE (23 W EB)

LED 17 W ≈
1 x 77 W QA60 (77 W)
1 x 26 W TC-D (34 W CB)

Pathway luminaires | Slopia 40'Top



Type of Protection: **IP 44** with socket, **IP 65** without socket
Protection Class: I
Impact Protection: IK08 (with sockets), IK10 (without sockets)

Upright column with head tilted 40 degrees downwards. Column made of powder coated aluminium profiles with modular inserts. Covers and ground-plate made of corrosion-resistant aluminium pressure die-cast for outdoor use, powder coated. Module with LED and cover in opal glass. Integral driver. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Mains connection box inside housing profile for max. 2 x 3 x 2,5 mm² (without socket) or 2 x 5 x 1,5 mm² (with socket) and cable diameter max. Ø 13 mm. Option of IP 44 rated double Schuko socket.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Pathway luminaires: Luminaire top: 40° tilted							**Price Category 12**
Symmetrical light distribution							
611861.00X	L 310, B 240, H 1000	LED (1)	830	710 lm	17 W	on/off	A+
611861.00X.1	L 310, B 240, H 1000	LED (1)	840	820 lm	17 W	on/off	A+
With double Schuko socket							
611862.00X	L 310, B 240, H 1000	LED (1)	830	710 lm	17 W	on/off	A+
611862.00X.1	L 310, B 240, H 1000	LED (1)	840	820 lm	17 W	on/off	A+



Comparison
LED vs. conventional lamps

LED 17 W ≈
1 x 77 W QA60 (77 W)
1 x 26 W TC-D (34 W CB)

BOCARO®

Details at a glance



Highly efficient mains voltage LED, exchangeable

Single pane safety glass (tempered glass) as a protection cover

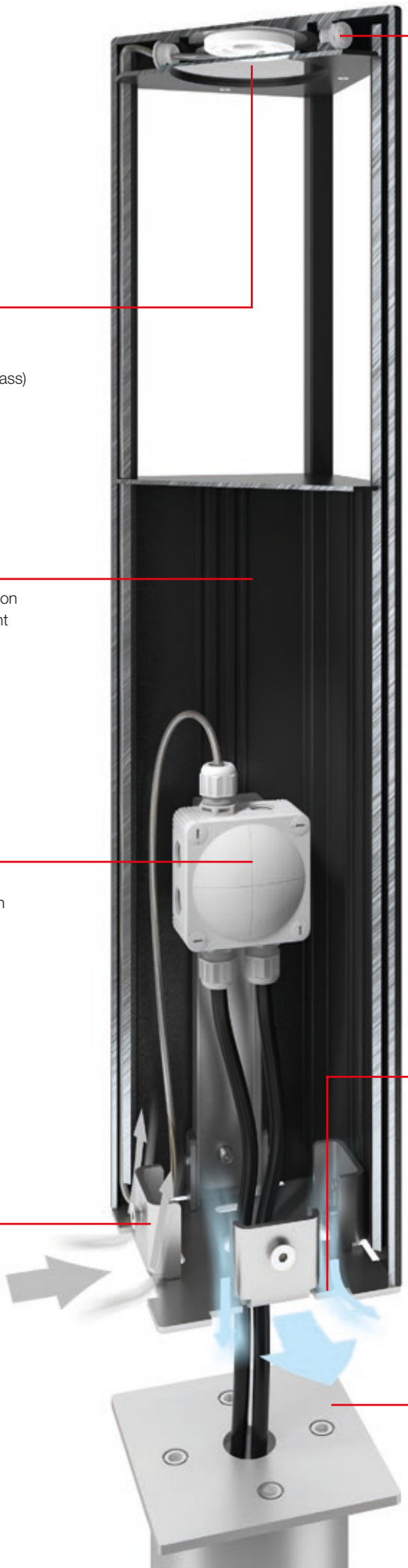
with Gore™ Protective Vents diaphragm valve to prevent condensed water

Square cross section made of corrosion resistant aluminium, seawater resistant

Connection box **IP 66** on base, max. 2 x 3 x 2,5 mm² for loop through



Exceedingly sturdy design through stainless steel fixing base (fastening with 4 screws) and integrated columns in the profile cross section



Ventilation slots for heat sink to avoid waterlogging in the post



Buried base made of aluminium, press nuts stainless steel



© Caroline Feraud Photographe

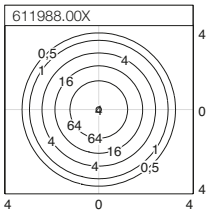
The application image shows:
Bocaro

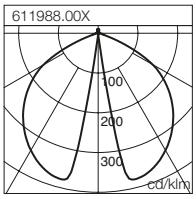


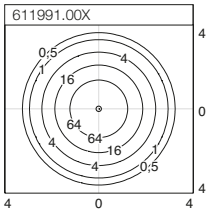
BOCARO®

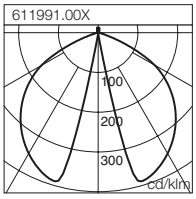
Bollards

- Made in Germany
- Two in one: an interesting light sculpture and an efficient LED light source
- Choice of six sizes: from the compact short bollard to the slender standard bollard
- Exceedingly sturdy design through stainless steel fixing base and integrated columns in the profile cross section
- Interchangeable mains voltage LED
- Seawater resistant coating
- Non-reflecting, single pane safety glass (toughened glass)
- A sophisticated vent system avoids successfully any condensed water









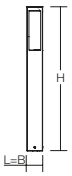
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

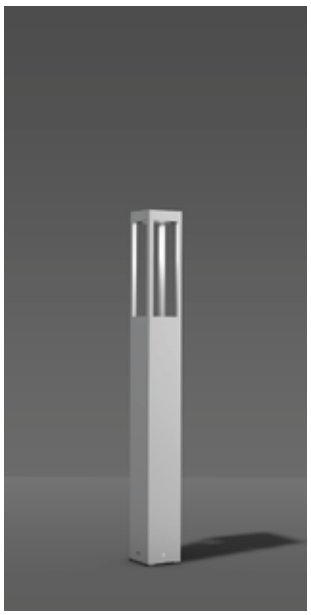
Bollards | Bocaro

Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK06

Decorative bollard with square cross section made of corrosion resistant aluminium, powder coated. With recessed stainless steel fixing bracket. Clear glass LED protection cover. With mains voltage LED module. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic





Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Cross section 120 mm x 120 mm							
Height H 500 mm							
611986.00X	L 120, B 120, H 500	LED [1]	830	1500 lm	20 W	on/off	A+
611986.00X.1	L 120, B 120, H 500	LED [1]	840	1550 lm	20 W	on/off	A+
Height H 800 mm							
611987.00X	L 120, B 120, H 800	LED [1]	830	1600 lm	20 W	on/off	A+
611987.00X.1	L 120, B 120, H 800	LED [1]	840	1650 lm	20 W	on/off	A+
Height H 1100 mm							
611988.00X	L 120, B 120, H 1100	LED [1]	830	1650 lm	20 W	on/off	A+
611988.00X.1	L 120, B 120, H 1100	LED [1]	840	1700 lm	20 W	on/off	A+
Cross section 156 mm x 156 mm							
Height H 500 mm							
611989.00X	L 156, B 156, H 500	LED [1]	830	1400 lm	20 W	on/off	A+
611989.00X.1	L 156, B 156, H 500	LED [1]	840	1450 lm	20 W	on/off	A+
Height H 800 mm							
611990.00X	L 156, B 156, H 800	LED [1]	830	1600 lm	20 W	on/off	A+
611990.00X.1	L 156, B 156, H 800	LED [1]	840	1650 lm	20 W	on/off	A+
Height H 1100 mm							
611991.00X	L 156, B 156, H 1100	LED [1]	830	1650 lm	20 W	on/off	A+
611991.00X.1	L 156, B 156, H 1100	LED [1]	840	1700 lm	20 W	on/off	A+

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 150 W GLS (150 W)
1 x 42 W TC-TEL (47 W EB)

Accessory for ground installation			Price Category 12
982103.010	L 120, B 120, H 401	Aluminium root with anti-sink protection and fixing set	
982155.010	L 156, B 156, H 401	Aluminium root with anti-sink protection and fixing set	



© Caroline Feraud Photographie

The application image shows:
Bocaro

MEGA ...

... Attractive design with inner values.

With their slender design, the attractive light columns from the Mega range make graceful and yet powerful light statements.

Various installation depths guarantee optimum integration in the architecture. The different tops distinguish themselves with a high level of light comfort, as well as achieving maximum clearance when complying with the relevant lighting regulations.

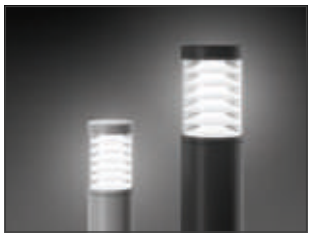
For the entire range, a great deal of importance has been placed on inner values: The efficient LED Array saves energy. High-quality material and innovative detail solutions guarantee a long-lasting and maintenance-free service life. Versions with shock-resistant plastic are also available for operation in tough ambient conditions.

☑ **Innovation**
A light transmission bar made of highly transparent, clear plastic (PMMA) diverts the light horizontally, ensuring optimum light distribution on the floor.

☑ **Long service life**
The use of state-of-the-art LED technology allows reduced energy consumption and a long LED service life. A stable stainless steel fixing plate guarantees an exceptionally firm hold for the luminaire. Corrosion resistant, powder coated posts made of aluminium profile and stainless steel screw connections help prevent corrosion from the outset.

☑ **Impermeability**
The innovative housing concept reliably protects the light source and driver from all environmental conditions. A multi-level ventilation system prevents condensation from building up in the light insert. The use of a dual compound thermoplastic luminaire insert prevents corrosion and provides a problem-free, lasting seal. The high protection class (IP 66) of the socket (terminals included) guarantees safe wiring that is protected from water.

☑ **Flexibility**
The wide choice of luminaire top versions ensures a high level of design freedom. Whether they choose a circular or square post cross-section, opal cylinders, spheres, lenses or a highly efficient louvred look to maximise the spacing, planners can make their decisions based purely on the design, since the functional security is in any case guaranteed thanks to the inner values.
The powder coated parts can, in addition to the two standard colours silver metallic and anthracite metallic, be coated to suit specific customer requirements.


Mega Tower Page 620


Mega Lamelle Page 622


Mega Cone Page 624


Mega Laterne Page 626


Mega Tube Page 628


Mega Square Page 632

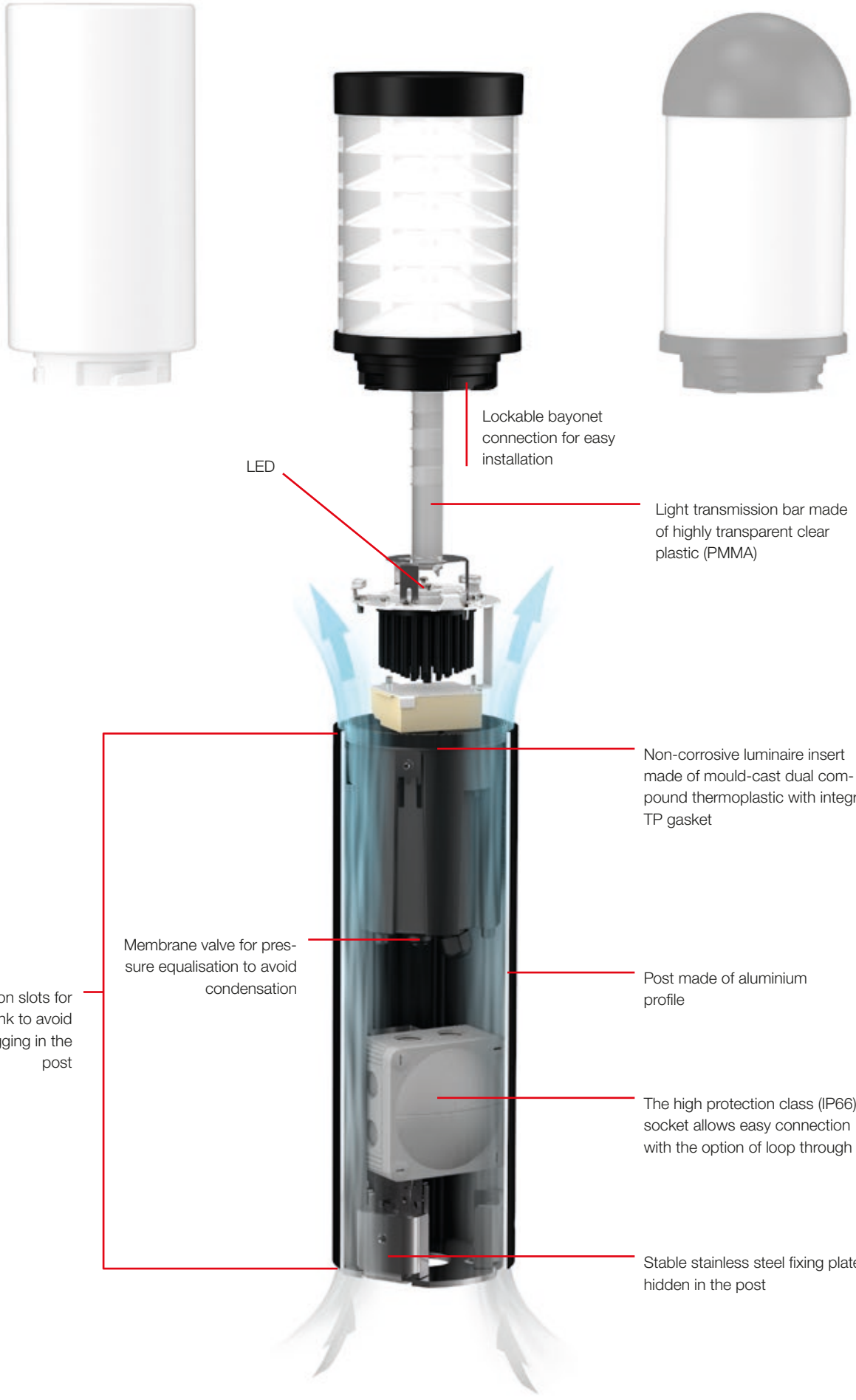

Mega Kugel Page 634


Mega Gürtellinse Page 636


Mega Glaspoller Page 638

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System design of MEGA range

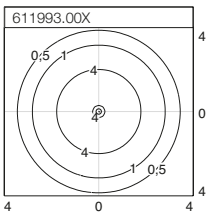


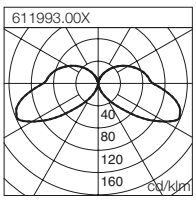


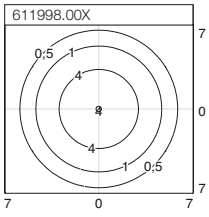
MEGA TOWER

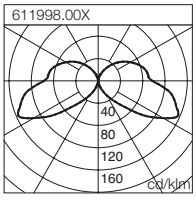
Bollards

- The post made of powder coated corrosion resistant aluminium is anchored to the ground with a sturdy stainless steel plate. This innovative assembly concept guarantees a long service life.
- The innovative housing concept protects light source and driver reliably against all weather conditons
- Seawater resistant coating
- The flush fitting cover made of corrosion resistant pressure die-cast aluminium satisfies stringent aesthetic and functional requirements.
- A sophisticated vent system avoids successfully any condensed water
- The high quality LED optics provide balanced brightness while minimising energy consumption



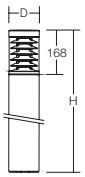






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Bollards | Mega Tower





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Bollard tube Ø 115 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Cover made of corrosion-resistant pressure die-cast aluminium, powder coated, with transparent cylinder (glass) and translucent anti-glare louvres. With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Bollards							**Price Category 12**
Height H 500 mm							
611992.00X	D 115, H 500	LED	830	600 lm	10 W	on/off	A++
611992.00X.1	D 115, H 500	LED	840	620 lm	10 W	on/off	A++
Height H 750 mm							
612146.00X	D 115, H 750	LED	830	600 lm	10 W	on/off	A++
612146.00X.1	D 115, H 750	LED	840	620 lm	10 W	on/off	A++
Height H 1000 mm							
611993.00X	D 115, H 1000	LED	830	600 lm	10 W	on/off	A++
611993.00X.1	D 115, H 1000	LED	840	620 lm	10 W	on/off	A++

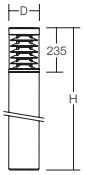
Accessory for ground installation			**Price Category 12**
982103.000	D 115, H 401	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			**Price Category 12**
982260.00X	D 115, H 190	Spare diffuser with intregral louvres	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 57 W QA60 (57 W)
1 x 26 W TC-D (34 W CB)

Bollards | Mega Tower





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Bollard tube Ø 156 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Cover made of corrosion-resistant pressure die-cast aluminium, powder coated, with transparent cylinder (glass) and translucent anti-glare louvres. With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

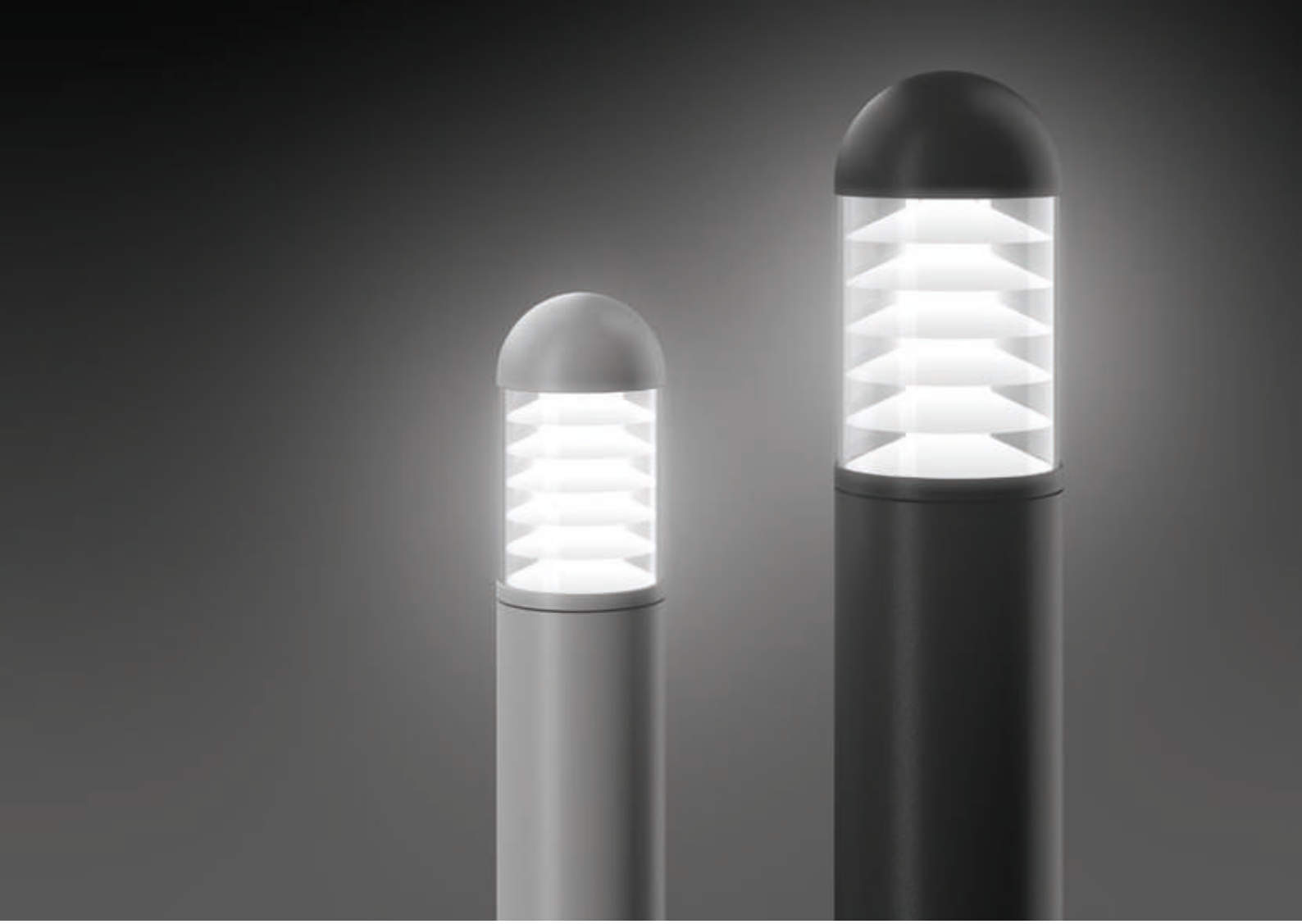
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Bollards							**Price Category 12**
Height H 550 mm							
611997.00X	D 156, H 550	LED [1]	830	1200 lm	20 W	on/off	A+
611997.00X.1	D 156, H 550	LED [1]	840	1250 lm	20 W	on/off	A+
Height H 1200 mm							
611998.00X	D 156, H 1200	LED [1]	830	1200 lm	20 W	on/off	A+
611998.00X.1	D 156, H 1200	LED [1]	840	1250 lm	20 W	on/off	A+

Accessory for ground installation			**Price Category 12**
982155.000	D 153, H 396	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			**Price Category 12**
982263.00X	D 156, H 256	Spare diffuser with intregral louvres	

Comparison
LED vs. conventional lamps

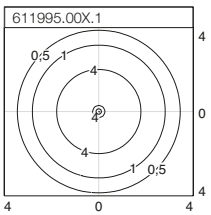
LED 20 W ≈
1 x 116 W QA60 (116 W)
1 x 32 W TC-TEL (36 W EB)

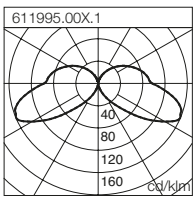


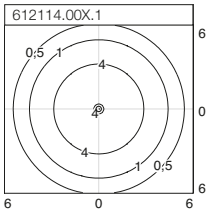
MEGA LAMELLE

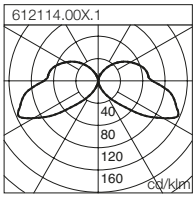
Bollards

- The post made of powder coated corrosion resistant aluminium is anchored to the ground with a sturdy stainless steel plate. This innovative assembly concept guarantees a long service life.
- The innovative housing concept protects light source and driver reliably against all weather conditons
- Seawater resistant coating
- The flush fitting cover made of corrosion resistant pressure die-cast aluminium satisfies stringent aesthetic and functional requirements.
- A sophisticated vent system avoids successfully any condensed water
- The high quality LED optics provide balanced brightness while minimising energy consumption.



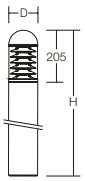






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | Mega Lamelle





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Bollard tube Ø 115 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Cover made of corrosion-resistant pressure die-cast aluminium, powder coated, with transparent cylinder (glass) and translucent anti-glare louvres. With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 550 mm							
611994.00X	D 115, H 550	LED	830	600 lm	10 W	on/off	A++
611994.00X.1	D 115, H 550	LED	840	620 lm	10 W	on/off	A++
Height H 800 mm							
612147.00X	D 115, H 800	LED	830	600 lm	10 W	on/off	A++
612147.00X.1	D 115, H 800	LED	840	620 lm	10 W	on/off	A++
Height H 1050 mm							
611995.00X	D 115, H 1050	LED	830	600 lm	10 W	on/off	A++
611995.00X.1	D 115, H 1050	LED	840	620 lm	10 W	on/off	A++

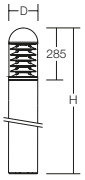
Accessory for ground installation			**Price Category 12**
982103.000	D 115, H 401	Aluminium root with anti-sink protection and fixing set	

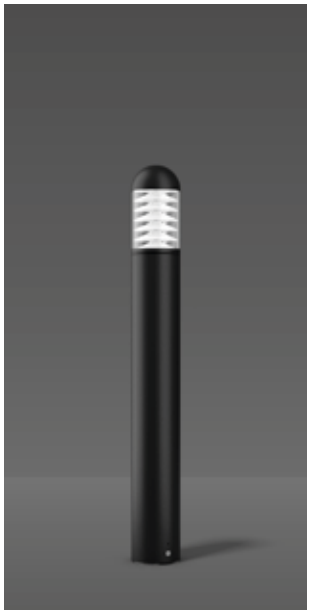
Replacement glasses			**Price Category 12**
982261.00X	D 115, H 228	Spare diffuser with intregral louvres	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 57 W QA60 (57 W)
1 x 26 W TC-D (34 W CB)

Bollards | Mega Lamelle





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Bollard tube Ø 156 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Cover made of corrosion-resistant pressure die-cast aluminium, powder coated, with transparent cylinder (glass) and translucent anti-glare louvres. With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 600 mm							
611999.00X	D 156, H 600	LED [1]	830	1200 lm	20 W	on/off	A+
611999.00X.1	D 156, H 600	LED [1]	840	1250 lm	20 W	on/off	A+
Height H 1250 mm							
612114.00X	D 156, H 1250	LED [1]	830	1200 lm	20 W	on/off	A+
612114.00X.1	D 156, H 1250	LED [1]	840	1250 lm	20 W	on/off	A+

Accessory for ground installation			**Price Category 12**
982155.000	D 153, H 396	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			**Price Category 12**
982264.00X	D 156, H 316	Spare diffuser with intregral louvres	

Comparison
LED vs. conventional lamps

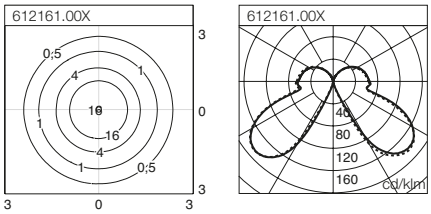
LED 20 W ≈
1 x 116 W QA60 (116 W)
1 x 32 W TC-TEL (36 W EB)

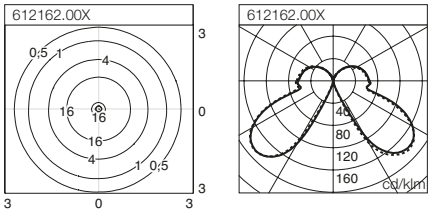


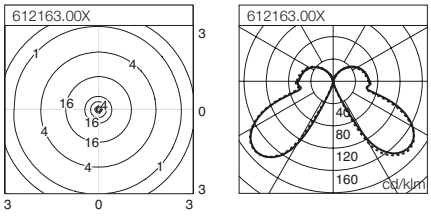
MEGA CONE

Bollards

- The post made of powder coated corrosion resistant aluminium is anchored to the ground with a sturdy stainless steel plate. This innovative assembly concept guarantees a long service life.
- The innovative housing concept protects light source and driver reliably against all weather conditons
- The flush fitting cover made of corrosion resistant pressure die-cast aluminium satisfies stringent aesthetic and functional requirements.
- Seawater resistant coating
- A sophisticated vent system avoids successfully any condensed water
- The high quality LED optics provide balanced brightness while minimising energy consumption.





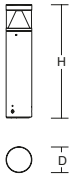


Bollards | Mega Cone

Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Bollard tube Ø 115 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Cover made of corrosion-resistant pressure die-cast aluminium, powder coated, with clear glass cylinder and conical reflector. With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic





Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 505 mm							
612161.00X	D 115, H 505	LED	830	520 lm	10 W	on/off	A++
612161.00X.1	D 115, H 505	LED	840	540 lm	10 W	on/off	A++
Height H 710 mm							
612162.00X	D 115, H 710	LED	830	520 lm	10 W	on/off	A++
612162.00X.1	D 115, H 710	LED	840	540 lm	10 W	on/off	A++
Height H 1035 mm							
612163.00X	D 115, H 1035	LED	830	520 lm	10 W	on/off	A++
612163.00X.1	D 115, H 1035	LED	840	540 lm	10 W	on/off	A++

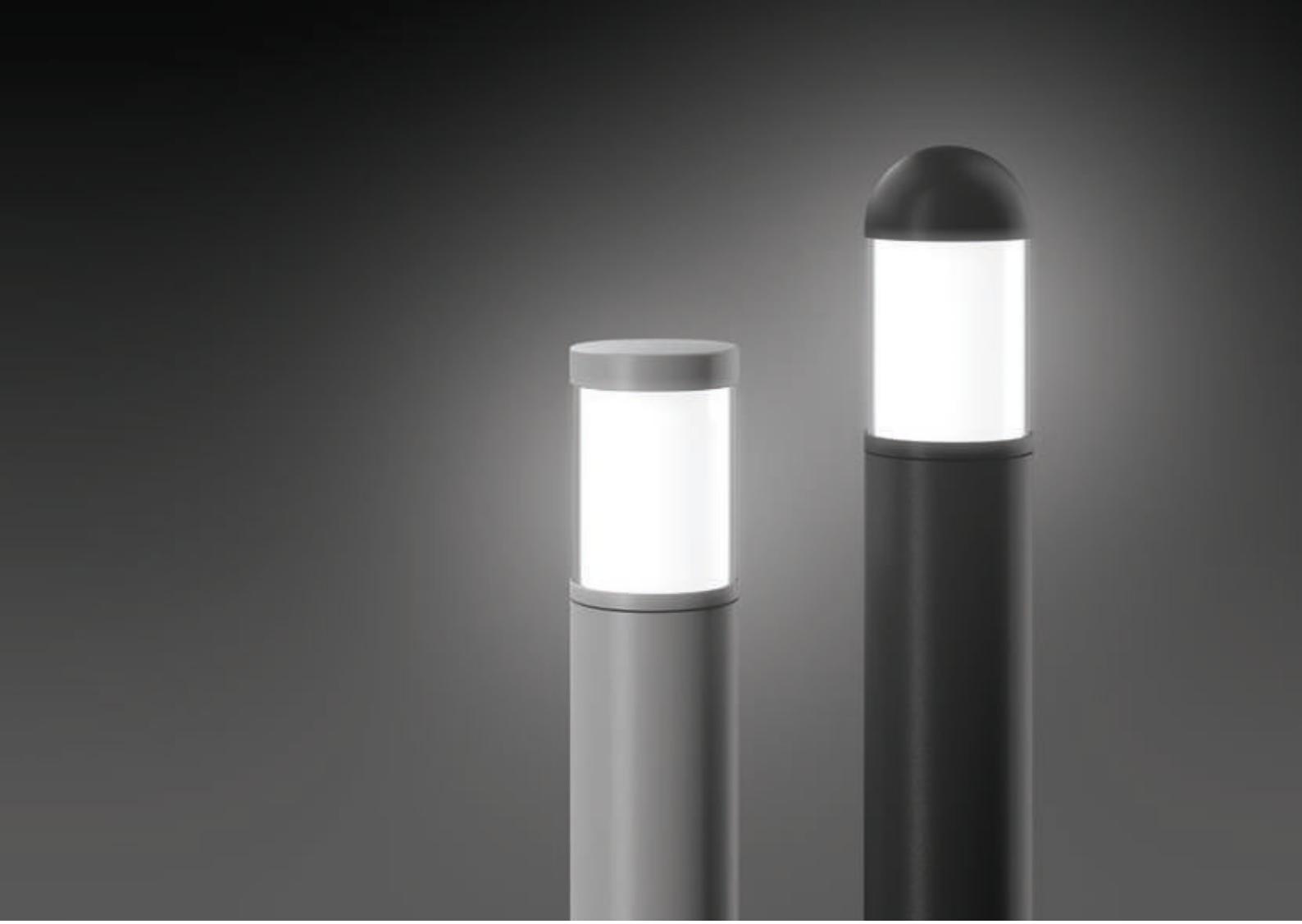
Replacement glass			**Price Category 12**
982527.00X	D 115, H 137	Replacement glass complete with conical screen	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 46 W QA60 (46 W)



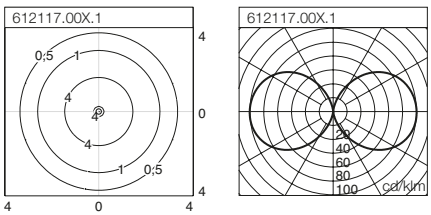
The application image shows:
Mega Cone

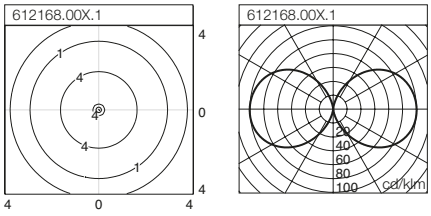


MEGA LATERNE

Bollards

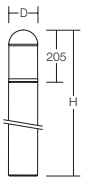
- The post made of powder coated corrosion resistant aluminium is anchored to the ground with a sturdy stainless steel plate. This innovative assembly concept guarantees a long service life.
- The innovative housing concept protects light source and driver reliably against all weather conditons
- Seawater resistant coating
- The flush fitting cover made of corrosion resistant pressure die-cast aluminium satisfies stringent aesthetic and functional requirements.
- A sophisticated vent system avoids successfully any condensed water
- The high quality LED optics provide balanced brightness while minimising energy consumption.





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Bollards | Mega Laterne





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Bollard tube Ø 115 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Cover made of die cast aluminium, powder coated, with opal cylinder (glass). With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm^2 for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 550 mm							
611996.00X	D 115, H 550	LED	830	460 lm	10 W	on/off	A++
611996.00X.1	D 115, H 550	LED	840	480 lm	10 W	on/off	A++
612115.00X	D 115, H 550	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 800 mm							
612149.00X	D 115, H 800	LED	830	460 lm	10 W	on/off	A++
612149.00X.1	D 115, H 800	LED	840	480 lm	10 W	on/off	A++
612148.00X	D 115, H 800	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1050 mm							
612117.00X	D 115, H 1050	LED	830	460 lm	10 W	on/off	A++
612117.00X.1	D 115, H 1050	LED	840	480 lm	10 W	on/off	A++
612116.00X	D 115, H 1050	1 x QA60 (clear) 57 W				on/off	A++ - E

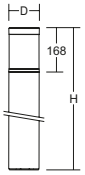
Accessory for ground installation			
			Price Category 12
982103.000	D 115, H 401	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			
			Price Category 13
982262.00X	D 115, H 228	Spare diffuser with intregral louvres	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 57 W QA60 (57 W)

Bollards | Mega Laterne





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Bollard tube Ø 115 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Cover made of die cast aluminium, powder coated, with opal cylinder (glass). With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm^2 for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 500 mm							
612164.00X	D 115, H 500	LED	830	460 lm	10 W	on/off	A++
612164.00X.1	D 115, H 500	LED	840	480 lm	10 W	on/off	A++
612165.00X	D 115, H 500	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 750 mm							
612166.00X	D 115, H 750	LED	830	460 lm	10 W	on/off	A++
612166.00X.1	D 115, H 750	LED	840	480 lm	10 W	on/off	A++
612167.00X	D 115, H 750	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1000 mm							
612168.00X	D 115, H 1000	LED	830	460 lm	10 W	on/off	A++
612168.00X.1	D 115, H 1000	LED	840	480 lm	10 W	on/off	A++
612169.00X	D 115, H 1000	1 x QA60 (clear) 57 W				on/off	A++ - E

Accessory for ground installation			
			Price Category 12
982103.000	D 115, H 401	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			
			Price Category 13
982262.01X	D 116, H 193	Spare diffuser with intregral louvres	

Comparison
LED vs. conventional lamps

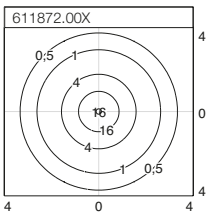
LED 10 W ≈
1 x 57 W QA60 (57 W)

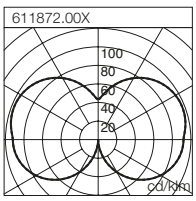


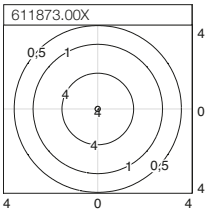
MEGA TUBE

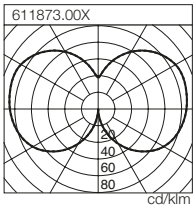
Bollards

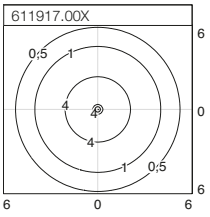
- The inconspicuous, slim and well-proportioned design fits easily into any environment
- The innovative housing concept protects light source and driver reliably against all weather conditons
- Seawater resistant coating
- A sophisticated vent system avoids successfully any condensed water
- The highly efficient LED solution effectively saves energy over a long period of time, providing balanced brightness
- Robust plastic cylinders made of UV-stabilised polyethylene also allow use in environments with increased mechanical stress

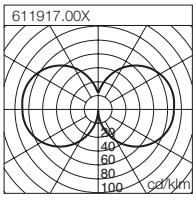










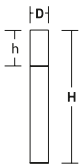




Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | Mega Tube



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03 (Glass), IK07 (Plastic)

Bollard tube Ø 115 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Diffuser: Opal glass, mouth-blown, satin finish, or opal plastic (polyethylene), satin finish. With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Opal glass, satin finish							
Height H 600 mm, h 210 mm							
611872.00X	D 115, H 600	LED	830	650 lm	10 W	on/off	A++
611872.00X.1	D 115, H 600	LED	840	670 lm	10 W	on/off	A++
611875.00X	D 115, H 600	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 800 mm, h 210 mm							
612151.00X	D 115, H 800	LED	830	610 lm	10 W	on/off	A++
612151.00X.1	D 115, H 800	LED	840	620 lm	10 W	on/off	A++
612150.00X	D 115, H 800	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1000 mm, h 210 mm							
611876.00X	D 115, H 1000	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1100 mm, h 310 mm							
611873.00X	D 115, H 1100	LED	830	610 lm	10 W	on/off	A++
611873.00X.1	D 115, H 1100	LED	840	620 lm	10 W	on/off	A++
Height H 1400 mm, h 310 mm							
611874.00X	D 115, H 1400	LED	830	610 lm	10 W	on/off	A++
611874.00X.1	D 115, H 1400	LED	840	620 lm	10 W	on/off	A++
Diffuser: plastic (polyethylene), opal, satin finish							
Height H 600 mm, h 210 mm							
611913.00X	D 115, H 600	LED	830	750 lm	10 W	on/off	A++
611913.00X.1	D 115, H 600	LED	840	770 lm	10 W	on/off	A++
Height H 1100 mm, h 310 mm							
611914.00X	D 115, H 1100	LED	830	640 lm	10 W	on/off	A++
611914.00X.1	D 115, H 1100	LED	840	660 lm	10 W	on/off	A++
Height H 1400 mm, h 310 mm							
611915.00X	D 115, H 1400	LED	830	640 lm	10 W	on/off	A++
611915.00X.1	D 115, H 1400	LED	840	660 lm	10 W	on/off	A++

Accessory for ground installation			Price Category 12
982103.000	D 115, H 401	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			Price Category 13
982108.01X	D 115, H 244	Opal glass, satin finish, h 210 mm	
982554.00X	D 115, H 344	Opal glass, satin finish, h 310 mm	

Replacement diffusers			Price Category 13
982142.002	D 115, H 230	plastic (polyethylene), opal, satin finish, h 210 mm	
982143.002	D 115, H 330	plastic (polyethylene), opal, satin finish, h 310 mm	

Comparison
LED vs. conventional lamps

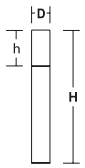
LED 10 W ≈
1 x 100 W GLS (100 W)
1 x 26 W TC-D (34 W CB)



Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 150 W GLS (150 W)
1 x 32 W TC-TEL (36 W EB)

Bollards | Mega Tube



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03 (Glass), IK07 (Plastic)

Bollard tube Ø 156 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Diffuser: Opal glass, mouth-blown, satin finish, or opal plastic (polyethylene), satin finish. With membrane valve to prevent condensation. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Opal glass, satin finish							
Height H 1400 mm, h 440 mm							
611916.00X	D 156, H 1400	LED [1]	830	1400 lm	20 W	on/off	A+
611916.00X.1	D 156, H 1400	LED [1]	840	1450 lm	20 W	on/off	A+
Height H 1800 mm, h 440 mm							
611917.00X	D 156, H 1800	LED [1]	830	1400 lm	20 W	on/off	A+
611917.00X.1	D 156, H 1800	LED [1]	840	1450 lm	20 W	on/off	A+
Height H 2400 mm, h 440 mm							
611918.00X	D 156, H 2400	LED [1]	830	1400 lm	20 W	on/off	A+
611918.00X.1	D 156, H 2400	LED [1]	840	1450 lm	20 W	on/off	A+
Diffuser: plastic (polyethylene), opal, satin finish							
Height H 1400 mm, h 440 mm							
611919.00X	D 156, H 1400	LED [1]	830	1650 lm	20 W	on/off	A+
611919.00X.1	D 156, H 1400	LED [1]	840	1700 lm	20 W	on/off	A+
Height H 1800 mm, h 440 mm							
611920.00X	D 156, H 1800	LED [1]	830	1650 lm	20 W	on/off	A+
611920.00X.1	D 156, H 1800	LED [1]	840	1700 lm	20 W	on/off	A+
Height H 2400 mm, h 440 mm							
611921.00X	D 156, H 2400	LED [1]	830	1650 lm	20 W	on/off	A+
611921.00X.1	D 156, H 2400	LED [1]	840	1700 lm	20 W	on/off	A+

Accessory for ground installation			**Price Category 12**
982155.000	D 153, H 396	Aluminium root with anti-sink protection and fixing set	
982156.000	D 153, H 600	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			**Price Category 13**
982152.00X	D 156, H 462	Opal glass, satin finish, h 440 mm	

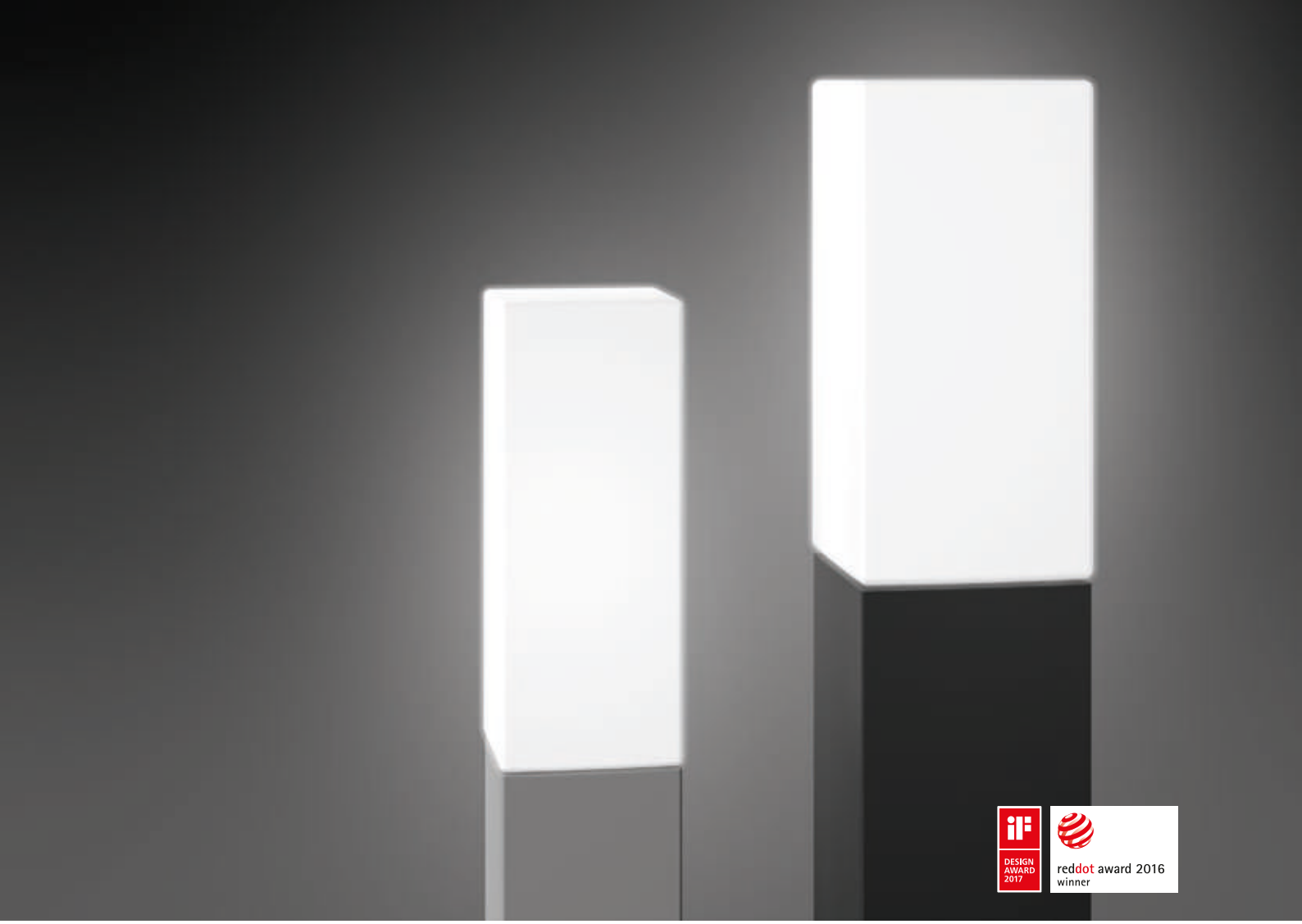
Replacement diffusers			**Price Category 13**
982154.002	D 157, H 467	plastic (polyethylene), opal, satin finish, h 440 mm	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

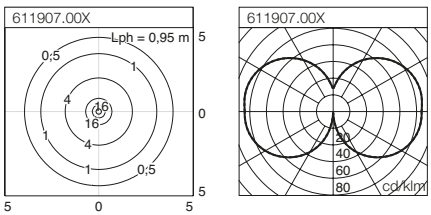
The application image shows:
Mega Tube

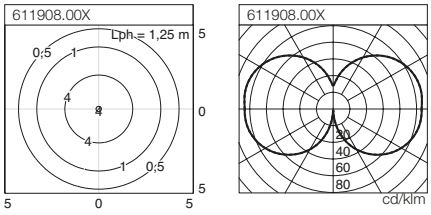


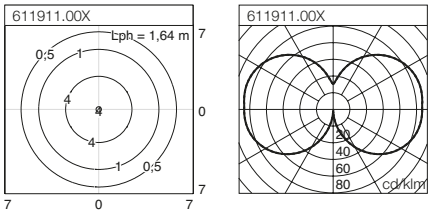
MEGA SQUARE

Bollards

- The innovative housing concept protects light source and driver reliably against all weather conditons
- A sophisticated vent system avoids successfully any condensed water
- Seawater resistant coating
- The highly efficient LED solution effectively saves energy over a long period of time, providing balanced brightness
- Version with sockets on request

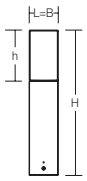






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

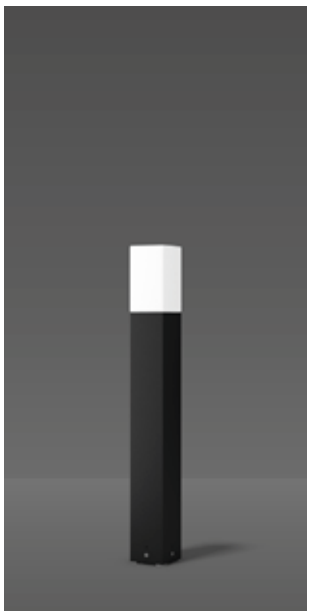
Bollards | Mega Square



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02

Bollard tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Opal glass: mouth-blown, satin finish. With membrane valve as a standard to prevent condensed water. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Bollards							**Price Category 12**
Height H 600 mm, h 210 mm							
611905.00X	L 120, B 120, H 600	LED	830	740 lm	10 W	on/off	A++
611905.00X.1	L 120, B 120, H 600	LED	840	750 lm	10 W	on/off	A++
611904.00X	L 120, B 120, H 600	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 800 mm, h 210 mm							
612153.00X	L 120, B 120, H 800	LED	830	640 lm	10 W	on/off	A++
612153.00X.1	L 120, B 120, H 800	LED	840	760 lm	10 W	on/off	A++
612152.00X	L 120, B 120, H 800	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1000 mm, h 210 mm							
611909.00X	L 120, B 120, H 1000	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1100 mm, h 310 mm							
611907.00X	L 120, B 120, H 1100	LED	830	640 lm	10 W	on/off	A++
611907.00X.1	L 120, B 120, H 1100	LED	840	760 lm	10 W	on/off	A++
Height H 1400 mm, h 310 mm							
611908.00X	L 120, B 120, H 1400	LED	830	640 lm	10 W	on/off	A++
611908.00X.1	L 120, B 120, H 1400	LED	840	760 lm	10 W	on/off	A++

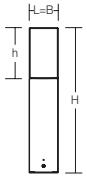
Accessory for ground installation			Price Category 12
982103.010	L 120, B 120, H 401	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			Price Category 13
982132.002	L 120, B 120, H 235	Opal glass, satin finish, h 210 mm	
982133.002	L 120, B 120, H 335	Opal glass, satin finish, h 310 mm	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 100 W GLS (100 W)
1 x 26 W TC-D (34 W CB)

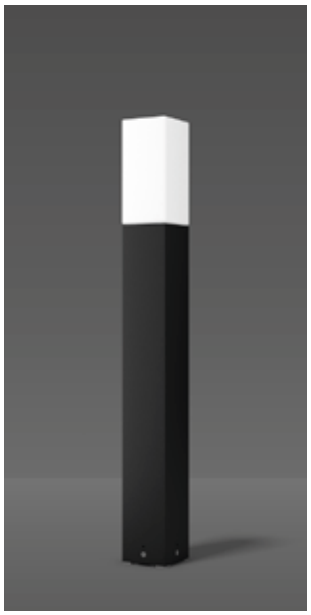
Bollards | Mega Square



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02

Bollard tube made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Opal glass: mouth-blown, satin finish. With membrane valve as a standard to prevent condensed water. Connection box on base, max. 2 x 3 x 2.5 mm² for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Bollards							**Price Category 12**
Height H 1400 mm, h 330 mm							
611910.00X	L 156, B 156, H 1400	LED (1)	830	1350 lm	20 W	on/off	A+
611910.00X.1	L 156, B 156, H 1400	LED (1)	840	1350 lm	20 W	on/off	A+
Height H 1800 mm, h 330 mm							
611911.00X	L 156, B 156, H 1800	LED (1)	830	1350 lm	20 W	on/off	A+
611911.00X.1	L 156, B 156, H 1800	LED (1)	840	1350 lm	20 W	on/off	A+
Height H 2400 mm, h 330 mm							
611912.00X	L 156, B 156, H 2400	LED (1)	830	1350 lm	20 W	on/off	A+
611912.00X.1	L 156, B 156, H 2400	LED (1)	840	1350 lm	20 W	on/off	A+

Accessory for ground installation			Price Category 12
982155.010	L 156, B 156, H 401	Aluminium root with anti-sink protection and fixing set	
982157.000	L 156, B 156, H 596	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			Price Category 13
982176.002	L 156, B 156, H 352	Opal glass, satin finish, h 330 mm	

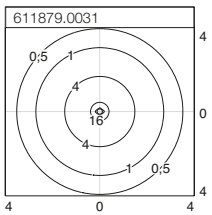
Comparison
LED vs. conventional lamps

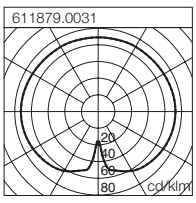
LED 20 W ≈
1 x 150 W GLS (150 W)
1 x 32 W TC-TEL (36 W EB)

MEGA KUGEL

Bollards

- The classic spherical luminaire combines harmony with a high degree of freedom of design
- Seawater resistant coating
- A sophisticated vent system avoids successfully any condensed water
- The highly efficient LED solution effectively saves energy over a long period of time, providing controlled brightness



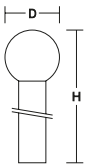




Further luminaires of this series, see:
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | Mega Kugel



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02

Bollard tube Ø 115 mm made of corrosion resistant Aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Opal glass diffuser with satin finish. With membrane valve as a standard to prevent condensed water. Integral electronic gear. Connection box on base, max. 2 x 3 x 2.5 mm^2 for loop through.

Available colour: 31 = anthracite metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 600 mm							
611877.0031	D 300, H 600	LED	830	710 lm	10 W	on/off	A++
611877.0031.1	D 300, H 600	LED	840	760 lm	10 W	on/off	A++
611880.0031	D 300, H 600	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 900 mm							
611878.0031	D 300, H 900	LED	830	710 lm	10 W	on/off	A++
611878.0031.1	D 300, H 900	LED	840	760 lm	10 W	on/off	A++
611890.0031	D 300, H 900	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1200 mm							
611879.0031	D 300, H 1200	LED	830	710 lm	10 W	on/off	A++
611879.0031.1	D 300, H 1200	LED	840	760 lm	10 W	on/off	A++
611881.0031	D 300, H 1200	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 2000 mm							
611889.0031	D 300, H 2000	LED	830	710 lm	10 W	on/off	A++
611889.0031.1	D 300, H 2000	LED	840	760 lm	10 W	on/off	A++
611888.0031	D 300, H 2000	1 x QA60 (clear) 57 W				on/off	A++ - E

Accessory for ground installation			Price Category 12
982103.000	D 115, H 401	Aluminium root with anti-sink protection and fixing set	
982236.000	D 115, H 601	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			Price Category 13
982110.002	D 300, H 301	Opal glass, satin finish	

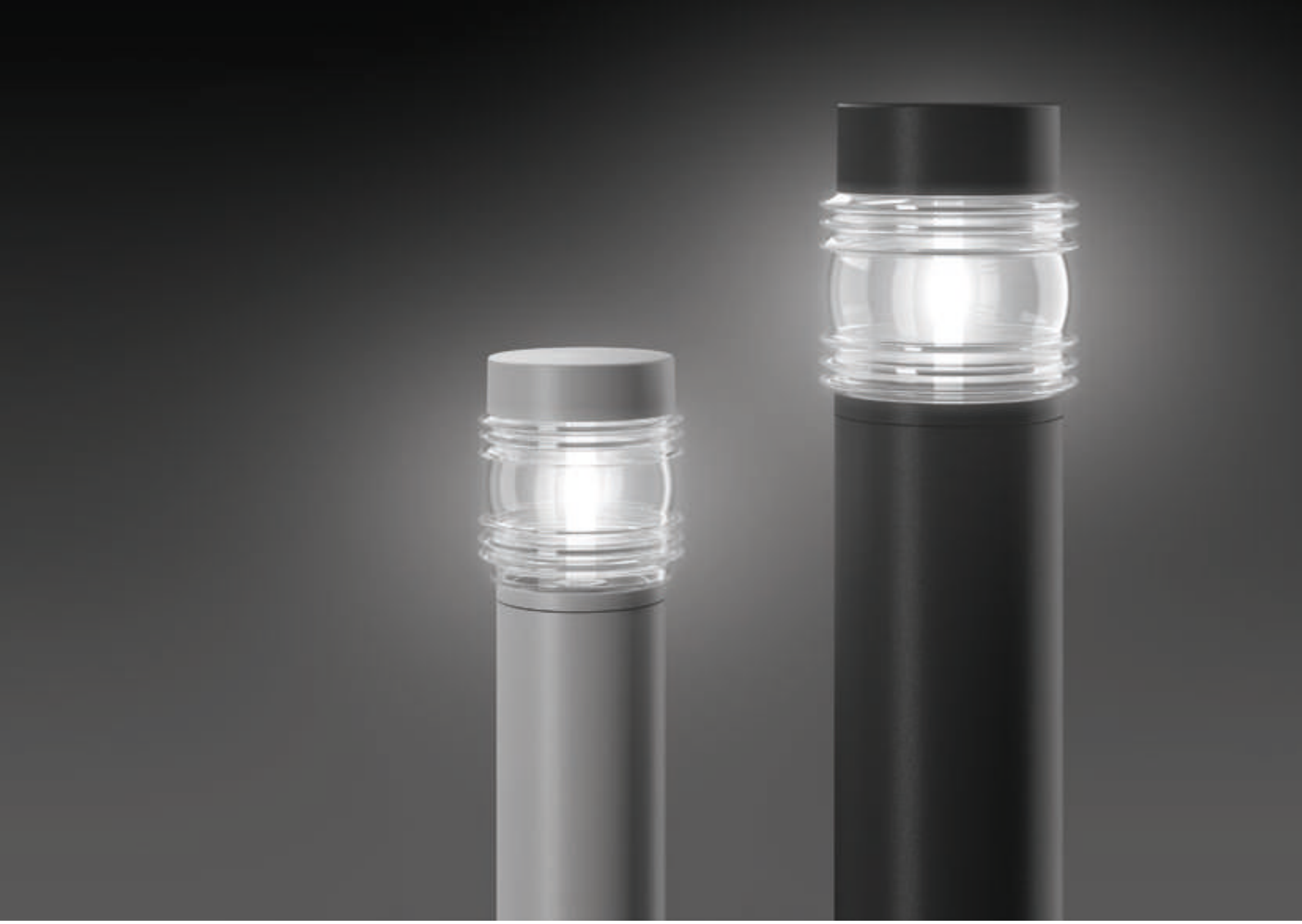
Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 77 W QA60 (77 W)
1 x 26 W TC-D (34 W CB)



© Sonja Krebs

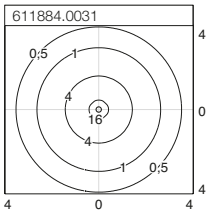
The application image shows:
Mega Kugel

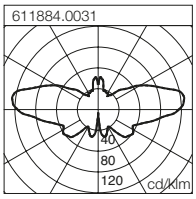


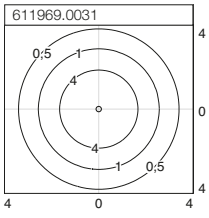
MEGA GÜRTELLINSE

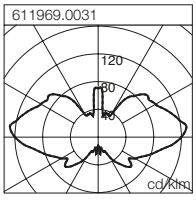
Bollards

- The drum lens is attractive during the day, and at night guarantees unlimited bright light in the entire surroundings
- The fully integrated, encapsulated housing guarantees a high protection rating for trouble-free operation without the formation of condensation
- The robust stainless steel mounting base ensures long-term stability
- Seawater resistant coating
- A sophisticated vent system avoids successfully any condensed water



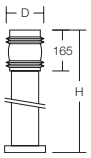






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | Mega Gürtellinse



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02

Bollard tube Ø 115 mm made of corrosion resistant Aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Clear, drum-lens shaped glass diffuser. With membrane valve as a standard to prevent condensed water. Integral electronic gear. Connection box on base, max. 2 x 3 x 2.5 mm^2 for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 500 mm							
611882.00X	D 140, H 500	LED	830	500 lm	10 W	on/off	A++
611882.00X.1	D 140, H 500	LED	840	520 lm	10 W	on/off	A++
611885.00X	D 140, H 500	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 750 mm							
611883.00X	D 140, H 750	LED	830	500 lm	10 W	on/off	A++
611883.00X.1	D 140, H 750	LED	840	520 lm	10 W	on/off	A++
611886.00X	D 140, H 750	1 x QA60 (clear) 57 W				on/off	A++ - E
Height H 1000 mm							
611884.00X	D 140, H 1000	LED	830	500 lm	10 W	on/off	A++
611884.00X.1	D 140, H 1000	LED	840	520 lm	10 W	on/off	A++
611887.00X	D 140, H 1000	1 x QA60 (clear) 57 W				on/off	A++ - E

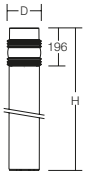
Accessory for ground installation			Price Category 12
982103.000	D 115, H 401	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			Price Category 12
982553.00X	D 140, H 187	Replacement glass with metal cap	

Comparison
LED vs. conventional lamps

LED 10 W ≈
1 x 57 W QA60 (57 W)
1 x 26 W TC-D (34 W CB)

Bollards | Mega Gürtellinse



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02

Bollard tube Ø 156 mm made of corrosion resistant Aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Clear, drum-lens shaped glass diffuser. With membrane valve as a standard to prevent condensed water. Integral electronic gear. Connection box on base, max. 2 x 3 x 2.5 mm^2 for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic



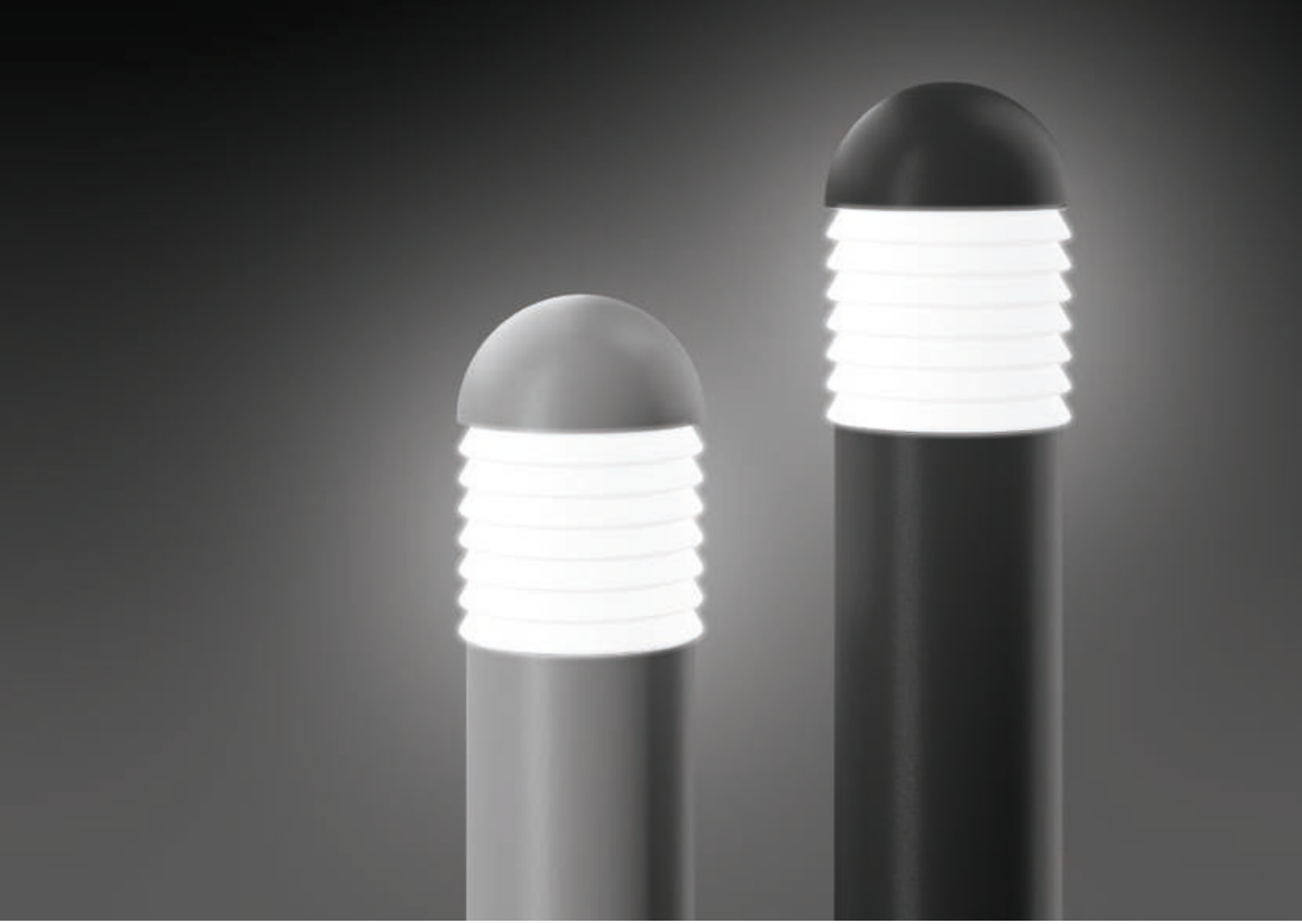
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 500 mm							
611968.00X	D 179, H 500	LED (1)	830	930 lm	20 W	on/off	A+
611968.00X.1	D 179, H 500	LED (1)	840	970 lm	20 W	on/off	A+
611966.00X	D 179, H 500	1 x QA60 (clear) 77 W				on/off	A++ - E
Height H 1200 mm							
611969.00X	D 179, H 1200	LED (1)	830	930 lm	20 W	on/off	A+
611969.00X.1	D 179, H 1200	LED (1)	840	970 lm	20 W	on/off	A+
611967.00X	D 179, H 1200	1 x QA60 (clear) 77 W				on/off	A++ - E

Accessory for ground installation			Price Category 12
982155.000	D 153, H 396	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			Price Category 13
981142.01X	D 176, H 232	Replacement glass with metal cap	

Comparison
LED vs. conventional lamps

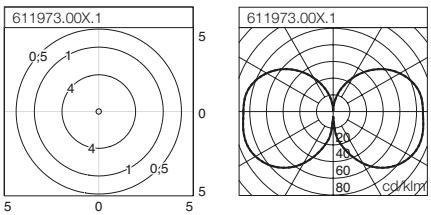
LED 20 W ≈
1 x 77 W QA60 (77 W)
1 x 26 W TC-D (34 W CB)



MEGA GLASPOLLER

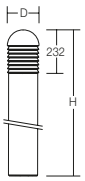
Bollards

- A different take on lamellas - the mouth blown opal glass is tiered and plays with light and shadow both day and night.
- A sophisticated vent system avoids successfully any condensed water
- Simple and sturdy design allows cost-effective installation
- Seawater resistant coating



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Bollards | Mega Glaspoller



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK03

Bollard tube Ø 156 mm made of corrosion-resistant aluminium profile, powder coated. Recessed stainless steel fixing plate. Non-corrosive gear compartment made of mould-cast dual compound thermoplastic with integral TP gasket. Opal glass cover with satin finish, powder coated metal cap. With membrane valve as a standard to prevent condensed water. Connection box on base, max. 2 x 3 x 2.5 mm^2 for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards							**Price Category 12**
Height H 550 mm							
611972.00X	D 169, H 550	LED [1]	830	860 lm	20 W	on/off	A+
611972.00X.1	D 169, H 550	LED [1]	840	890 lm	20 W	on/off	A+
611970.00X	D 169, H 550	1 x QA60 (clear) 77 W				on/off	A++ - E
Height H 1200 mm							
611973.00X	D 169, H 1200	LED [1]	830	860 lm	20 W	on/off	A+
611973.00X.1	D 169, H 1200	LED [1]	840	890 lm	20 W	on/off	A+
611971.00X	D 169, H 1200	1 x QA60 (clear) 77 W				on/off	A++ - E

Accessory for ground installation			**Price Category 12**
982155.000	D 153, H 396	Aluminium root with anti-sink protection and fixing set	

Replacement glasses			**Price Category 13**
981143.01X	D 169, H 248	Replacement glass with metal cap	

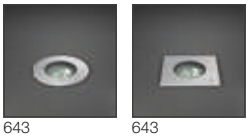
Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 77 W QA60 (77 W)
1 x 26 W TC-D (34 W CB)



The application image shows:
Terra Edelstahl 190

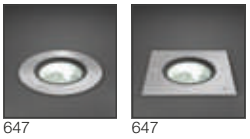
© Linus Lintner


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643

Terra Edelstahl 130

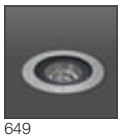
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Terra Edelstahl 190

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Terra Edelstahl 245

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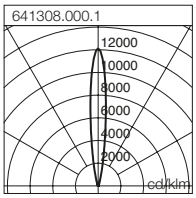
TERRA EDELSTAHL 130

In-ground luminaires

- In-ground luminaire for pedestrian areas, maximum load 2000 kg
- Choice of three different light distributions: Narrow Spot, Medium Spot and Flood
- LEDPAR16 version featuring GU10 socket available
- No condensed water inside by hermetically sealed inner compartment and vapour seal
- Durable corrosion resistance even in aggressive soil thanks to housing of thermoset material, cover ring made of marine grade stainless steel
- High object illuminance due to precise optics despite low power

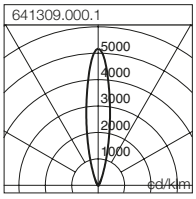
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h [m]	⌀ [m]	E [lx]
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3,0	0,67	304
2,0	0,45	684
1,0	0,22	2734



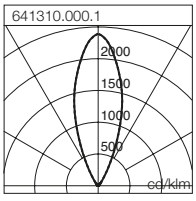
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2,0	0,71	288
1,0	0,35	1151



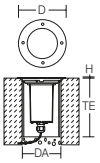
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5,0	3,23	21
4,0	2,58	33
3,0	1,94	59
2,0	1,29	134
1,0	0,65	535



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

In-ground luminaires | Terra Edelstahl 130





Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Round marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Choice of GU10 socket for LEDPAR16 lamps. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation (apart from PAR16 versions). With H07RN-F 3G1 connecting cable, L 500 mm.

Use of in-ground support is necessary, please order separately

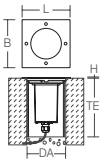
Available colour: 0 = stainless steel

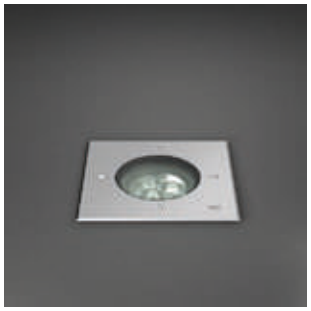
Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 30 W QA60 (30 W)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
In-ground luminaires								**Price Category 12**
Cut out DA 125 mm, TE 200 mm								
641308.000	D 130, H 2	LED	830	250 lm	4 W	12°	on/off	A+
641309.000	D 130, H 2	LED	830	250 lm	4 W	20°	on/off	A+
641310.000	D 130, H 2	LED	830	250 lm	4 W	37°	on/off	A+
641308.000.1	D 130, H 2	LED	840	280 lm	4 W	12°	on/off	A+
641309.000.1	D 130, H 2	LED	840	280 lm	4 W	20°	on/off	A+
641310.000.1	D 130, H 2	LED	840	280 lm	4 W	37°	on/off	A+
Lamp not included								
641314.000	D 130, H 2	1 x LEDPAR16 5 W					on/off	A++

In-ground luminaires | Terra Edelstahl 130





Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Square marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Choice of GU10 socket for LEDPAR16 lamps. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation (apart from PAR16 versions). With H07RN-F 3G1 connecting cable, L 500 mm.

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel

Comparison
LED vs. conventional lamps

LED 4 W ≈
1 x 30 W QA60 (30 W)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
In-ground luminaires								**Price Category 12**
Cut out DA 125 mm, TE 200 mm								
641311.000	L 130, B 130, H 2	LED	830	250 lm	4 W	12°	on/off	A+
641312.000	L 130, B 130, H 2	LED	830	250 lm	4 W	20°	on/off	A+
641313.000	L 130, B 130, H 2	LED	830	250 lm	4 W	37°	on/off	A+
641311.000.1	L 130, B 130, H 2	LED	840	280 lm	4 W	12°	on/off	A+
641312.000.1	L 130, B 130, H 2	LED	840	280 lm	4 W	20°	on/off	A+
641313.000.1	L 130, B 130, H 2	LED	840	280 lm	4 W	37°	on/off	A+
Lamp not included								
641315.000	L 130, B 130, H 2	1 x LEDPAR16 5 W					on/off	A++



In-ground support, mandatory, can be cut on site			**Price Category 12**
982194.003	D 125, H 540	In-ground suport: plastic	

Accessories			**Price Category 11**
982408.010	D 78, H 10	Glass, non-slip with seal	
982399.003	L 170 x B 71, H 35	H-distributor IP 68	
982398.003	L 81 x B 35, H 35	IP 68 plug connector	

Replacement glass			**Price Category 13**
982408.000	D 78, H 10	Glass with seal	

TERRA EDELSTAHL 190

Out of this world?

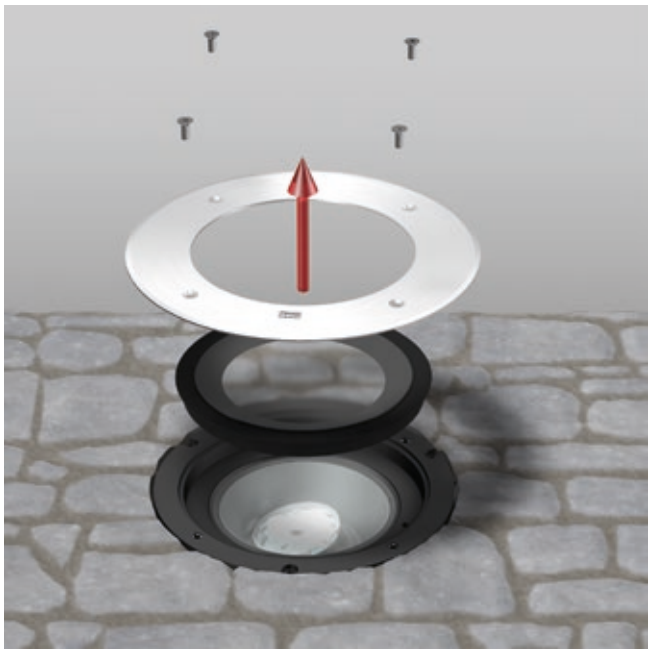
When you think what effort, usually unsuccessful, is put into the search for the „perfect“ recessed ground luminaire, one does in fact tend to describe the TERRA EDELSTAHL family as „out of this world“. Yet its members are by no means extraterrestrials - they are simply heavenly solutions for earthly problems like condensation, corrosion, wiring etc.

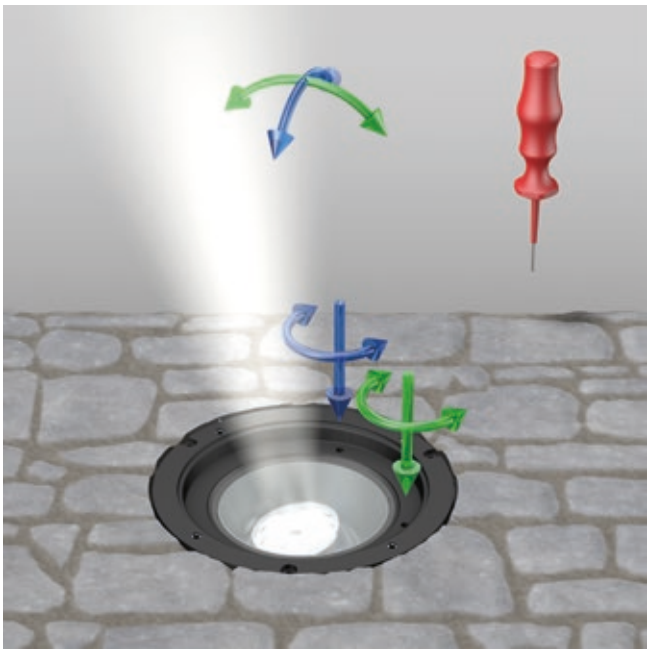
☑ **Long service life**
Durable corrosion resistance even in aggressive soil thanks to housing made of thermoset material, cover ring made of marine grade stainless steel and flush mounted toughened glass. The use of state-of-the-art LED technology allows a long luminaire service life and reduced energy consumption.

☑ **Impermeability**
The innovative housing concept (IP 68) reliably protects the light source and converter from all environmental conditions. No condensed water inside thanks to hermetically sealed inner compartment and vapour seal. The inside of the housing is completely airtight even during connection and adjustment.

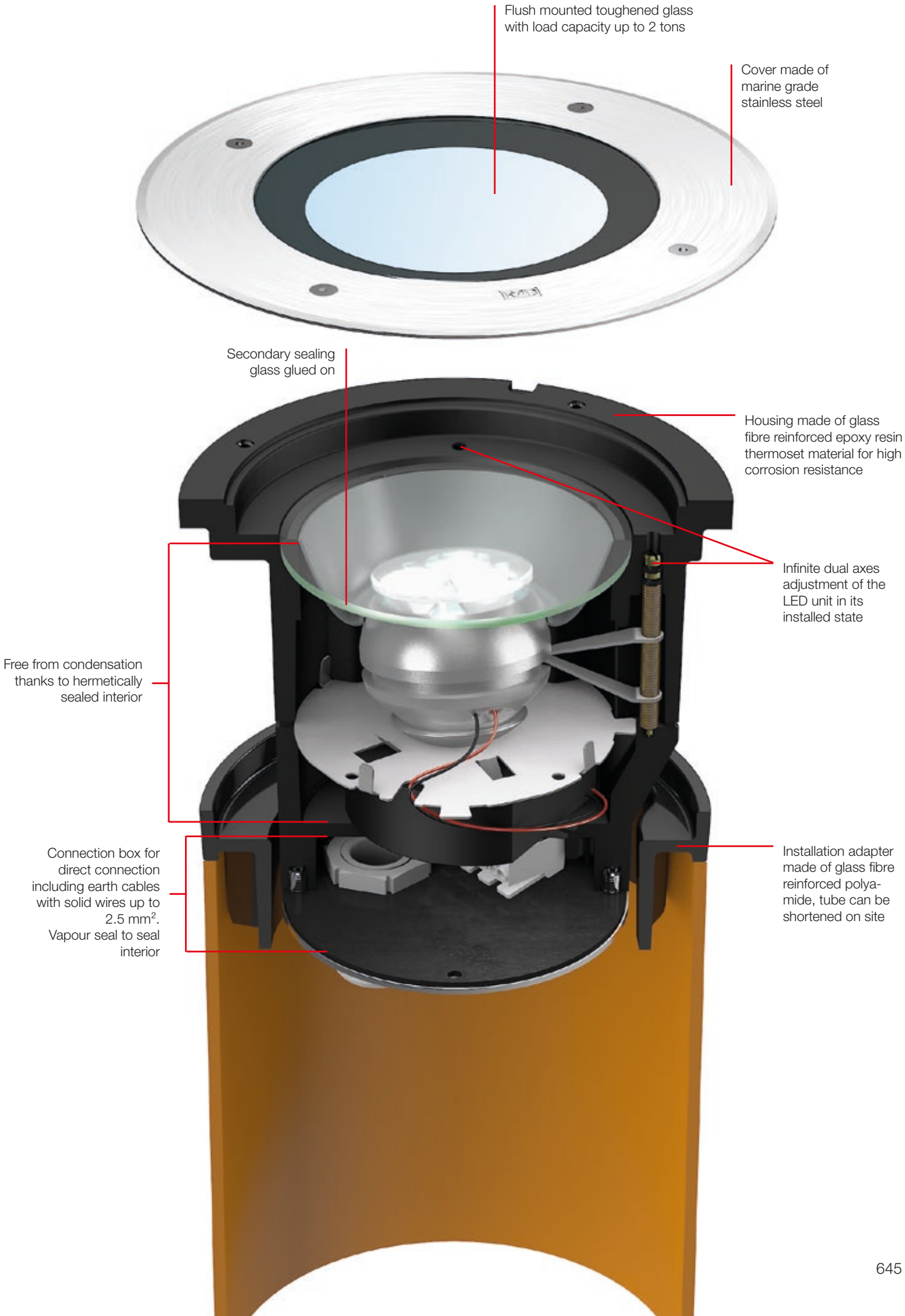
☑ **Flexibility**
High-quality LED optics provide balanced brightness. 3 different LED beam angles ensure planning flexibility. The LED can be continuously adjusted by a max. of 15 degrees in all directions in its installed state. Hence the light cone can be precisely directed and provides perfect illumination.

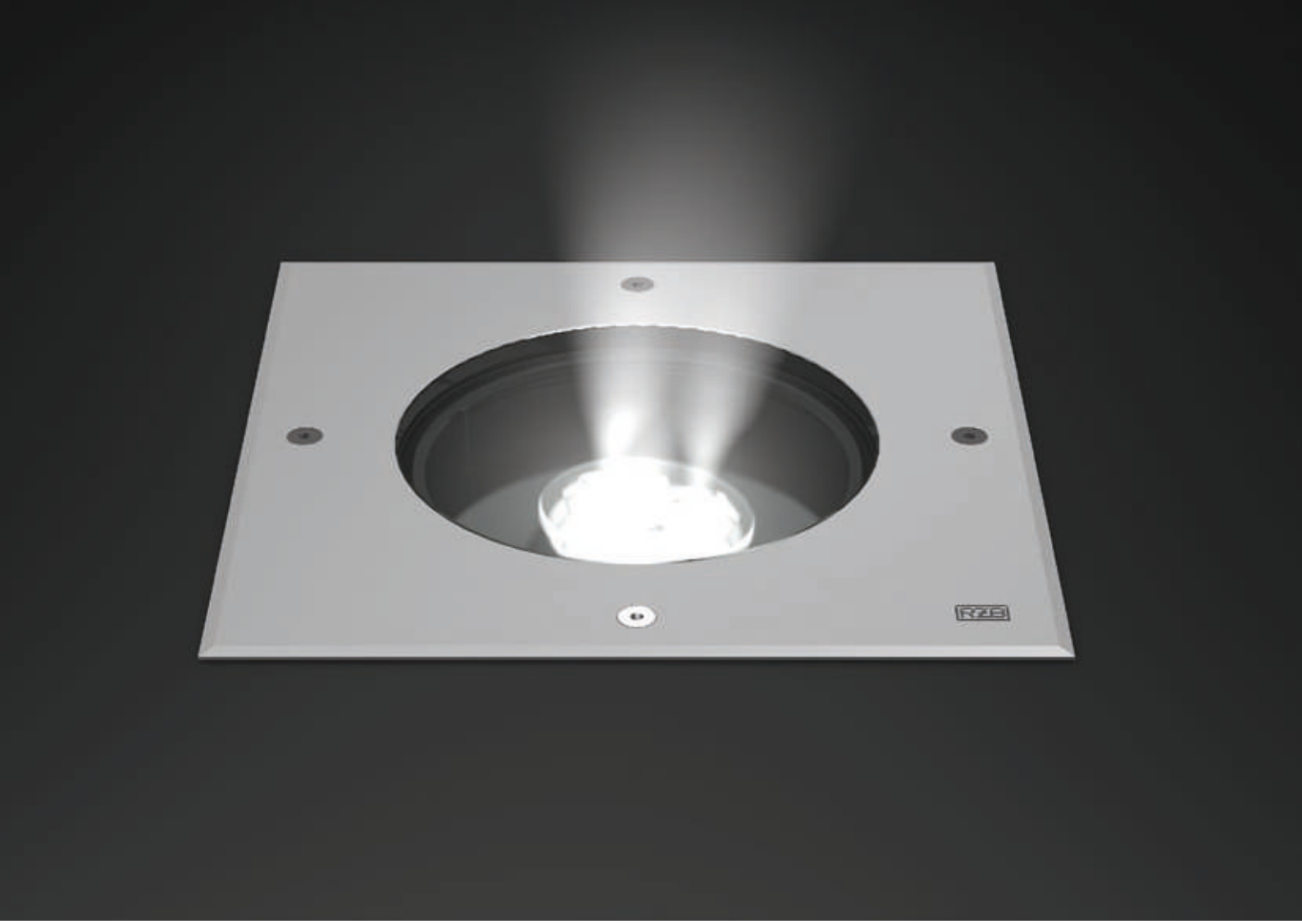
☑ **Connection options**
Separate connection compartment for direct connection of rigid cables up to 3 x 2.5 mm^2. This means that an external connection box is no longer required. The in-ground support can offer enough space for through wiring.





Infinite adjustment of the LED unit by a max. of 15° in all directions in its installed state.


Flush mounted toughened glass with load capacity up to 2 tons
Cover made of marine grade stainless steel
Secondary sealing glass glued on
Housing made of glass fibre reinforced epoxy resin thermoset material for high corrosion resistance
Infinite dual axes adjustment of the LED unit in its installed state
Free from condensation thanks to hermetically sealed interior
Connection box for direct connection including earth cables with solid wires up to 2.5 mm². Vapour seal to seal interior
Installation adapter made of glass fibre reinforced polya-mide, tube can be shortened on site



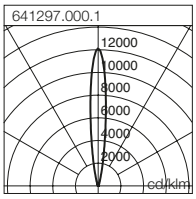
TERRA EDELSTAHL 190

In-ground luminaires

- In-ground luminaire for pedestrian areas, maximum load 2000 kg
- Selection of three beam angles, beam direction can be adjusted from 0 to 15 degrees in all directions
- Beam adjusting is performed from outside while fitting is already mounted in place and sealed
- No condensed water inside by hermetically sealed inner compartment and vapour seal
- Durable corrosion resistance even in aggressive soil thanks to housing of thermoset material, cover ring made of marine grade stainless steel
- Direct mains connection inside luminaire's connection compartment, no separate connection box required
- High object illuminance due to precise optics despite low power

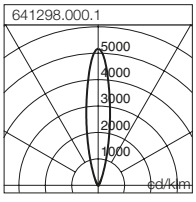
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4,0	0,83	574
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1,0	0,21	9177



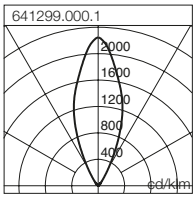
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4,0	1,37	232
3,0	1,03	412
2,0	0,68	927
1,0	0,34	3706



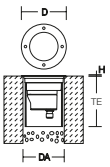
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4,0	2,68	99
3,0	2,01	176
2,0	1,34	396
1,0	0,67	1583



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

In-ground luminaires | Terra Edelstahl 190





Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Round marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Aiming can be adjusted by up to 15° from the vertical from the outside while fitting is already mounted in place and sealed. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation. Separate connection compartment for direct connection of rigid cables up to 3 x 2.5 mm².

Use of in-ground support is necessary, please order separately

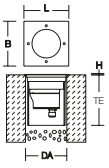
Available colour: 0 = stainless steel

Comparison
LED vs. conventional lamps

LED 12 W ≈
1 x 50 W QT12 (50 W)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimmable	EEC
In-ground luminaires								**Price Category 12**
Cut out DA 175 mm, TE 250 mm								
Rotation symmetrical light distribution, aiming can be adjusted circularly by up to 15 degrees from outside								
641294.000	D 190, H 2	LED	830	810 lm	12 W	12°	on/off	A+
641295.000	D 190, H 2	LED	830	810 lm	12 W	20°	on/off	A+
641296.000	D 190, H 2	LED	830	810 lm	12 W	37°	on/off	A+
641294.000.1	D 190, H 2	LED	840	860 lm	12 W	12°	on/off	A+
641295.000.1	D 190, H 2	LED	840	860 lm	12 W	20°	on/off	A+
641296.000.1	D 190, H 2	LED	840	860 lm	12 W	37°	on/off	A+

In-ground luminaires | Terra Edelstahl 190





Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK08
Maximum Static Load: 2000 kg

Housing made of epoxy resin thermoset, stainless steel, aluminium. Square marine grade stainless steel cover, mill finish. Flush mounted toughened glass with secondary sealing glass. High performance LED refractor optics with different beam angles. Aiming can be adjusted by up to 15° from the vertical from the outside while fitting is already mounted in place and sealed. Integral vapour seal against condensed water. The interior of the housing is sealed in accordance with IP 68 even during installation. Separate connection compartment for direct connection of rigid cables up to 3 x 2.5 mm².

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel

Comparison
LED vs. conventional lamps

LED 12 W ≈
1 x 50 W QT12 (50 W)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimmable	EEC
In-ground luminaires								**Price Category 12**
Cut out DA 175 mm, TE 250 mm								
Rotation symmetrical light distribution, aiming can be adjusted circularly by up to 15 degrees from outside								
641297.000	L 190, B 190, H 2	LED	830	810 lm	12 W	12°	on/off	A+
641298.000	L 190, B 190, H 2	LED	830	810 lm	12 W	20°	on/off	A+
641299.000	L 190, B 190, H 2	LED	830	810 lm	12 W	37°	on/off	A+
641297.000.1	L 190, B 190, H 2	LED	840	860 lm	12 W	12°	on/off	A+
641298.000.1	L 190, B 190, H 2	LED	840	860 lm	12 W	20°	on/off	A+
641299.000.1	L 190, B 190, H 2	LED	840	860 lm	12 W	37°	on/off	A+



In-ground support, mandatory, can be cut on site			**Price Category 12**
982089.003	D 172, H 500	In-ground support: plastic	

Accessories			**Price Category 13**
982088.010	D 132, H 12	Glass, non-slip with seal	

Replacement glass			**Price Category 13**
982088.000	D 132, H 12	Glass with seal	



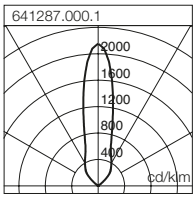
TERRA EDELSTAHL 245

In-ground luminaires

- In-ground luminaire for pedestrian areas, maximum load 2000 kg
- Selection of circular or square shape marine grade stainless steel cover with flush mounted toughened glass
- Choice of five different beam angles: 24 deg, 62 deg and asymmetrical distribution featuring fixed beam direction as well as 10 deg and 28 deg featuring an adjustable reflector
- Non corrosive pressure die-cast aluminium housing
- Flexible power cord H07-RN8F compatible with IP 68 quick connectors and cast resin boxes for electrical connection outside luminaire housing
- Housing with integral vapour seal preventing condensed water
- Choice of 3 in-ground supports for underground cable or cabling with empty conduits
- Slip resistant glass (R12) and anti-glare louvre available as accessories

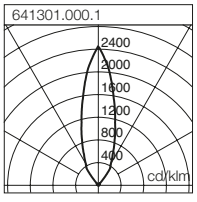
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2,0	0,84	963
1,0	0,42	3853



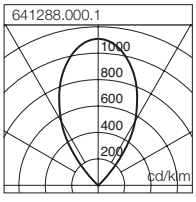
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1,0	0,49	4137



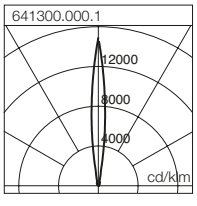
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1,0	1,16	1949

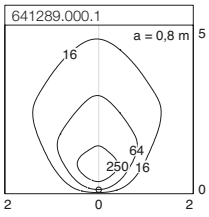


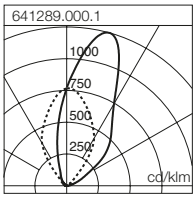
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3,0	0,55	3194
2,0	0,36	7187
1,0	0,18	28746



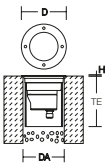
641289.000.1





Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

In-ground luminaires | Terra Edelstahl 245





Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK10
Maximum Static Load: 2000 kg

Corrosion-resistant aluminium pressure die-cast housing, powder coated. Circular shape marine grade stainless steel cover and screws. Flush mounted toughened glass. High-performance LED freeform mirror optics. Integral flexible power cord H07-RN8F. Integral vapour seal against condensed water.

Use of in-ground support is necessary, please order chosen version for your application separately.

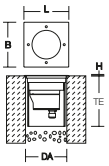
Available colour: 0 = stainless steel

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
In-ground luminaires								**Price Category 12**
Cut out DA 225 mm, TE 145 mm								
Rotation symmetrical light distribution								
641284.000	D 245, H 2	LED	830	2150 lm	28 W	24°	on/off	A+
641285.000	D 245, H 2	LED	830	2150 lm	28 W	62°	on/off	A+
641284.000.1	D 245, H 2	LED	840	2250 lm	28 W	24°	on/off	A+
641285.000.1	D 245, H 2	LED	840	2200 lm	28 W	62°	on/off	A+
Asymmetrical light distribution								
641286.000	D 245, H 2	LED	830	2150 lm	28 W		on/off	A+
641286.000.1	D 245, H 2	LED	840	2200 lm	28 W		on/off	A+

Comparison
LED vs. conventional lamps

LED 28 W ≈
1 x 150 W QT12 (150 W)
1 x 42 W TC-TEL (47 W EB)
1 x 35 W HIT (45 W CB)

In-ground luminaires | Terra Edelstahl 245





Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK10
Maximum Static Load: 2000 kg

Corrosion-resistant aluminium pressure die-cast housing, powder coated. Circular shape marine grade stainless steel cover and screws. Flush mounted toughened glass. High-performance LED freeform mirror optics. Integral flexible power cord H07-RN8F. Integral vapour seal against condensed water.

Use of in-ground support is necessary, please order chosen version for your application separately.

Available colour: 0 = stainless steel

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
In-ground luminaires								**Price Category 12**
Cut out DA 225 mm, TE 145 mm								
Rotation symmetrical light distribution								
641287.000	L 245, B 245, H 2	LED	830	2150 lm	28 W	24°	on/off	A+
641288.000	L 245, B 245, H 2	LED	830	2150 lm	28 W	62°	on/off	A+
641287.000.1	L 245, B 245, H 2	LED	840	2250 lm	28 W	24°	on/off	A+
641288.000.1	L 245, B 245, H 2	LED	840	2200 lm	28 W	62°	on/off	A+
Asymmetrical light distribution								
641289.000	L 245, B 245, H 2	LED	830	2150 lm	28 W		on/off	A+
641289.000.1	L 245, B 245, H 2	LED	840	2200 lm	28 W		on/off	A+

Comparison
LED vs. conventional lamps

LED 28 W ≈
1 x 150 W QT12 (150 W)
1 x 42 W TC-TEL (47 W EB)
1 x 35 W HIT (45 W CB)

In-ground support, mandatory, can be cut on site			**Price Category 12**
982011.000	D 220, H 141	In-ground support for empty conduits cabling	
982016.000	D 234, H 141	Stainless steel in-ground support for empty conduits cabling	
982013.000	D 300, H 60	Bottom closure for large in-ground support	
982012.000	D 302, H 320	Large in-ground support for underground cable	

Accessories			**Price Category 12**
982015.003	D 130, H 19	Lamellar insert	
982014.010	D 185, H 15	Slip resistant glass R12	

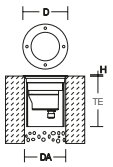
Replacement glass			**Price Category 12**
982014.000	D 185, H 15	Replacement glass	



Comparison
LED vs. conventional lamps

LED 26 W ≈
1 x 150 W QT16 (150 W)
1 x 35 W HIT (45 W CB)

In-ground luminaires | Terra Edelstahl 245



Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK10
Maximum Static Load: 2000 kg

Corrosion-resistant aluminium pressure die-cast housing, powder coated. Circular shape marine grade stainless steel cover and screws. Flush mounted toughened glass. High-performance LED freeform mirror optics. Beam angle can be adjusted up to 10 degrees from vertical. Integral flexible power cord H07-RN8F. Integral vapour seal against condensed water.

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel

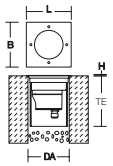
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
In-ground luminaires								**Price Category 12**
Installation slot DA 300 mm, TE 320 mm, cut out 225 mm								
Rotation symmetrical light distribution, aiming can be circular adjusted up to 10 degrees								
641300.000	D 245, H 2	LED	830	2300 lm	26 W	10°	on/off	A+
641301.000	D 245, H 2	LED	830	2000 lm	26 W	28°	on/off	A+
641300.000.1	D 245, H 2	LED	840	2400 lm	26 W	10°	on/off	A+
641301.000.1	D 245, H 2	LED	840	2100 lm	26 W	28°	on/off	A+



Comparison
LED vs. conventional lamps

LED 26 W ≈
1 x 150 W QT16 (150 W)
1 x 35 W HIT (45 W CB)

In-ground luminaires | Terra Edelstahl 245



Type of Protection: **IP 68**
Protection Class: I
Impact Protection: IK10
Maximum Static Load: 2000 kg

Corrosion-resistant aluminium pressure die-cast housing, powder coated. Circular shape marine grade stainless steel cover and screws. Flush mounted toughened glass. High-performance LED freeform mirror optics. Beam angle can be adjusted up to 10 degrees from vertical. Integral flexible power cord H07-RN8F. Integral vapour seal against condensed water.

Use of in-ground support is necessary, please order separately

Available colour: 0 = stainless steel

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
In-ground luminaires								**Price Category 12**
Installation slot DA 300 mm, TE 320 mm, cut out 225 mm								
Rotation symmetrical light distribution, aiming ca be adjusted circularly by up to 10 degrees								
641302.000	L 245, B 245, H 2	LED	830	2300 lm	26 W	10°	on/off	A+
641303.000	L 245, B 245, H 2	LED	830	2000 lm	26 W	28°	on/off	A+
641302.000.1	L 245, B 245, H 2	LED	840	2400 lm	26 W	10°	on/off	A+
641303.000.1	L 245, B 245, H 2	LED	840	2100 lm	26 W	28°	on/off	A+

In-ground support, mandatory, can be cut on site			**Price Category 12**
982013.000	D 300, H 60	Bottom closure for large in-ground support	
982012.000	D 302, H 320	Large in-ground support for underground cable	

Accessories			**Price Category 13**
982014.030	D 185, H 15	Accessory glass, non-slip R12	

Replacement glass			**Price Category 13**
982014.020	D 185, H 15	Replacement glass	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Berschneider

The application image shows:
Terra Edelstahl 245



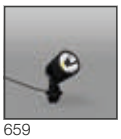
The application image shows:
Alu-Star

© Linus Lintner


655

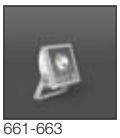

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Alu-Star
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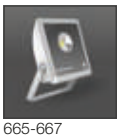

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673

Lightstream LED Mini
660-663
672-673


665-667


665-667


675

Lightstream LED Midi
664-667
674-675


669


669


677

Lightstream LED Maxi
668-671
676-677


679


679

Steel poles
678-679


681


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PAR16
680-682


682

Double Schuko power socket for garden applications
682


683

Standard-Spot
683



ALU-STAR

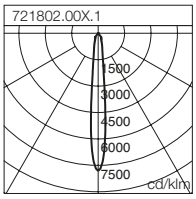
Spotlights

- Made in Germany
- High efficient LED outdoor floodlight by strict thermal separation of LED and driver compartment
- Reflectors made of reflex boosted **MIRO-SILVER®** with choice of four beam angles for ultimate flexibility in application
- Universal mounting position allowed due to sophisticated design details like generous space for cable placement
- Beam direction can be precisely adjusted and locked into position for tilt and rotation by sophisticated stepped mechanics

- Robust outdoor operation ensured by use of high quality material like powder coated, corrosion-resistant pressure die-cast aluminium, toughened glass and stainless steel
- Seawater resistant coating
- Corrosion-resitant fixing straps of stainless steel; drill hole deviations can be easily compensated

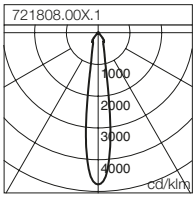
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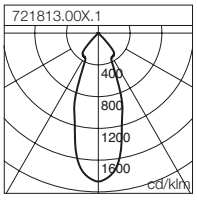
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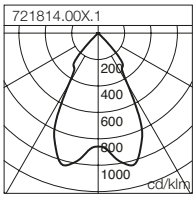
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5,0	3,38	605



721814.00X.1

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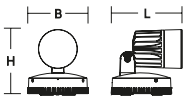




Further luminaires of this series, see:
Outdoor lighting | Pole top luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | Alu-Star Mini





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Stainless steel fixing clips with compensation for drill hole deviations. Rotation angle can be adjusted and locked in 3 degree steps, tilt angle in 5 degree steps with angular scale. Thermally decoupled driver compartment, integral driver. Toughened glass cover. COB-LEDs with socket, selection of light colour 830 or 840. Rotation-symmetric reflector made of reflex-boosted **MIRO-SILVER**®. With membrane valve as a standard to prevent condensed water. Piano-key terminal up to 2 x 5 x 2,5 mm², max cable Ø 13 mm, comes with second cable gland for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight								**Price Category 12**
Spot, narrow beam								
721802.00X	L 200, B 180, H 210	LED	830	3800 lm	42 W	10°	on/off	A+
721802.00X.76	L 240, B 240, H 215	LED	830	3800 lm	42 W	10°	DALI	A+
721802.00X.1	L 200, B 180, H 210	LED	840	3950 lm	42 W	10°	on/off	A+
721802.00X.1.76	L 240, B 240, H 215	LED	840	3950 lm	42 W	10°	DALI	A+
Spot, medium beam								
721803.00X	L 200, B 180, H 210	LED	830	4550 lm	40 W	26°	on/off	A++
721803.00X.76	L 240, B 240, H 215	LED	830	4550 lm	40 W	26°	DALI	A++
721803.00X.1	L 200, B 180, H 210	LED	840	4650 lm	40 W	26°	on/off	A++
721803.00X.1.76	L 240, B 240, H 215	LED	840	4650 lm	40 W	26°	DALI	A++
Spot, wide beam								
721804.00X	L 200, B 180, H 210	LED	830	4400 lm	40 W	40°	on/off	A++
721804.00X.76	L 240, B 240, H 215	LED	830	4400 lm	40 W	40°	DALI	A++
721804.00X.1	L 200, B 180, H 210	LED	840	4550 lm	40 W	40°	on/off	A++
721804.00X.1.76	L 240, B 240, H 215	LED	840	4550 lm	40 W	40°	DALI	A++

Comparison
LED vs. conventional lamps

LED 40 / 42 W ≈
1 x 70 W HIT-CE (84 W CB)

Snap-on hood			**Price Category 12**
982165.003	L 140, B 121, H 130	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			**Price Category 12**
982162.003	D 120, L 129, H 85	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			**Price Category 12**
982168.003	L 266, B 266, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Frame attachment with colour filters with mounting attachment			**Price Category 12**
982159.006	D 121, H 58	Glass: blue. Frame: stainless steel, powder coated, black	
982159.007	D 121, H 58	Glass: yellow. Frame: stainless steel, powder coated, black	
982159.0077	D 121, H 58	Glass: green. Frame: stainless steel, powder coated, black	
982159.008	D 121, H 58	Glass: red. Frame: stainless steel, powder coated, black	

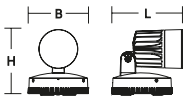


Accessory for ground installation			**Price Category 12**
982241.0031	D 180, H 40, HE 400	Aluminium root with anti-sink protection and fixing set	





Spotlights | Alu-Star Midi



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Stainless steel fixing clips with compensation for drill hole deviations. Rotation angle can be adjusted and locked in 3,6 degree steps, tilt angle in 5 degree steps with angular scale. Thermally decoupled driver compartment, integral driver. Toughened glass cover. COB-LEDs with socket, selection of light colour 830 or 840. Rotation-symmetric reflector made of reflex-boosted **MIRO-SILVER®**. With membrane valve as a standard to prevent condensed water. Piano-key terminal up to 2 x 5 x 2,5 mm², max cable Ø 13 mm, comes with second cable gland for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Comparison
LED vs. conventional lamps

LED 56 / 57 W ≈
1 x 100 W HIT-CE (115 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight								**Price Category 12**
Spot, narrow beam								
721807.00X	L 255, B 240, H 255	LED	830	5100 lm	57 W	10°	on/off	A++
721807.00X.76	L 255, B 240, H 255	LED	830	5100 lm	57 W	10°	DALI	A++
721807.00X.1	L 255, B 240, H 255	LED	840	5250 lm	57 W	10°	on/off	A++
721807.00X.1.76	L 255, B 240, H 255	LED	840	5250 lm	57 W	10°	DALI	A++
Spot, medium beam								
721808.00X	L 255, B 240, H 255	LED	830	6300 lm	56 W	24°	on/off	A++
721808.00X.76	L 255, B 240, H 255	LED	830	6300 lm	56 W	24°	DALI	A++
721808.00X.1	L 255, B 240, H 255	LED	840	6450 lm	56 W	24°	on/off	A++
721808.00X.1.76	L 255, B 240, H 255	LED	840	6450 lm	56 W	24°	DALI	A++
Spot, wide beam								
721809.00X	L 255, B 240, H 255	LED	830	6200 lm	56 W	34°	on/off	A++
721809.00X.76	L 255, B 240, H 255	LED	830	6200 lm	56 W	34°	DALI	A++
721809.00X.1	L 255, B 240, H 255	LED	840	6400 lm	56 W	34°	on/off	A++
721809.00X.1.76	L 255, B 240, H 255	LED	840	6400 lm	56 W	34°	DALI	A++
Wide flood								
721810.00X	L 255, B 240, H 255	LED	830	6350 lm	56 W	63°	on/off	A++
721810.00X.76	L 255, B 240, H 255	LED	830	6350 lm	56 W	63°	DALI	A++
721810.00X.1	L 255, B 240, H 255	LED	840	6500 lm	56 W	63°	on/off	A++
721810.00X.1.76	L 255, B 240, H 255	LED	840	6500 lm	56 W	63°	DALI	A++



Snap-on hood			**Price Category 12**
982166.003	L 185, B 161, H 170	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			**Price Category 12**
982163.003	D 160, L 169H 97	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			**Price Category 12**
982169.003	L 340, B 340, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



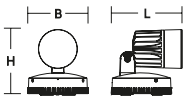
Frame attachment with colour filters with mounting attachment			**Price Category 12**
982160.008	D 160, H 58	Glass: red. Frame: stainless steel, powder coated, black	
982160.006	D 161, H 58	Glass: blue. Frame: stainless steel, powder coated, black	
982160.007	D 161, H 58	Glass: yellow. Frame: stainless steel, powder coated, black	
982160.0077	D 161, H 58	Glass: green. Frame: stainless steel, powder coated, black	



Accessory for ground installation			**Price Category 12**
982242.0031	D 240, H 40, HE 400	Aluminium root with anti-sink protection and fixing set	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Spotlights | Alu-Star Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Stainless steel fixing clips with compensation for drill hole deviations. Rotation angle can be adjusted and locked in 3,6 degree steps, tilt angle in 5 degree steps with angular scale. Thermally decoupled driver compartment, integral driver. Toughened glass cover. COB-LEDs with socket, selection of light colour 830 or 840. Rotation-symmetric reflector made of reflex-boosted **MIRO-SILVER®**. With membrane valve as a standard to prevent condensed water. Piano-key terminal up to 2 x 5 x 2,5 mm², max cable Ø 13 mm, comes with second cable gland for loop through.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight								**Price Category 12**
Spot, narrow beam								
721811.00X	L 305, B 240, H 310	LED	830	9500 lm	88 W	12°	on/off	A++
721811.00X.76	L 305, B 240, H 310	LED	830	9500 lm	88 W	12°	DALI	A++
721811.00X.1	L 305, B 240, H 310	LED	840	9800 lm	88 W	12°	on/off	A++
721811.00X.1.76	L 305, B 240, H 310	LED	840	9800 lm	88 W	12°	DALI	A++
Spot, medium beam								
721812.00X	L 305, B 240, H 310	LED	830	9700 lm	88 W	24°	on/off	A++
721812.00X.76	L 305, B 240, H 310	LED	830	9700 lm	88 W	24°	DALI	A++
721812.00X.1	L 305, B 240, H 310	LED	840	9950 lm	88 W	24°	on/off	A++
721812.00X.1.76	L 305, B 240, H 310	LED	840	9950 lm	88 W	24°	DALI	A++
Spot, wide beam								
721813.00X	L 305, B 240, H 310	LED	830	9700 lm	88 W	36°	on/off	A++
721813.00X.76	L 305, B 240, H 310	LED	830	9700 lm	88 W	36°	DALI	A++
721813.00X.1	L 305, B 240, H 310	LED	840	10000 lm	88 W	36°	on/off	A++
721813.00X.1.76	L 305, B 240, H 310	LED	840	10000 lm	88 W	36°	DALI	A++
Wide flood								
721814.00X	L 305, B 240, H 310	LED	830	9750 lm	88 W	56°	on/off	A++
721814.00X.76	L 305, B 240, H 310	LED	830	9750 lm	88 W	56°	DALI	A++
721814.00X.1	L 305, B 240, H 310	LED	840	10000 lm	88 W	56°	on/off	A++
721814.00X.1.76	L 305, B 240, H 310	LED	840	10000 lm	88 W	56°	DALI	A++

Comparison
LED vs. conventional lamps

LED 88 W ≈
1 x 150 W HIT-CE (170 W CB)

Snap-on hood			**Price Category 12**
982167.003	L 241, B 212, H 221	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			**Price Category 12**
982164.003	D 211, L 220H 100	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			**Price Category 12**
982170.003	L 438, B 438, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Frame attachment with colour filters with mounting attachment			**Price Category 12**
982161.006	D 211, H 58	Glass: blue. Frame: stainless steel, powder coated, black	
982161.007	D 211, H 58	Glass: yellow. Frame: stainless steel, powder coated, black	
982161.0077	D 211, H 58	Glass: green. Frame: stainless steel, powder coated, black	
982161.008	D 211, H 58	Glass: red. Frame: stainless steel, powder coated, black	



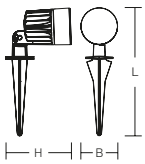
Accessory for ground installation			**Price Category 12**
982242.0031	D 240, H 40, HE 400	Aluminium root with anti-sink protection and fixing set	







Garden spotlights | Alu-Star Mini



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, powder-coated. Peg made of fiber reinforced plastic. Tilt angle can be adjusted and locked in 5 degree steps featuring angular scale. Toughened glass cover. LED with integral driver. Rotation-symmetric reflector made of reflex-boosted **MIRO-SILVER**®. With membrane valve as a standard to prevent condensed water. With power cord and Schuko plug.

Available colour: 31 = anthracite metallic

Comparison
LED vs. conventional lamps

LED 20 W ≈
1 x 35 W HIT (45 W KVG)
1 x 200 W QT32 (200 W)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Garden spotlights								**Price Category 12**
Spot, medium beam								
721806.0031	L 400, B 115, H 205	LED	830	1550 lm	20 W	20°	on/off	A+
721806.0031.1	L 400, B 115, H 205	LED	840	1600 lm	20 W	20°	on/off	A+
Spot, wide beam								
721815.0031	L 400, B 115, H 205	LED	830	1700 lm	20 W	36°	on/off	A+
721815.0031.1	L 400, B 115, H 205	LED	840	1750 lm	20 W	36°	on/off	A+

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.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Snap-on hood			Price Category 12
982165.003	L 140, B 121, H 130	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			Price Category 12
982162.003	D 120, L 129, H 85	Can be rotated 360 degrees stainless steel, powder coated, black	

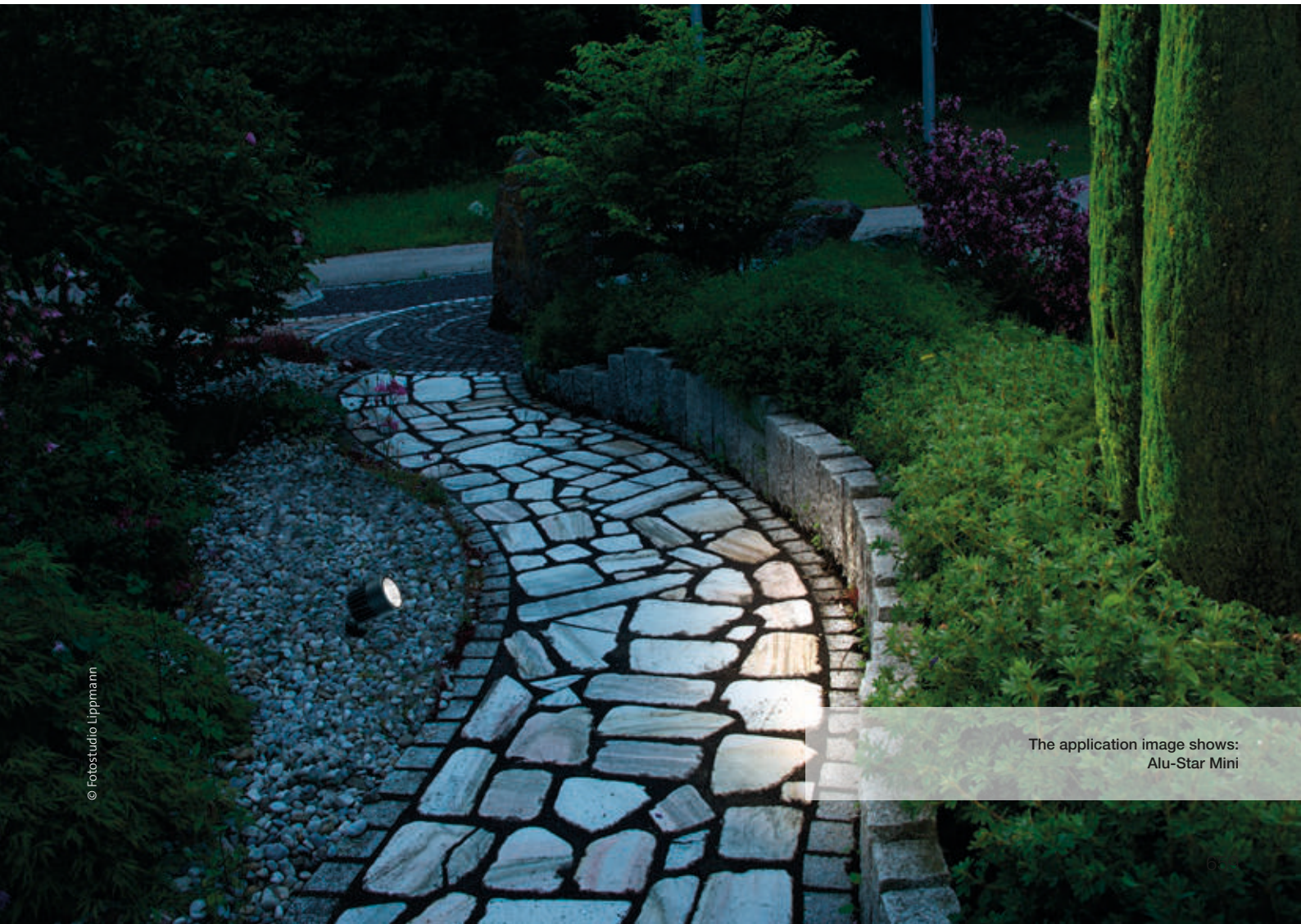


Barn door shutter with mounting attachment			Price Category 12
982168.003	L 266, B 266, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Frame attachment with colour filters with mounting attachment			Price Category 12
982159.006	D 121, H 58	Glass: blue. Frame: stainless steel, powder coated, black	
982159.007	D 121, H 58	Glass: yellow. Frame: stainless steel, powder coated, black	
982159.0077	D 121, H 58	Glass: green. Frame: stainless steel, powder coated, black	
982159.008	D 121, H 58	Glass: red. Frame: stainless steel, powder coated, black	





© Fotostudio Lippmann

The application image shows:
Alu-Star Mini



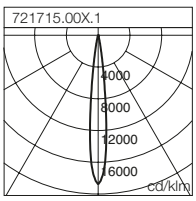
LIGHTSTREAM® LED MINI

Spotlights, Garden spotlights

- Made in Germany
- Choice of three different light distributions: Narrow Spot, Medium Spot and Flood
- Fixed installation or mobile types with 5 m power cord and plug
- Peg available as accessory
- Emergency lighting version for central battery feed available
- Second cable inlet for loop through
- COB-LEDs with socket for change on site, selection of two light colours 830 or 840
- LED rated life 50,000 h (L80, B10)
- Mounting accessories available for pole and wall mounting
- Suitable for use in the food and drink industry

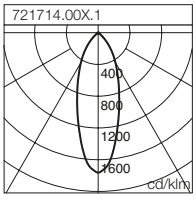
721715.00X.1

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1,0	0,21	26104
2,0	0,41	6526
3,0	0,62	2900
4,0	0,83	1632
5,0	1,03	1044



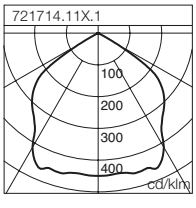
721714.00X.1

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1,0	0,63	3178
2,0	1,26	795
3,0	1,89	353
4,0	2,52	199
5,0	3,15	127



721714.11X.1

h [m]	⌀ [m]	E [lx]
1,0	2,66	826
2,0	5,33	207
3,0	7,99	92
4,0	10,66	52
5,0	13,32	33

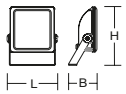




Further luminaires of this series, see:
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | Lightstream LED Mini





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Toughened glass cover. LED module with highly efficient narrow beam optics of 9 discrete refractors. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Second cable gland for loop through available as accessory.

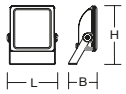
Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Projector for direct mains connection								**Price Category 12**
Spot, Rotationally symmetric narrow beam light distribution								
721715.00X	L 194, B 109, H 226	LED	830	1500 lm	31 W	12°	on/off	A
721715.00X.1	L 194, B 109, H 226	LED	840	1750 lm	31 W	12°	on/off	A
Spare glass								**Price Category 12**
981933.01X	L 175, B 170, H 13							

Comparison LED vs. conventional lamps

LED 31 W ≈
1 x 150 W QT-DE (150 W)

Spotlights | Lightstream LED Mini





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Ceramic coated toughened glass. COB LED with socket for easy replacement. Reflector made of high purity aluminium, glossy brightened and anodised. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Second cable gland for loop through available as accessory.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able		EEC
Projector for direct mains connection									**Price Category 12**
Spot, Rotationally symmetric medium beam light distribution									
721714.00X	L 194, B 109, H 226	LED	830	2150 lm	23 W	32°	on/off		A++
721714.00X.1	L 194, B 109, H 226	LED	840	2200 lm	23 W	32°	on/off		A++
721714.00X.76	L 194, B 109, H 226	LED	830	2700 lm	30 W	35°	DALI		A++
721714.00X.1.76	L 194, B 109, H 226	LED	840	2800 lm	30 W	35°	DALI		A++
Flood, Rotationally symmetric wide beam light distribution									
721714.11X	L 194, B 109, H 226	LED	830	2200 lm	23 W	106°	on/off	✓	A++
721714.11X.1	L 194, B 109, H 226	LED	840	2250 lm	23 W	106°	on/off	✓	A++
721714.11X.76	L 194, B 109, H 226	LED	830	2750 lm	30 W	101°	DALI		A++
721714.11X.1.76	L 194, B 109, H 226	LED	840	2850 lm	30 W	101°	DALI		A++
Spare glass									**Price Category 12**
981933.00X	L 175, B 170, H 13								
Installation accessories									**Price Category 11**
982367.009		Cable gland M16x1,5							

Comparison LED vs. conventional lamps

LED 23 W ≈
1 x 35 W HIT (45 W CB)
1 x 200 W QT-DE (200 W)

LED 30 W ≈
1 x 50 W HIT (60 W CB)



Accessories

Wall arm for Lightstream LED for wall mounting. Made of stainless steel, blasted or powder coated finish.
Option of top or lateral mounting at frontal bracket. Hidden cabling inside tubular profile with additional inlet at wall mounting plate.

Wall extension			**Price Category 12**
982058.000	L 500, B 180, H 180	Overall lenght 500 mm, uncoated	
982058.0031	L 500, B 180, H 180	Overall lenght 500 mm, anthracite metallic	
982086.000	L 1000, B 180, H 180	Overall lenght 1000 mm, uncoated	
982086.0031	L 1000, B 180, H 180	Overall lenght 1000 mm, anthracite metallic	



Accessories

Pole attachment for Lightstream LED for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated.
Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.

Pole tops			**Price Category 12**
Pole top fixings, single			
982047.000	L 250, B 95, H 153	for spigot 60 mm, uncoated	
982047.0031	L 250, B 95, H 153	for spigot 60 mm, anthracite metallic	
982047.004	L 250, B 95, H 153	for spigot 60 mm, silver metallic	
982048.000	L 250, B 95, H 153	for spigot 76 mm, uncoated	
982048.0031	L 250, B 95, H 153	for spigot 76 mm, anthracite metallic	
982048.004	L 250, B 95, H 153	for spigot 76 mm, silver metallic	
Pole top fixings opposite mounting			
982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	
982049.0031	L 250, B 114, H 153	for spigot 60 mm, anthracite metallic	
982049.004	L 250, B 114, H 153	for spigot 60 mm, silver metallic	
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	
982050.0031	L 250, B 114, H 153	for spigot 76 mm, anthracite metallic	
982050.004	L 250, B 114, H 153	for spigot 76 mm, silver metallic	



Accessories

Mounting bracket for Lightstream LED for lateral attachment along the pole. Stainless steel bracket with galvanised srews.
Smooth span width for different mounting heights.

Powder coating on request.

Pole clip			**Price Category 12**
982090.000	L 178, B 174, H 38	for pole diameter 95 - 113 mm	
982091.000	L 178, B 194, H 38	for pole diameter 114 - 132 mm	



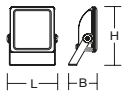
Accessories

Adapter plate set for mounting from several Lightstream spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**

Adapter set for pole attachments			**Price Category 11**
982524.0031	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), anthracite metallic	
982524.004	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), silver metallic	

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.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Garden spotlights | Lightstream LED Mini, portable





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Toughened glass cover. LED module with highly efficient narrow beam optics of 9 discrete refractors. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. With power cord and Schuko plug, IP 54; (luminaire housing: IP 65).

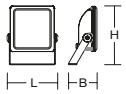
Available colours (X): 31 = anthracite metallic, 4 = silver metallic

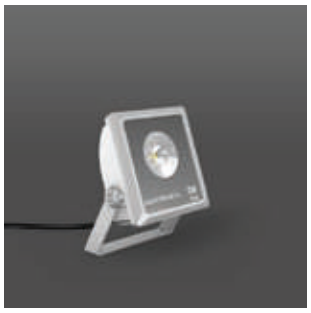
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight, with cable and Schuko plug								**Price Category 12**
Spot, Rotationally symmetric narrow beam light distribution								
721723.00X	L 194, B 109, H 226	LED	830	1500 lm	31 W	12°	on/off	A
721723.00X.1	L 194, B 109, H 226	LED	840	1750 lm	31 W	12°	on/off	A
Earth spike kit								**Price Category 12**
981962.003	D 86, L 80, B 80, H 246							
Spare glass								**Price Category 12**
981933.01X	L 175, B 170, H 13							

Comparison
LED vs. conventional lamps

LED 31 W ≈
1 x 150 W QT-DE (150 W)

Garden spotlights | Lightstream LED Mini, portable





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Ceramic coated toughened glass. COB LED with socket for easy replacement. Reflector made of high purity aluminium, glossy brightened and anodised. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. With power cord and Schuko plug, IP 54; (luminaire housing: IP 65).

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight, with cable and Schuko plug								**Price Category 12**
Spot, Rotationally symmetric medium beam light distribution								
721721.00X	L 194, B 109, H 226	LED	830	2150 lm	23 W	32°	on/off	A++
721721.00X.1	L 194, B 109, H 226	LED	840	2200 lm	23 W	32°	on/off	A++
Flood, Rotationally symmetric wide beam light distribution								
721721.11X	L 194, B 109, H 226	LED	830	2200 lm	23 W	106°	on/off	A++
721721.11X.1	L 194, B 109, H 226	LED	840	2250 lm	23 W	106°	on/off	A++
Earth spike kit								**Price Category 12**
981962.003	D 86, L 80, B 80, H 246							
Spare glass								**Price Category 12**
981933.00X	L 175, B 170, H 13							

Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 35 W HIT (45 W CB)
1 x 200 W QT-DE (200 W)



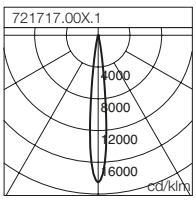
LIGHTSTREAM® LED MIDI

Spotlights

- Made in Germany
- Choice of three different light distributions: Narrow Spot, Medium Spot and Flood
- Fixed installation or mobile types with 5 m power cord and plug
- Emergency lighting version for central battery feed available
- Second cable inlet for loop through
- COB-LEDs with socket for change on site, selection of two light colours 830 or 840
- LED rated life 50,000 h (L80, B10)
- Mounting accessories available for pole and wall mounting
- Suitable for use in the food and drink industry

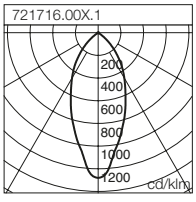
721717.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,21	46834
2,0	0,42	11709
3,0	0,63	5204
4,0	0,84	2927
5,0	1,05	1873



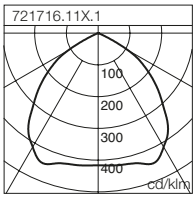
721716.00X.1

h [m]	⌀ [m]	E [lx]
1,0	0,82	4401
2,0	1,63	1100
3,0	2,45	489
4,0	3,26	275
5,0	4,08	176



721716.11X.1

h [m]	⌀ [m]	E [lx]
1,0	2,39	1431
2,0	4,78	358
3,0	7,18	159
4,0	9,57	89
5,0	11,96	57

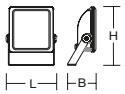


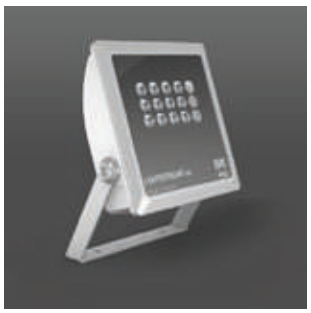


Further luminaires of this series, see:
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | Lightstream LED Midi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Toughened glass cover. LED assembly with highly efficient narrow beam optics of 15 discrete refractors. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Second cable gland for loop through available as accessory.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

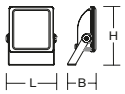
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Projector for direct mains connection								**Price Category 12**
Spot, Rotationally symmetric narrow beam light distribution								
721717.00X	L 267, B 142, H 336	LED	830	2900 lm	51 W	12°	on/off	A
721717.00X.76	L 267, B 142, H 336	LED	830	2900 lm	51 W	12°	DALI	A
721717.00X.1	L 267, B 142, H 336	LED	840	3150 lm	51 W	12°	on/off	A
721717.00X.1.76	L 267, B 142, H 336	LED	840	3150 lm	51 W	12°	DALI	A

Spare glass		Price Category 12
981934.01X	L 255, B 240, H 13	

Comparison LED vs. conventional lamps

LED 51 W ≈
1 x 300 W QT-DE (300 W)

Spotlights | Lightstream LED Midi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Ceramic coated toughened glass. COB LED with socket for easy replacement. Reflector made of high purity aluminium, glossy brightened and anodised. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Second cable gland for loop through available as accessory.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able		EEC
Projector for direct mains connection									**Price Category 12**
Spot, Rotationally symmetric medium beam light distribution									
721716.00X	L 267, B 142, H 336	LED	830	4150 lm	37 W	44°	on/off		A++
721716.00X.1	L 267, B 142, H 336	LED	840	4250 lm	37 W	44°	on/off		A++
721716.00X.76	L 267, B 142, H 336	LED	830	6050 lm	56 W	44°	DALI		A++
721716.00X.1.76	L 267, B 142, H 336	LED	840	6200 lm	56 W	44°	DALI		A++
Flood, Rotationally symmetric wide beam light distribution									
721716.11X	L 267, B 142, H 336	LED	830	4150 lm	37 W	98°	on/off	✓	A++
721716.11X.1	L 267, B 142, H 336	LED	840	4250 lm	37 W	98°	on/off	✓	A++
721716.11X.76	L 267, B 142, H 336	LED	830	5850 lm	56 W	98°	DALI		A++
721716.11X.1.76	L 267, B 142, H 336	LED	840	6050 lm	56 W	98°	DALI		A++

Spare glass		Price Category 12
981934.00X	L 255, B 240, H 13	

Installation accessories		Price Category 12
982060.004	Cable gland M20x1,5 SW 24	

Comparison LED vs. conventional lamps

LED 37 W ≈
1 x 70 W HIT (84 W CB)
1 x 300 W QT-DE (300 W)

LED 56 W ≈
1 x 100 W HIT-CE (115 W CB)
1 x 500 W QT-DE (500 W)



Accessories

Wall arm for Lightstream LED for wall mounting. Made of stainless steel, blasted or powder coated finish.
Option of top or lateral mounting at frontal bracket. Hidden cabling inside tubular profile with additional inlet at wall mounting plate.

Wall extension			**Price Category 12**
982058.000	L 500, B 180, H 180	Overall lenght 500 mm, uncoated	
982058.0031	L 500, B 180, H 180	Overall lenght 500 mm, anthracite metallic	
982086.000	L 1000, B 180, H 180	Overall lenght 1000 mm, uncoated	
982086.0031	L 1000, B 180, H 180	Overall lenght 1000 mm, anthracite metallic	



Accessories

Pole attachment for Lightstream LED for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated.
Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.

Pole tops			**Price Category 12**
Pole top fixings, single			
982047.000	L 250, B 95, H 153	for spigot 60 mm, uncoated	
982047.0031	L 250, B 95, H 153	for spigot 60 mm, anthracite metallic	
982047.004	L 250, B 95, H 153	for spigot 60 mm, silver metallic	
982048.000	L 250, B 95, H 153	for spigot 76 mm, uncoated	
982048.0031	L 250, B 95, H 153	for spigot 76 mm, anthracite metallic	
982048.004	L 250, B 95, H 153	for spigot 76 mm, silver metallic	
Pole top fixings opposite mounting			
982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	
982049.0031	L 250, B 114, H 153	for spigot 60 mm, anthracite metallic	
982049.004	L 250, B 114, H 153	for spigot 60 mm, silver metallic	
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	
982050.0031	L 250, B 114, H 153	for spigot 76 mm, anthracite metallic	
982050.004	L 250, B 114, H 153	for spigot 76 mm, silver metallic	



Accessories

Mounting bracket for Lightstream LED for lateral attachment along the pole. Stainless steel bracket with galvanised srews.
Smooth span width for different mounting heights.

Powder coating on request.

Pole clip			**Price Category 12**
982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm	
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm	



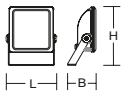
Accessories

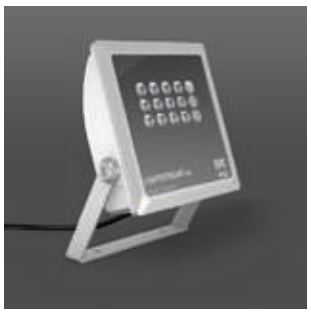
Adapter plate set for mounting from several Lightstream spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**

Adapter set for pole attachments			**Price Category 11**
982524.0031	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), anthracite metallic	
982524.004	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), silver metallic	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Spotlights | Lightstream LED Midi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Toughened glass cover. LED assembly with highly efficient narrow beam optics of 15 discrete refractors. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. With power cord and Schuko plug, IP 54; (luminaire housing: IP 65).

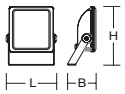
Available colours (X): 31 = anthracite metallic, 4 = silver metallic

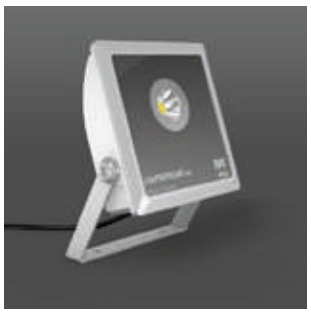
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight, with cable and Schuko plug								**Price Category 12**
Spot, Rotationally symmetric narrow beam light distribution								
721724.00X	L 267, B 142, H 336	LED	830	2900 lm	51 W	12°	on/off	A
721724.00X.1	L 267, B 142, H 336	LED	840	3150 lm	51 W	12°	on/off	A
Spare glass								**Price Category 12**
981934.01X	L 255, B 240, H 13							

Comparison
LED vs. conventional lamps

LED 51 W ≈
1 x 300 W QT-DE (300 W)

Spotlights | Lightstream LED Midi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. COB LED with socket for easy replacement. Reflector made of high purity aluminium, glossy brightened and anodised. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. With power cord and Schuko plug, IP 54; (luminaire housing: IP 65).

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight, with cable and Schuko plug								**Price Category 12**
Spot, Rotationally symmetric medium beam light distribution								
721722.00X	L 267, B 142, H 336	LED	830	4150 lm	37 W	44°	on/off	A++
721722.00X.1	L 267, B 142, H 336	LED	840	4250 lm	37 W	44°	on/off	A++
Flood, Rotationally symmetric wide beam light distribution								
721722.11X	L 267, B 142, H 336	LED	830	4150 lm	37 W	98°	on/off	A++
721722.11X.1	L 267, B 142, H 336	LED	840	4250 lm	37 W	98°	on/off	A++
Spare glass								**Price Category 12**
981934.00X	L 255, B 240, H 13							

Comparison
LED vs. conventional lamps

LED 37 W ≈
1 x 70 W HIT (84 W CB)
1 x 500 W QT-DE (500 W)



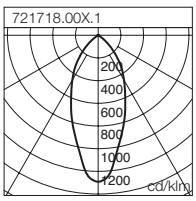
LIGHTSTREAM® LED MAXI

Spotlights

- Made in Germany
- LED floodlight for accent and area lighting
- Rotation-symmetric optics made of spun, glossy brightened and anodised high purity aluminium
- Rotation-symmetric medium-wide and wide beam distribution
- Housing made of corrosion-resistant pressure die-cast aluminium for outdoor application, stainless steel bracket, powder coated
- Tilt angle can be precisely adjusted and locked in 6° degrees
- Thermally decoupled driver compartment
- Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide
- COB-LEDs with socket for change on site, selection of two light colours 830 or 840
- With Gore™ Protective Vents diaphragm valve for reduction of condensation
- Suitable for use in the food and drink industry

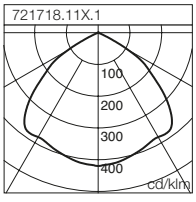
721718.00X.1

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5,0	3,98	1011



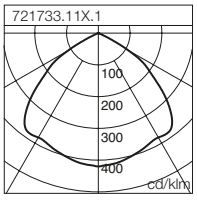
721718.11X.1

h [m]	⌀ [m]	E [lx]
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2,0	5,19	2006
3,0	7,79	891
4,0	10,39	501
5,0	12,99	321



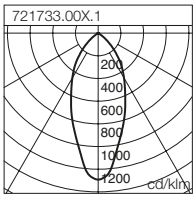
721733.11X.1

h [m]	⌀ [m]	E [lx]
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2,0	5,19	1007
3,0	7,79	448
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5,0	12,99	161



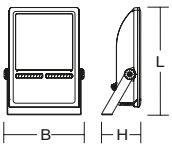
721733.00X.1

h [m]	⌀ [m]	E [lx]
3,0	2,39	1410
6,0	4,78	352
9,0	7,16	157
12,0	9,55	88
15,0	11,94	56



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | Lightstream LED Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, bracket stainless steel, powder-coated. Tilt angle can be adjusted and locked in 6° steps with precise angular scale. Thermally decoupled driver compartment. Toughened glass cover. COB LED with socket for easy replacement. Reflector made of high purity aluminium, glossy brightened and anodised. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide. Piano-key terminal up to 5 x 2,5 mm^2, max cable Ø 13 mm. Windage area A_w = 0.155 m^2.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Area floodlight								**Price Category 12**
Rotationally symmetric medium beam light distribution								
721733.00X	L 501, B 374, H 182	LED	830	11900 lm	112 W	43°	on/off	A++
721733.00X.76	L 501, B 374, H 182	LED	830	11900 lm	112 W	43°	DALI	A++
721733.00X.1	L 501, B 374, H 182	LED	840	12300 lm	112 W	43°	on/off	A++
721733.00X.1.76	L 501, B 374, H 182	LED	840	12300 lm	112 W	43°	DALI	A++
721718.00X	L 501, B 374, H 182	LED	830	23800 lm	225 W	43°	on/off	A++
721718.00X.76	L 501, B 374, H 182	LED	830	23800 lm	225 W	43°	DALI	A++
721718.00X.1	L 501, B 374, H 182	LED	840	24500 lm	225 W	43°	on/off	A++
721718.00X.1.76	L 501, B 374, H 182	LED	840	24500 lm	225 W	43°	DALI	A++
Rotationally symmetric wide beam light distribution								
721733.11X	L 501, B 374, H 182	LED	830	11600 lm	112 W	102°	on/off	A++
721733.11X.76	L 501, B 374, H 182	LED	830	11600 lm	112 W	102°	DALI	A++
721733.11X.1	L 501, B 374, H 182	LED	840	11900 lm	112 W	102°	on/off	A++
721733.11X.1.76	L 501, B 374, H 182	LED	840	11900 lm	112 W	102°	DALI	A++
721718.11X	L 501, B 374, H 182	LED	830	23200 lm	225 W	102°	on/off	A++
721718.11X.76	L 501, B 374, H 182	LED	830	23200 lm	225 W	102°	DALI	A++
721718.11X.1	L 501, B 374, H 182	LED	840	23900 lm	225 W	102°	on/off	A++
721718.11X.1.76	L 501, B 374, H 182	LED	840	23900 lm	225 W	102°	DALI	A++

Spare glass		**Price Category 12**
981984.00X	L 465, B 325, H 32	

Installation accessories		**Price Category 12**
982060.004	Cable gland M20x1,5 SW 24	

Comparison
LED vs. conventional lamps

LED 112 W ≈
1 x 150 W HIT (160 W CB)
1 x 750 W QT-DE (750 W)

LED 225 W ≈
1 x 400 W HIT (444 W CB)
1 x 1500 W QT-DE (1500 W)



Accessories

Pole attachment for Lightstream LED for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated.
Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.

Pole tops			Price Category 12
Pole top fixings, single			
982045.000	L 346, B 97, H 154	for spigot 60 mm, uncoated	
982045.0031	L 346, B 97, H 154	for spigot 60 mm, anthracite metallic	
982045.004	L 346, B 97, H 154	for spigot 60 mm, silver metallic	
982002.000	L 346, B 97, H 154	for spigot 76 mm, uncoated	
982002.0031	L 346, B 97, H 154	for spigot 76 mm, anthracite metallic	
982002.004	L 346, B 97, H 154	for spigot 76 mm, silver metallic	
982046.000	L 346, B 110, H 204	for spigot 89 mm, uncoated	
982046.0031	L 346, B 110, H 204	for spigot 89 mm, anthracite metallic	
982046.004	L 346, B 110, H 204	for spigot 89 mm, silver metallic	
Pole top fixings opposite mounting			
982003.000	L 346, B 112, H 154	for spigot 76 mm, uncoated	
982003.0031	L 346, B 112, H 154	for spigot 76 mm, anthracite metallic	
982003.004	L 346, B 112, H 154	for spigot 76 mm, silver metallic	
982004.000	L 346, B 136, H 204	for spigot 89 mm, uncoated	
982004.0031	L 346, B 136, H 204	for spigot 89 mm, anthracite metallic	
982004.004	L 346, B 136, H 204	for spigot 89 mm, silver metallic	
982005.000	L 346, B 136, H 204	for spigot 108 mm, uncoated	
982005.0031	L 346, B 136, H 204	for spigot 108 mm, anthracite metallic	
982005.004	L 346, B 136, H 204	for spigot 108 mm, silver metallic	



Accessories

Mounting bracket for Lightstream LED for lateral attachment along the pole. Stainless steel bracket with galvanised srews.
Smooth span width for different mounting heights.

Pole clip			Price Category 12
982478.0031	L 346, B 235, H 90	for pole diameter 95 - 140 mm, anthracite metallic	
982478.004	L 346, B 235, H 90	for pole diameter 95 - 140 mm, silver metallic	



Accessories

Adapter plate set for mounting from several Lightstream spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**

Adapter set for pole attachments			Price Category 12
982525.0031	L 460, B 410, H 55	Adapter set for 4-fold configuration (4 x 90°), anthracite metallic	
982525.004	L 460, B 410, H 55	Adapter set for 4-fold configuration (4 x 90°), silver metallic	
982401.0031	L 525, B 381, H 87	Adapter set for 3-fold configuration (3 x 120°), anthracite metallic	
982401.004	L 525, B 381, H 87	Adapter set for 3-fold configuration (3 x 120°), silver metallic	



Exchange Brackets for alternative mounting method			Price Category 12
982052.00X	L 346, B 248, H 47	Bracket for Maxi, symmetrical for pole top mounting	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Moritz Hiltebrand

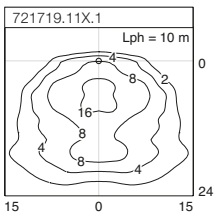
The application image shows:
Lightstream LED

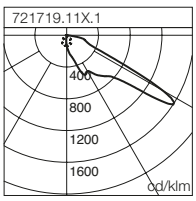


LIGHTSTREAM® LED MINI

Spotlights

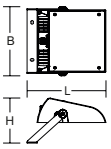
- Made in Germany
- Housing made of corrosion-resistant pressure die-cast aluminium for outdoor application, stainless steel bracket, powder coated
- Asymmetrical reflector of **MIRO-SILVER®** with reflex-boosted coating
- Asymmetrical flood light distribution – **No backwards light trespass**
- Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide
- COB-LEDs with socket for change on site, selection of two light colours 830 or 840
- The comprehensive installation accessories for mounting on the pole or wall are matched exactly to the Lightstream family





Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | Lightstream LED Mini





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK04

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, bracket stainless steel, powder-coated. Tilt angle can be adjusted with angular scale. Toughened glass cover. COB-LEDs with socket, selection of light colour 830 or 840. Asymmetrical area flood reflector of **MIRO-SILVER®** with reflex-boosted coating. With membrane valve as a standard to prevent condensed water. Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide. Piano-key terminal up to 5 x 2,5 mm^2, max cable Ø 13 mm. Windage area A_w = 0,023 m^2.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Area floodlight							**Price Category 12**
Asymmetrical light distribution							
721719.11X	L 315, B 276, H 180	LED	830	6050 lm	54 W	on/off	A++
721719.11X.76	L 315, B 276, H 180	LED	830	6050 lm	54 W	DALI	A++
721719.11X.1	L 315, B 276, H 180	LED	840	6200 lm	54 W	on/off	A++
721719.11X.1.76	L 315, B 276, H 180	LED	840	6200 lm	54 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 54 W ≈
1 x 100 W HIT-CE (115 W CB)

Spare glass			Price Category 11
982407.003	L 220, B 241, H 4		

Accessories
Wall arm for Lightstream LED for wall mounting. Made of stainless steel, blasted or powder coated finish.
Option of top or lateral mounting at frontal bracket. Hidden cabling inside tubular profile with additional inlet at wall mounting plate.



Wall extension			Price Category 12
982058.000	L 500, B 180, H 180	Overall lenght 500 mm, uncoated	
982058.0031	L 500, B 180, H 180	Overall lenght 500 mm, anthracite metallic	
982086.000	L 1000, B 180, H 180	Overall lenght 1000 mm, uncoated	
982086.0031	L 1000, B 180, H 180	Overall lenght 1000 mm, anthracite metallic	

Accessories
Pole attachment for Lightstream LED for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated.
Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.



Pole tops			Price Category 12
Pole top fixings, single			
982047.000	L 250, B 95, H 153	for spigot 60 mm, uncoated	
982047.0031	L 250, B 95, H 153	for spigot 60 mm, anthracite metallic	
982047.004	L 250, B 95, H 153	for spigot 60 mm, silver metallic	
982048.000	L 250, B 95, H 153	for spigot 76 mm, uncoated	
982048.0031	L 250, B 95, H 153	for spigot 76 mm, anthracite metallic	
982048.004	L 250, B 95, H 153	for spigot 76 mm, silver metallic	
Pole top fixings opposite mounting			
982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	
982049.0031	L 250, B 114, H 153	for spigot 60 mm, anthracite metallic	
982049.004	L 250, B 114, H 153	for spigot 60 mm, silver metallic	
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	
982050.0031	L 250, B 114, H 153	for spigot 76 mm, anthracite metallic	
982050.004	L 250, B 114, H 153	for spigot 76 mm, silver metallic	

Accessories
Mounting bracket for Lightstream LED for lateral attachment along the pole. Stainless steel bracket with galvanised srews.
Smooth span width for different mounting heights.

Powder coating on request.



Pole clip			Price Category 12
982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm	
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm	

Accessories
Adapter plate set for mounting from several Lightstream spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**



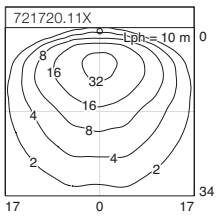
Adapter set for pole attachments			Price Category 11
982524.0031	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), anthracite metallic	
982524.004	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), silver metallic	

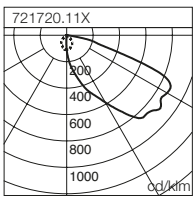


LIGHTSTREAM® LED MIDI

Spotlights

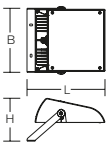
- Made in Germany
- Housing made of corrosion-resistant pressure die-cast aluminium for outdoor application, stainless steel bracket, powder coated
- Heat sink optimised for long term LED operation
- Asymmetrical reflector of **MIRO-SILVER®** with reflex-boosted coating
- Asymmetrical flood light distribution – **No backwards light trespass**
- Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide
- COB-LEDs with socket for change on site, selection of two light colours 830 or 840
- Wide range of pole mounting accessories available
- Emergency lighting version for central battery feed available
- Suitable for use in the food and drink industry





Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | Lightstream LED Midi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, bracket stainless steel, powder-coated. Tilt angle can be adjusted with angular scale. Toughened glass cover. COB-LEDs with socket, selection of light colour 830 or 840. Asymmetrical area flood reflector of **MIRO-SILVER®** with reflex-boosted coating. With membrane valve as a standard to prevent condensed water. Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide. Piano-key terminal up to 5 x 2,5 mm^2, max cable Ø 13 mm. Windage area A_w = 0,036 m^2.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Area floodlight							**Price Category 12**
Asymmetrical light distribution							
721720.11X	L 382, B 330, H 214	LED	830	12200 lm	114 W	on/off	A++
721720.11X.76	L 382, B 330, H 215	LED	830	12200 lm	114 W	DALI	A++
721720.11X.1 .Q	L 382, B 330, H 214	LED	840	12400 lm	114 W	on/off	A++
721720.11X.1.76	L 382, B 330, H 215	LED	840	12400 lm	114 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 114 W ≈
1 x 150 W HIT (160 W CB)
1 x 750 W QT-DE (750 W)

Spare glass			
982275.003	L 272, B 294, H 4		**Price Category 12**

Accessories
Pole attachment for Lightstream LED for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated.
Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.



Pole tops			**Price Category 12**
Pole top fixings, single			
982047.000	L 250, B 95, H 153	for spigot 60 mm, uncoated	
982047.0031	L 250, B 95, H 153	for spigot 60 mm, anthracite metallic	
982047.004	L 250, B 95, H 153	for spigot 60 mm, silver metallic	
982048.000	L 250, B 95, H 153	for spigot 76 mm, uncoated	
982048.0031	L 250, B 95, H 153	for spigot 76 mm, anthracite metallic	
982048.004	L 250, B 95, H 153	for spigot 76 mm, silver metallic	
Pole top fixings opposite mounting			
982049.000	L 250, B 114, H 153	for spigot 60 mm, uncoated	
982049.0031	L 250, B 114, H 153	for spigot 60 mm, anthracite metallic	
982049.004	L 250, B 114, H 153	for spigot 60 mm, silver metallic	
982050.000	L 250, B 114, H 153	for spigot 76 mm, uncoated	
982050.0031	L 250, B 114, H 153	for spigot 76 mm, anthracite metallic	
982050.004	L 250, B 114, H 153	for spigot 76 mm, silver metallic	

Accessories
Mounting bracket for Lightstream LED for lateral attachment along the pole. Stainless steel bracket with galvanised srews.
Smooth span width for different mounting heights.

Powder coating on request.



Pole clip			**Price Category 12**
982092.000	L 178, B 174, H 38	for pole diameter 95 - 114 mm	
982093.000	L 178, B 194, H 38	for pole diameter 115 - 135 mm	

Accessories
Adapter plate set for mounting from several Lightstream spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**



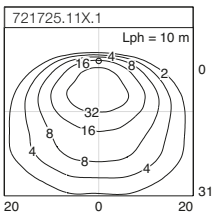
Adapter set for pole attachments			**Price Category 11**
982524.0031	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), anthracite metallic	
982524.004	L 365, B 365, H 55	Adapter set for 4-fold configuration (4 x 90°), silver metallic	

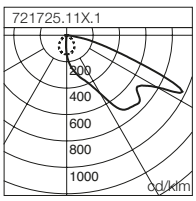


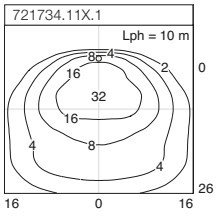
LIGHTSTREAM® LED MAXI

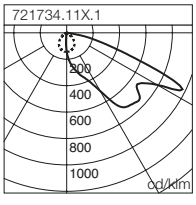
Spotlights

- Made in Germany
- Housing made of corrosion-resistant pressure die-cast aluminium for outdoor application, stainless steel bracket, powder coated
- Asymmetrical area flood optics with reflector of reflex-boosted **MIRO-SILVER®**
- Asymmetrical flood light distribution – **No backwards light trespass**
- Quick connection possible without opening the housing by screw-less plug connector on bayonet locked slide
- Tilt angle can be precisely adjusted and locked in 6° degrees
- Thermally decoupled driver compartment
- COB-LEDs with socket for change on site, selection of two light colours 830 or 840
- With Gore™ Protective Vents diaphragm valve for reduction of condensation
- Suitable for use in the food and drink industry

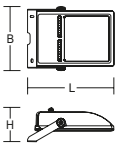








Spotlights | Lightstream LED Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

Housing of corrosion-resistant pressure die-cast aluminium for outdoor use, bracket stainless steel, powder-coated. Tilt angle can be adjusted and locked in 6° steps with precise angular scale. Thermally decoupled driver compartment. Toughened glass cover. COB LED with socket for easy replacement. Asymmetrical reflector made of **MIRO-SILVER®**. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Piano-key terminal up to 5 x 2,5 mm², max cable Ø 13 mm. Wind-exposed area A_w = 0.052 m².

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Area floodlight							**Price Category 12**
Asymmetrical light distribution							
721734.11X	L 509, B 374, H 174	LED	830	12600 lm	112 W	on/off	A++
721734.11X.76	L 509, B 374, H 174	LED	830	12600 lm	112 W	DALI	A++
721734.11X.1	L 509, B 374, H 174	LED	840	13100 lm	112 W	on/off	A++
721734.11X.1.76	L 509, B 374, H 174	LED	840	13100 lm	112 W	DALI	A++
721725.11X	L 509, B 374, H 174	LED	830	25100 lm	225 W	on/off	A++
721725.11X.76	L 509, B 374, H 174	LED	830	25100 lm	225 W	DALI	A++
721725.11X.1 .Q	L 509, B 374, H 174	LED	840	26300 lm	225 W	on/off	A++
721725.11X.1.76	L 509, B 374, H 174	LED	840	26300 lm	225 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 112 W ≈
1 x 150 W HIT-CE (170 W CB)
1 x 750 W QT-DE (750 W)

LED 225 W ≈
1 x 250 W HIT-CE (280 W CB)
1 x 400 W HIT (444 W CB)

Spare glass			Price Category 12
981984.00X	L 465, B 325, H 32		

Accessories
Pole attachment for Lightstream LED for installation on the pole top. Steel, hot-dip galvanised, unpainted or powder coated.
Set of stainless steel fixing screws included. Cable gland into the pole as strain-relief and protection against rainwater.



Pole tops			Price Category 12
Pole top fixings, single			
982045.000	L 346, B 97, H 154	for spigot 60 mm, uncoated	
982045.0031	L 346, B 97, H 154	for spigot 60 mm, anthracite metallic	
982045.004	L 346, B 97, H 154	for spigot 60 mm, silver metallic	
982002.000	L 346, B 97, H 154	for spigot 76 mm, uncoated	
982002.0031	L 346, B 97, H 154	for spigot 76 mm, anthracite metallic	
982002.004	L 346, B 97, H 154	for spigot 76 mm, silver metallic	
982046.000	L 346, B 110, H 204	for spigot 89 mm, uncoated	
982046.0031	L 346, B 110, H 204	for spigot 89 mm, anthracite metallic	
982046.004	L 346, B 110, H 204	for spigot 89 mm, silver metallic	
Pole top fixings opposite mounting			
982059.000	L 346, B 112, H 154	for spigot 60 mm, uncoated	
982059.0031	L 346, B 112, H 154	for spigot 60 mm, anthracite metallic	
982059.004	L 346, B 112, H 154	for spigot 60 mm, silver metallic	
982003.000	L 346, B 112, H 154	for spigot 76 mm, uncoated	
982003.0031	L 346, B 112, H 154	for spigot 76 mm, anthracite metallic	
982003.004	L 346, B 112, H 154	for spigot 76 mm, silver metallic	
982004.000	L 346, B 136, H 204	for spigot 89 mm, uncoated	
982004.0031	L 346, B 136, H 204	for spigot 89 mm, anthracite metallic	
982004.004	L 346, B 136, H 204	for spigot 89 mm, silver metallic	
982005.000	L 346, B 136, H 204	for spigot 108 mm, uncoated	
982005.0031	L 346, B 136, H 204	for spigot 108 mm, anthracite metallic	
982005.004	L 346, B 136, H 204	for spigot 108 mm, silver metallic	

Accessories
Mounting bracket for Lightstream LED for lateral attachment along the pole. Stainless steel bracket with galvanised srews.
Smooth span width for different mounting heights.



Pole clip			Price Category 12
982478.0031	L 346, B 235, H 90	for pole diameter 95 - 140 mm, anthracite metallic	
982478.004	L 346, B 235, H 90	for pole diameter 95 - 140 mm, silver metallic	

Accessories
Adapter plate set for mounting from several Lightstream spotlights on a double pole attachment. stainless steel, powder coated. With IP 66 junction box and additional fixing screws. **The double pole attachment for a matching top dimension must be ordered separately.**



Adapter set for pole attachments			Price Category 12
982525.0031	L 460, B 410, H 55	Adapter set for 4-fold configuration (4 x 90°), anthracite metallic	
982525.004	L 460, B 410, H 55	Adapter set for 4-fold configuration (4 x 90°), silver metallic	
982401.0031	L 525, B 381, H 87	Adapter set for 3-fold configuration (3 x 120°), anthracite metallic	
982401.004	L 525, B 381, H 87	Adapter set for 3-fold configuration (3 x 120°), silver metallic	
982475.0031	L 622, B 284, H 55	Adapter set for 2-fold configuration (2 x 90°), anthracite metallic	
982475.004	L 622, B 284, H 55	Adapter set for 2-fold configuration (2 x 90°), silver metallic	



Exchange Brackets for alternative mounting method			Price Category 12
982053.00X	L 346, B 152, H 210	Bracket for Maxi, asymmetrical for socket and wall mounting	



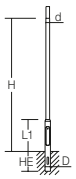
STEEL POLES

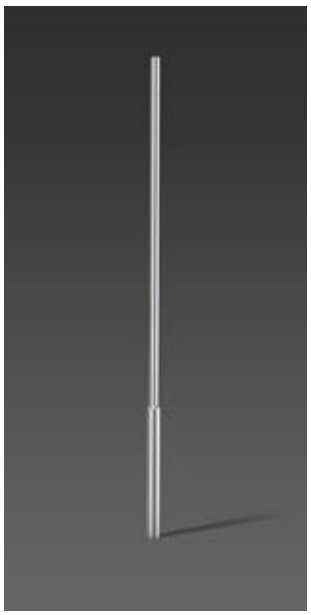
Accessories

- CE-certified steel poles, complying with EN 40, with continuous root as a standard, on request available with flange plate
- Conical poles come with stripped seam
- Precise door cut out for accurate flush fitting
- Powder-coated with RZB standard colours for optimum consistency with the luminaire paint, RAL or DB colours possible on request
- Careful smoothing of the visible area as pre-treatment for powder-coating
- Direct transport with special vehicles from the production plant to the place of delivery to avoid transport damage

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Accessories | Steel poles, spigot Ø: 76 mm





Cylindrical stepped pole made of steel according to DIN EN 40. Hot-dip galvanised in compliance with DIN EN ISO 1461. Flush pole door, 85 x 400 mm. Triangular lock, other locks on request. C-slot with two sliding nuts M6 and earthing stud M8. Cable hole 50 x 150 mm (UKK 500 mm below level).

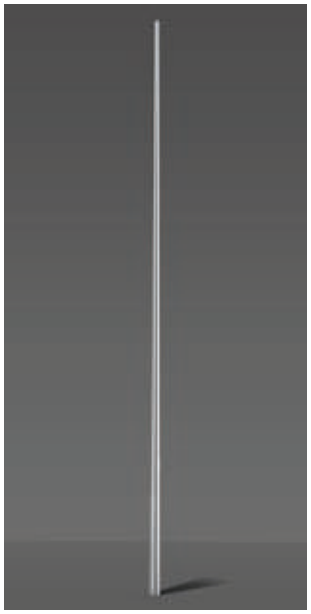
We charge additional shipping costs for small pole volumes up to 5 poles per place of delivery, independent of the order value. Please ask for exact conditions for specific orders.

Available colours (X): 0 = blank, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	
Straight light poles cylindrical, stepped with swaged joint, according to EN 40		**Price Category 12**
611891.000	D 114, H 3500, HE 600	uncoated
611891.00X	D 114, H 3500, HE 600	powder coated
611892.000	D 114, H 4000, HE 800	uncoated
611892.00X	D 114, H 4000, HE 800	powder coated
611893.000	D 114, H 4500, HE 800	uncoated
611893.00X	D 114, H 4500, HE 800	powder coated
611894.000	D 114, H 5000, HE 800	uncoated
611894.00X	D 114, H 5000, HE 800	powder coated
611895.000	D 114, H 6000, HE 1000	uncoated
611895.00X	D 114, H 6000, HE 1000	powder coated

Accessories | Steel poles, spigot Ø: 76 mm





Conical steel pole with stripped welding-seam, according to DIN EN 40. Hot-dip galvanised in compliance with DIN EN ISO 1461. Flush pole door, 85 x 400 mm. Triangular lock, other locks on request. C-slot with two sliding nuts M6 and earthing stud M8. Cable hole 50 x 150 mm (UKK 500 mm below level).

We charge additional shipping costs for small pole volumes up to 5 poles per place of delivery, independent of the order value. Please ask for exact conditions for specific orders.

Available colours (X): 0 = blank, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	
Straight light poles conical round according to EN40		**Price Category 12**
611896.000	D 134, H 3500, HE 600	uncoated
611896.00X	D 134, H 3500, HE 600	powder coated
611897.000	D 124, H 4000, HE 800	uncoated
611897.00X	D 124, H 4000, HE 800	powder coated
611898.000	D 129, H 4500, HE 800	uncoated
611898.00X	D 129, H 4500, HE 800	powder coated
611899.000	D 134, H 5000, HE 800	uncoated
611899.00X	D 134, H 5000, HE 800	powder coated
611900.000	D 146, H 6000, HE 1000	uncoated
611900.00X	D 146, H 6000, HE 1000	powder coated
611901.000	D 156, H 7000, HE 1000	uncoated
611901.00X	D 156, H 7000, HE 1000	powder coated
611902.000	D 168, H 8000, HE 1200	uncoated
611902.00X	D 168, H 8000, HE 1200	powder coated
611903.000	D 191, H 10000, HE 1500	uncoated
611903.00X	D 191, H 10000, HE 1500	powder coated

Footplate set		**Price Category 12**
982099.000	L 300, B 300, H 3	loose incl. fastening screws
982100.000	L 400, B 400, H 3	loose incl. fastening screws

Fuse box		**Price Category 12**
61199.009	L 265, B 72, H 75	Housing: plastic. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 luminaire outgoing lines.



Edge guard for cable hole		**Price Category 12**
982098.003		Edge protector for cable hole 50 x 150 mm

Shrink sleeve for earth transition area, plastic		**Price Category 12**
982566.003	D 140, L 450	for pole diameter 110 - 130 mm
982567.003	D 160, L 450	for pole diameter 125 - 150 mm
982101.003	D 170, L 450	for pole diameter 145 - 170 mm
982102.003	D 215, L 450	for pole diameter 170 - 195 mm



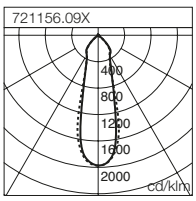
PAR16

Spotlights

- Reduced form language together with a high degree of functionality are characteristics of the PAR 16 luminaires
- The high protection class housing carries and protects standard PAR16 reflector lamps for mains voltage with GU10 base.
- The choice of three front panel versions allows these models to be adapted to all applications:
  - Grille for operation in robust conditions
  - Guard for shielding upwards when using wide beam lamps
  - Flat glass cover for narrow beam lamps for targeted accentuation

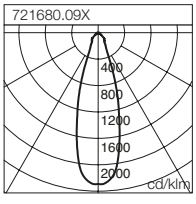
721156.09X

h [m]	⌀ [m]	E [lx]
1,0	0,53	629
2,0	1,06	157
3,0	1,59	70
4,0	2,11	39
5,0	2,64	25



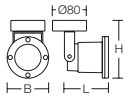
721680.09X

h [m]	⌀ [m]	E [lx]
1,0	0,53	629
2,0	1,06	157
3,0	1,59	70
4,0	2,11	39
5,0	2,64	25



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | PAR16





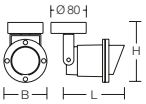
Type of Protection: **IP 55**
Protection Class: I
Impact Protection: IK08

Housing and junction box: die-cast aluminium, powder-coated.
Bracket: aluminium, powder-coated. Safety glass, clear.

Available colours (X): 2 = white, 31 = anthracite metallic

Reference number	Dimensions	Lamp	dimmable	EEC
Ceiling and wall spotlights with connection box				**Price Category 12**
721156.09X	L 100, B 95, H 140	1 x LEDPAR16 5 W	on/off	A++ - D

Spotlights | PAR16





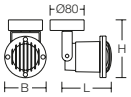
Type of Protection: **IP 55**
Protection Class: I
Impact Protection: IK08

Housing, junction box and anti-glare shield: die-cast aluminium, powder-coated.
Bracket: aluminium, powder-coated. Safety glass, clear.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	dimmable	EEC
Ceiling and wall spotlights with connection box and anti-glare shield				**Price Category 12**
721157.0931	L 125, B 95, H 140	1 x LEDPAR16 5 W	on/off	A++ - D

Spotlights | PAR16



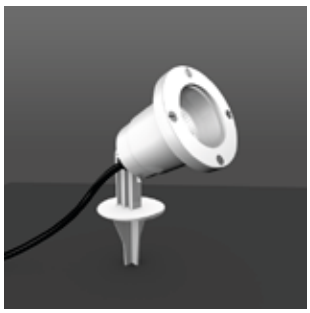


Type of Protection: **IP 55**
Protection Class: I
Impact Protection: IK08

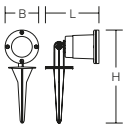
Housing, junction box and protective grille: die-cast aluminium, powder-coated.
Bracket: aluminium, powder-coated. Safety glass, clear.

Available colours (X): 2 = white, 31 = anthracite metallic

Reference number	Dimensions	Lamp	dimmable	EEC
Ceiling and wall spotlights with connection box and protective grille				**Price Category 12**
721158.09X	L 110, B 95, H 140	1 x LEDPAR16 5 W	on/off	A++ - D



Garden spotlights | PAR16, portable



Type of Protection: **IP 55**
Protection Class: I
Impact Protection: IK04

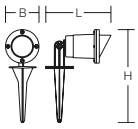
Housing: pressure die-cast aluminium, powder-coated. Fiber reinforced plastic peg.
Safety glass, clear. 3 m power cord and Schuko plug.

Available colours (X): 2 = white, 31 = anthracite metallic

Reference number	Dimensions	Lamp	dimm-able	EEC
Garden spotlight with earth spike				**Price Category 12**
721680.09X	L 157, B 98, H 275	1 x LEDPAR16 5 W	on/off	A++ - D



Garden spotlights | PAR16, portable



Type of Protection: **IP 55**
Protection Class: I
Impact Protection: IK04

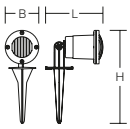
Housing and antiglare hood: die-cast aluminium, powder-coated. Fiber reinforced plastic peg.
Safety glass, clear. 3 m power cord and Schuko plug.

Available colours (X): 2 = white, 31 = anthracite metallic

Reference number	Dimensions	Lamp	dimm-able	EEC
Garden spotlight with earth spike and anti-glare shield				**Price Category 12**
721681.09X	L 191, B 98, H 275	1 x LEDPAR16 5 W	on/off	A++ - D



Garden spotlights | PAR16, portable



Type of Protection: **IP 55**
Protection Class: I
Impact Protection: IK04

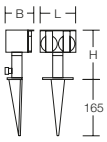
Housing and protective grill: die-cast aluminium, powder-coated. Fiber reinforced plastic peg.
Safety glass, clear. 3 m power cord and Schuko plug.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	dimm-able	EEC
Garden spotlight with earth spike and protective grille				**Price Category 12**
721682.0931	L 170, B 98, H 275	1 x LEDPAR16 5 W	on/off	A++ - D



Accessories |
Double Schuko power socket, for garden applications with earth spike



Type of Protection: **IP 43**
Protection Class: I

Plastic, black. With earth spike and 5 m power supply cable and plug.

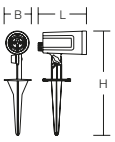
Available colour: 3 = black

Reference number	Dimensions	
Double Schuko power socket, for garden applications		**Price Category 12**
60565.003	L 105, B 70, H 315	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



Garden spotlights | Standard-Spot, portable



Type of Protection: **IP 44**
Protection Class: II
Impact Protection: IK07

Housing and peg: plastic. Vertical swivel range: 80°.
With cable 6 m mains plug included.

Available colours (X): 2 = white, 3 = black



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	α	dimm-able	EEC
Garden spotlight with earth spike							**Price Category 12**
Single projector							
721683.00X	L 145, B 68, H 307	1 x QPAR38 100 W				on/off	D
Spotlight with earth spike. Lamp included.							
721691.00X	L 195, B 120, H 350	1 x LEDPAR38 16 W	830	1400 lm	36°	on/off	A+
721690.00X	L 195, B 120, H 350	1 x TCPAR38-SE 20 W	827		100°	on/off	A

Anti-glare ring-louvre		Price Category 12
70873.00X	D 140, H 50	





The application image shows:
Laruta

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689

690

Mingata
686-691


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Alu-Star
692-695


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Gonia
696-697


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Laruta
698-699


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Lupalo
700-703


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Slopia Sky
704-709


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711

Steel poles
710-711

MINGATA

Details at a glance



Tempered safety glass (ESG)

Future-proof:

Simple LED replacement
by Zhaga standard

Housing made of corrosion resistant
pressure die-cast aluminium
(seawater resistant powder-coated)

Three diameters available for pole top installation
(42 mm and 76 mm, 60 mm with reducer adapter)

PLUG&PLAY

Plug & Play concept for simple and safe installation:
factory-fitted 8 m connecting cable means that the
luminaire does not have to be opened for installation

Longer cable possible on request



Tool-free replacement of the gear tray
with LED and ballast thanks to Hybrid Lock System



Hybrid Lock System

- Fixed maintenance position
- Quick tool-free replacement
- No corrosion due to material mix



Eccentric Lock System

- Safe locking by eccentric system
- Tool-free opening
- One-handed operation

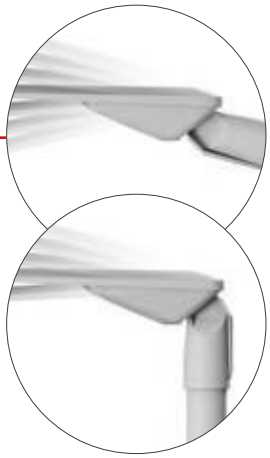


CityTouch Ready.
If required, the luminaire can be equipped with various sensors / light management systems e.g. Photocell or CityTouch components thanks to the optional Zhaga standard socket. Please feel free to contact us.

Installation on the pole as pole-top or side-mounted pole-top luminaire. Adjustable and lockable in 5° steps:

Side mounting: tilted from 0° to -30° (poles with curved bracket)

Top mounting: tilted from -5° to +15° (straight poles)

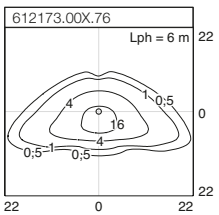


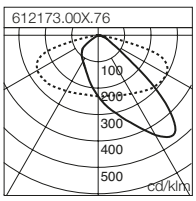


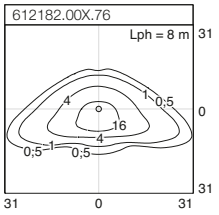
MINGATA

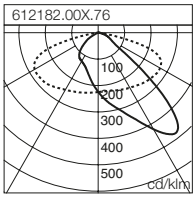
Mast attachment and pole-top luminaires

- Made in Germany
- Installation on the pole as pole-top or side-mounted pole luminaire. Adjustable and lockable in 5° steps:
  - Top mounting: tilted from -5° to +15° (straight poles)
  - Side mounting: tilted from 0° to -30° (poles with curved bracket)
- Three diameters available for pole top installation (42 mm and 76 mm, 60 mm with reducer adapter)
- CityTouch-ready, luminaire can be fitted with CityTouch components if required
- The comprehensive selection of light distributions and light outputs allows for an universal application regarding illumination of private paths, public roads up to area lighting (parking lots) according to EN 13201
- Plug & Play concept for simple and safe installation: factory-fitted 8 m connecting cable means that the luminaire does not have to be opened for installation
- Power interruption when the housing is opened
- Tool-free maintenance / replacement by Eccentric Lock System and Hybrid Lock System
- Seawater resistant coating
- Control gear with integrated surge protection



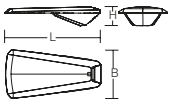






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Mast attachment and pole-top luminaires | Mingata Mini





Type of Protection: **IP 66**
Protection Class: II
Impact Protection: IK08

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Pole-top fixing with integrated cable routing and stainless steel screws. Cover clear single-pane tempered glass. Tool-free maintenance / replacement by Eccentric Lock System with disconnect plug and Hybrid Lock System. Light distribution optimised for either M classes, P and C classes or area lighting. 4 x 1.0 mm² connecting cable included, length 8 m. Other lengths on request.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Luminaires for spigot Ø 42 mm							**Price Category 12**
Asymmetrical light distribution for M lighting classes							
612188.00X.76	L 500, B 270, H 100	LED	730	2000 lm	14 W	DALI	A++
612188.00X.1.76	L 500, B 270, H 100	LED	740	2000 lm	14 W	DALI	A++
612189.00X.76	L 500, B 270, H 100	LED	730	4000 lm	27 W	DALI	A++
612189.00X.1.76	L 500, B 270, H 100	LED	740	4000 lm	27 W	DALI	A++
612190.00X.76	L 500, B 270, H 100	LED	730	6000 lm	43 W	DALI	A++
612190.00X.1.76	L 500, B 270, H 100	LED	740	6000 lm	43 W	DALI	A++
Asymmetrical light distribution for P and C lighting classes							
612191.00X.76	L 500, B 270, H 100	LED	730	2000 lm	14 W	DALI	A++
612191.00X.1.76	L 500, B 270, H 100	LED	740	2000 lm	14 W	DALI	A++
612192.00X.76	L 500, B 270, H 100	LED	730	4000 lm	27 W	DALI	A++
612192.00X.1.76	L 500, B 270, H 100	LED	740	4000 lm	27 W	DALI	A++
612193.00X.76	L 500, B 270, H 100	LED	730	6000 lm	43 W	DALI	A++
612193.00X.1.76	L 500, B 270, H 100	LED	740	6000 lm	43 W	DALI	A++
Asymmetrical light distribution for area lighting (P or C lighting classes)							
612194.00X.76	L 500, B 270, H 100	LED	730	2000 lm	14 W	DALI	A++
612194.00X.1.76	L 500, B 270, H 100	LED	740	2000 lm	14 W	DALI	A++
612195.00X.76	L 500, B 270, H 100	LED	730	4000 lm	27 W	DALI	A++
612195.00X.1.76	L 500, B 270, H 100	LED	740	4000 lm	27 W	DALI	A++
612196.00X.76	L 500, B 270, H 100	LED	730	6000 lm	43 W	DALI	A++
612196.00X.1.76	L 500, B 270, H 100	LED	740	6000 lm	43 W	DALI	A++
Luminaires for spigot Ø 76 mm							**Price Category 12**
Asymmetrical light distribution for M lighting classes							
612170.00X.76	L 500, B 270, H 100	LED	730	2000 lm	14 W	DALI	A++
612170.00X.1.76	L 500, B 270, H 100	LED	740	2000 lm	14 W	DALI	A++
612173.00X.76	L 500, B 270, H 100	LED	730	4000 lm	27 W	DALI	A++
612173.00X.1.76	L 500, B 270, H 100	LED	740	4000 lm	27 W	DALI	A++
612176.00X.76	L 500, B 270, H 100	LED	730	6000 lm	43 W	DALI	A++
612176.00X.1.76	L 500, B 270, H 100	LED	740	6000 lm	43 W	DALI	A++
Asymmetrical light distribution for P and C lighting classes							
612171.00X.76	L 500, B 270, H 100	LED	730	2000 lm	14 W	DALI	A++
612171.00X.1.76	L 500, B 270, H 100	LED	740	2000 lm	14 W	DALI	A++
612174.00X.76	L 500, B 270, H 100	LED	730	4000 lm	27 W	DALI	A++
612174.00X.1.76	L 500, B 270, H 100	LED	740	4000 lm	27 W	DALI	A++
612177.00X.76	L 500, B 270, H 100	LED	730	6000 lm	43 W	DALI	A++
612177.00X.1.76	L 500, B 270, H 100	LED	740	6000 lm	43 W	DALI	A++
Asymmetrical light distribution for area lighting (P or C lighting classes)							
612172.00X.76	L 500, B 270, H 100	LED	730	2000 lm	14 W	DALI	A++
612172.00X.1.76	L 500, B 270, H 100	LED	740	2000 lm	14 W	DALI	A++
612175.00X.76	L 500, B 270, H 100	LED	730	4000 lm	27 W	DALI	A++
612175.00X.1.76	L 500, B 270, H 100	LED	740	4000 lm	27 W	DALI	A++
612178.00X.76	L 500, B 270, H 100	LED	730	6000 lm	43 W	DALI	A++
612178.00X.1.76	L 500, B 270, H 100	LED	740	6000 lm	43 W	DALI	A++

Comparison
LED vs. conventional lamps

LED 14 W ≈
1 x 35 W HIT (45 W CB)

LED 27 W ≈
1 x 50 W HIT (60 W CB)

LED 43 W ≈
1 x 70 W HIT (84 W CB)

Accessories | Multiple brackets

Pole bracket for side mounting, hot-dip galvanized steel. For spigot diameter Ø 76 mm. Bracket arm length 500 mm, Ø 60 mm.
Powder coating on request. **Please order reducer adapter separately for installation on the bracket!**



Multiple brackets			Price Category 12
982588.000	L 1015, B 90, H 250	Pole bracket for 2 luminaires	
982589.000	L 849, B 787, H 250	Pole bracket for 3 luminaires	
982590.000	L 1015, B 1015, H 250	Pole bracket for 4 luminaires	

Accessories | Wall bracket

Wall bracket made of hot-dip galvanized steel. Bracket arm length 215 mm, Ø 76 mm, 75 ° vertically inclined. Powder coating on request.



Wall bracket		Price Category 12
982591.000	L 215, B 150, H 150	

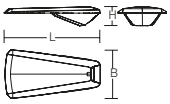
Reducer Adapters			Price Category 12
982562.000	L 43, B 76, H 95	To reduce the size of the spigot Ø 76 mm to Ø 60 mm	

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Housing: plastic. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 luminaires outgoing lines.	





Mast attachment and pole-top luminaires | Mingata Midi



Type of Protection: **IP 66**
Protection Class: II
Impact Protection: IK08

Housing made of corrosion resistant pressure die-cast aluminium (seawater resistant powder-coated). Pole-top fixing with integrated cable routing and stainless steel screws. Cover clear single-pane tempered glass. Tool-free maintenance / replacement by Eccentric Lock System with disconnect plug and Hybrid Lock System. Light distribution optimised for either M classes, P and C classes or area lighting. 4 x 1.0 mm² connecting cable included, length 8 m. Other lengths on request.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Comparison
LED vs. conventional lamps

LED 52 W ≈
1 x 100 W HIT (106 W CB)

LED 65 W ≈
1 x 150 W HIT (160 W CB)

LED 82 W ≈
1 x 250 W HIT (275 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Luminaires for spigot Ø 42 mm							**Price Category 12**
Asymmetrical light distribution for M lighting classes							
612197.00X.76	L 700, B 340, H 100	LED	730	8000 lm	52 W	DALI	A++
612197.00X.1.76	L 700, B 340, H 100	LED	740	8000 lm	52 W	DALI	A++
612198.00X.76	L 700, B 340, H 100	LED	730	10000 lm	65 W	DALI	A++
612198.00X.1.76	L 700, B 340, H 100	LED	740	10000 lm	65 W	DALI	A++
612199.00X.76	L 700, B 340, H 100	LED	730	12000 lm	82 W	DALI	A++
612199.00X.1.76	L 700, B 340, H 100	LED	740	12000 lm	82 W	DALI	A++
Asymmetrical light distribution for P and C lighting classes							
612200.00X.76	L 700, B 340, H 100	LED	730	8000 lm	52 W	DALI	A++
612200.00X.1.76	L 700, B 340, H 100	LED	740	8000 lm	52 W	DALI	A++
612201.00X.76	L 700, B 340, H 100	LED	730	10000 lm	65 W	DALI	A++
612201.00X.1.76	L 700, B 340, H 100	LED	740	10000 lm	65 W	DALI	A++
612202.00X.76	L 700, B 340, H 100	LED	730	12000 lm	82 W	DALI	A++
612202.00X.1.76	L 700, B 340, H 100	LED	740	12000 lm	82 W	DALI	A++
Asymmetrical light distribution for area lighting (P or C lighting classes)							
612203.00X.76	L 700, B 340, H 100	LED	730	8000 lm	52 W	DALI	A++
612203.00X.1.76	L 700, B 340, H 100	LED	740	8000 lm	52 W	DALI	A++
612204.00X.76	L 700, B 340, H 100	LED	730	10000 lm	65 W	DALI	A++
612204.00X.1.76	L 700, B 340, H 100	LED	740	10000 lm	65 W	DALI	A++
612205.00X.76	L 700, B 340, H 100	LED	730	12000 lm	82 W	DALI	A++
612205.00X.1.76	L 700, B 340, H 100	LED	740	12000 lm	82 W	DALI	A++
Luminaires for spigot Ø 76 mm							**Price Category 12**
Asymmetrical light distribution for M lighting classes							
612179.00X.76	L 700, B 340, H 100	LED	730	8000 lm	52 W	DALI	A++
612179.00X.1.76	L 700, B 340, H 100	LED	740	8000 lm	52 W	DALI	A++
612182.00X.76	L 700, B 340, H 100	LED	730	10000 lm	65 W	DALI	A++
612182.00X.1.76	L 700, B 340, H 100	LED	740	10000 lm	65 W	DALI	A++
612185.00X.76	L 700, B 340, H 100	LED	730	12000 lm	82 W	DALI	A++
612185.00X.1.76	L 700, B 340, H 100	LED	740	12000 lm	82 W	DALI	A++
Asymmetrical light distribution for P and C lighting classes							
612180.00X.76	L 700, B 340, H 100	LED	730	8000 lm	52 W	DALI	A++
612180.00X.1.76	L 700, B 340, H 100	LED	740	8000 lm	52 W	DALI	A++
612183.00X.76	L 700, B 340, H 100	LED	730	10000 lm	65 W	DALI	A++
612183.00X.1.76	L 700, B 340, H 100	LED	740	10000 lm	65 W	DALI	A++
612186.00X.76	L 700, B 340, H 100	LED	730	12000 lm	82 W	DALI	A++
612186.00X.1.76	L 700, B 340, H 100	LED	740	12000 lm	82 W	DALI	A++
Asymmetrical light distribution for area lighting (P or C lighting classes)							
612181.00X.76	L 700, B 340, H 100	LED	730	8000 lm	52 W	DALI	A++
612181.00X.1.76	L 700, B 340, H 100	LED	740	8000 lm	52 W	DALI	A++
612184.00X.76	L 700, B 340, H 100	LED	730	10000 lm	65 W	DALI	A++
612184.00X.1.76	L 700, B 340, H 100	LED	740	10000 lm	65 W	DALI	A++
612187.00X.76	L 700, B 340, H 100	LED	730	12000 lm	82 W	DALI	A++
612187.00X.1.76	L 700, B 340, H 100	LED	740	12000 lm	82 W	DALI	A++



Accessories | Multiple brackets

Pole bracket for side mounting, hot-dip galvanized steel. For spigot diameter Ø 76 mm. Bracket arm length 500 mm, Ø 60 mm. Powder coating on request. **Please order reducer adapter separately for installation on the bracket!**

Multiple brackets			Price Category 12
982588.000	L 1015, B 90, H 250	Pole bracket for 2 luminaires	
982589.000	L 849, B 787, H 250	Pole bracket for 3 luminaires	
982590.000	L 1015, B 1015, H 250	Pole bracket for 4 luminaires	



Accessories | Wall bracket

Wall bracket made of hot-dip galvanized steel. Bracket arm length 215 mm, Ø 76 mm, 75 ° vertically inclined. Powder coating on request.

Wall bracket		Price Category 12
982591.000	L 215, B 150, H 150	

Reducer Adapters			Price Category 12
982562.000	L 43, B 76, H 95	To reduce the size of the spigot Ø 76 mm to Ø 60 mm	



Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Housing: plastic. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 luminaires outgoing lines.	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

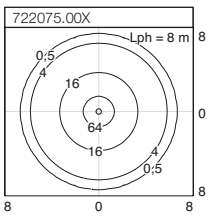
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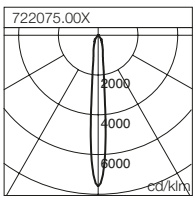


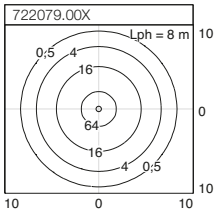
ALU-STAR

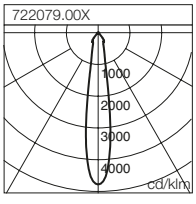
Mast attachment luminaires

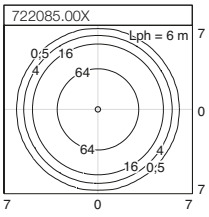
- Made in Germany
- Reflectors made of reflex boosted **MIRO-SILVER®** with choice of four beam angles for ultimate flexibility in application
- Beam direction can be precisely adjusted and locked into position for tilt and rotation by a sopisticated step mechanism
- Robust outdoor operation ensured by use of high quality material like powder coated, corrosion-resistant pressure die-cast aluminium, tempered glass and stainless steel
- Seawater resistant coating

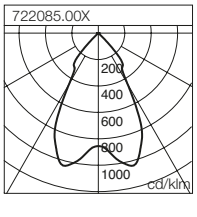


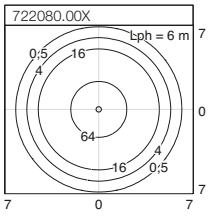


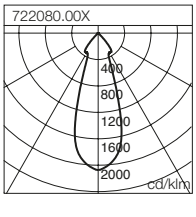






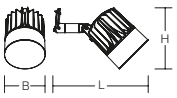






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Mast attachment luminaires | Alu-Star Mini





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant die-cast aluminium with extension arm for outdoor use, seawater resistant powder-coated. Spotlight with 8 m connecting cable. Pole mounting by means of 2 drilled holes Ø 28 mm (provided on site). Rotation angle: 318° in increments of 6°, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane tempered glass. Rotation-symmetric reflector made of reflex-boosted **MIRO-SILVER**®. With membrane valve as a standard to prevent condensed water. Thermally decoupled converter unit must be integrated externally in the pole on site. With terminal block 2 x max. 2.5 mm² for mains cable max. Ø 12 mm.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight - 1 extension								**Price Category 12**
Spot, narrow beam								
722075.00X	L 342, B 115, H 231	LED	830	3600 lm	40 W	10°	on/off	A+
722075.00X.1	L 342, B 115, H 231	LED	840	3750 lm	40 W	10°	on/off	A+
Spot, medium beam								
722076.00X	L 342, B 115, H 231	LED	830	2950 lm	40 W	26°	on/off	A+
722076.00X.1	L 342, B 115, H 231	LED	840	3100 lm	40 W	26°	on/off	A+
Spot, wide beam								
722077.00X	L 342, B 115, H 231	LED	830	2900 lm	40 W	50°	on/off	A+
722077.00X.1	L 342, B 115, H 231	LED	830	3000 lm	40 W	50°	on/off	A+



Floodlight - 2 extension set								**Price Category 12**
Spot, narrow beam								
722137.00X	L 342, B 115, H 231	LED	830	7200 lm	80 W	10°	on/off	A+
722137.00X.1	L 342, B 115, H 231	LED	840	7500 lm	80 W	10°	on/off	A+

Pole attachment for 76 mm spigot			Price Category 12
982455.00X	D 100, H 237	for mounting 1 projector (1 x 90°)	
982456.00X	D 100, H 237	for mounting 2 projectors (2 x 90°)	
982457.00X	D 100, H 237	for mounting 3 projectors (3 x 120°)	
982458.00X	D 100, H 237	for mounting 4 projectors (4 x 90°)	



Snap-on hood			Price Category 12
982165.003	L 140, B 121, H 130	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			Price Category 12
982162.003	L 129, D 120, H 85	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			Price Category 12
982168.003	L 266, B 266, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	

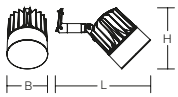


Frame attachment with colour filters with mounting attachment			Price Category 12
982159.006	D 121, H 58	Glass: blue. Frame: stainless steel, powder coated, black	
982159.007	D 121, H 58	Glass: yellow. Frame: stainless steel, powder coated, black	
982159.0077	D 121, H 58	Glass: green. Frame: stainless steel, powder coated, black	
982159.008	D 121, H 58	Glass: red. Frame: stainless steel, powder coated, black	
982160.006	D 161, H 58	Glass: blue. Frame: stainless steel, powder coated, black	





Mast attachment luminaires | Alu-Star Midi



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant die-cast aluminium with extension arm for outdoor use, seawater resistant powder-coated. Spotlight with 8 m connecting cable. Pole mounting by means of 2 drilled holes Ø 28 mm (provided on site). Rotation angle: 318° in increments of 6°, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane tempered glass. Rotation-symmetric reflector made of reflex-boosted **MIRO-SILVER®**. With membrane valve as a standard to prevent condensed water. Thermally decoupled converter unit must be integrated externally in the pole on site. With terminal block 2 x max. 2.5 mm² for mains cable max. Ø 12 mm.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight - 1 extension								**Price Category 12**
Spot, narrow beam								
722078.00X	L 403, B 153, H 266	LED	830	4750 lm	60 W	9°	on/off	A++
722078.00X.1	L 403, B 153, H 266	LED	840	4950 lm	60 W	9°	on/off	A++
Spot, medium beam								
722079.00X	L 403, B 153, H 266	LED	830	6250 lm	60 W	17°	on/off	A++
722079.00X.1	L 403, B 153, H 266	LED	840	6500 lm	60 W	17°	on/off	A++
Spot, wide beam								
722080.00X	L 403, B 153, H 266	LED	830	6200 lm	60 W	34°	on/off	A++
722080.00X.1	L 403, B 153, H 266	LED	840	6450 lm	60 W	34°	on/off	A++
Wide flood								
722081.00X	L 403, B 153, H 266	LED	830	6300 lm	60 W	64°	on/off	A++
722081.00X.1	L 403, B 153, H 266	LED	840	6550 lm	60 W	64°	on/off	A++
Floodlight - 2 extension set								**Price Category 12**
Spot, narrow beam								
722133.00X	L 403, B 153, H 266	LED	830	9500 lm	120 W	9°	on/off	A++
722133.00X.1	L 403, B 153, H 266	LED	840	9900 lm	120 W	9°	on/off	A++
Spot, medium beam								
722134.00X	L 403, B 153, H 266	LED	830	12500 lm	120 W	17°	on/off	A++
722134.00X.1	L 403, B 153, H 266	LED	840	13000 lm	120 W	17°	on/off	A++
Spot, wide beam								
722135.00X	L 403, B 153, H 266	LED	830	12400 lm	120 W	34°	on/off	A++
722135.00X.1	L 403, B 153, H 266	LED	840	12900 lm	120 W	34°	on/off	A++
Wide flood								
722136.00X	L 403, B 153, H 266	LED	830	12600 lm	120 W	64°	on/off	A++
722136.00X.1	L 403, B 153, H 266	LED	840	13100 lm	120 W	64°	on/off	A++



Pole attachment for 76 mm spigot			**Price Category 12**
982455.00X	D 100, H 237	for mounting 1 projector (1 x 90°)	
982456.00X	D 100, H 237	for mounting 2 projectors (2 x 90°)	
982457.00X	D 100, H 237	for mounting 3 projectors (3 x 120°)	
982458.00X	D 100, H 237	for mounting 4 projectors (4 x 90°)	



Snap-on hood			**Price Category 12**
982166.003	L 185, B 161, H 170	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			**Price Category 12**
982163.003	L 169, D 160, H 97	Can be rotated 360 degrees stainless steel, powder coated, black	



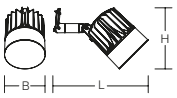
Barn door shutter with mounting attachment			**Price Category 12**
982169.003	L 340, B 340, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Frame attachment with colour filters with mounting attachment			**Price Category 12**
982160.008	D 160, H 58	Glass: red. Frame: stainless steel, powder coated, black	
982160.006	D 161, H 58	Glass: blue. Frame: stainless steel, powder coated, black	
982160.007	D 161, H 58	Glass: yellow. Frame: stainless steel, powder coated, black	
982160.0077	D 161, H 58	Glass: green. Frame: stainless steel, powder coated, black	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Mast attachment luminaires | Alu-Star Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

Housing made of corrosion-resistant die-cast aluminium with extension arm for outdoor use, seawater resistant powder-coated. Spotlight with 8 m connecting cable. Pole mounting by means of 2 drilled holes Ø 28 mm (provided on site). Rotation angle: 318° in increments of 6°, tilt angle 90° in increments of 5°, angle scale can be adjusted and locked. Cover clear single-pane tempered glass. Rotation-symmetric reflector made of reflex-boosted **MIRO-SILVER**®. With membrane valve as a standard to prevent condensed water. Thermally decoupled converter unit must be integrated externally in the pole on site. With terminal block 2 x max. 2.5 mm² for mains cable max. Ø 12 mm.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimm-able	EEC
Floodlight - 1 extension								**Price Category 12**
Spot, narrow beam								
722082.00X	L 476, B 204, H 306	LED	830	8650 lm	90 W	11°	on/off	A++
722082.00X.1	L 476, B 204, H 306	LED	840	9050 lm	90 W	11°	on/off	A++
Spot, medium beam								
722083.00X	L 476, B 204, H 306	LED	830	8850 lm	90 W	24°	on/off	A++
722083.00X.1	L 476, B 204, H 306	LED	840	9200 lm	90 W	24°	on/off	A++
Spot, wide beam								
722084.00X	L 476, B 204, H 306	LED	830	8900 lm	90 W	37°	on/off	A++
722084.00X.1	L 476, B 204, H 306	LED	840	9250 lm	90 W	37°	on/off	A++
Wide flood								
722085.00X	L 476, B 204, H 306	LED	830	8900 lm	90 W	57°	on/off	A++
722085.00X.1	L 476, B 204, H 306	LED	840	9250 lm	90 W	57°	on/off	A++



Floodlight - 2 extension set								**Price Category 12**
Spot, narrow beam								
722117.00X	L 476, B 204, H 306	LED	830	17300 lm	180 W	11°	on/off	A++
722117.00X.1	L 476, B 204, H 306	LED	840	18100 lm	180 W	11°	on/off	A++
Spot, medium beam								
722118.00X	L 476, B 204, H 306	LED	830	17700 lm	180 W	24°	on/off	A++
722118.00X.1	L 476, B 204, H 306	LED	840	18400 lm	180 W	24°	on/off	A++
Spot, wide beam								
722119.00X	L 476, B 204, H 306	LED	830	17800 lm	180 W	37°	on/off	A++
722119.00X.1	L 476, B 204, H 306	LED	840	18500 lm	180 W	37°	on/off	A++
Wide flood								
722120.00X	L 476, B 204, H 306	LED	830	17800 lm	180 W	57°	on/off	A++
722120.00X.1	L 476, B 204, H 306	LED	840	18500 lm	180 W	57°	on/off	A++

Pole attachment for 76 mm spigot			**Price Category 12**
982455.00X	D 100, H 237	for mounting 1 projector (1 x 90°)	
982456.00X	D 100, H 237	for mounting 2 projectors (2 x 90°)	
982457.00X	D 100, H 237	for mounting 3 projectors (3 x 120°)	
982458.00X	D 100, H 237	for mounting 4 projectors (4 x 90°)	



Snap-on hood			**Price Category 12**
982167.003	L 241, B 212, H 221	Can be rotated 360 degrees stainless steel, powder coated, black	



Louvre as push-on attachment			**Price Category 12**
982164.003	L 220, D 211, H 100	Can be rotated 360 degrees stainless steel, powder coated, black	



Barn door shutter with mounting attachment			**Price Category 12**
982170.003	L 438, B 438, H 31	Can be rotated 360 degrees stainless steel, powder coated, black	



Frame attachment with colour filters with mounting attachment			**Price Category 12**
982161.006	D 211, H 58	Glass: blue. Frame: stainless steel, powder coated, black	
982161.007	D 211, H 58	Glass: yellow. Frame: stainless steel, powder coated, black	
982161.0077	D 211, H 58	Glass: green. Frame: stainless steel, powder coated, black	
982161.008	D 211, H 58	Glass: red. Frame: stainless steel, powder coated, black	

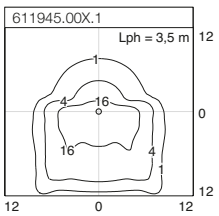


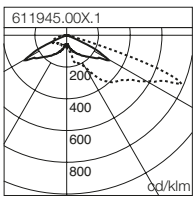


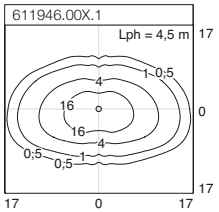
GONIA®

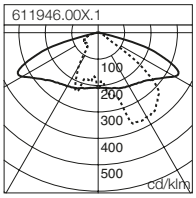
Pole top luminaires

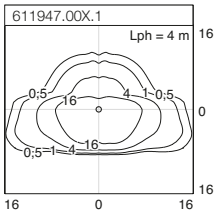
- The classically linear design supports applications in small scale surroundings
- In addition to the standard switch version, various customer-specific light management requirements can be satisfied
- CityTouch-ready, luminaire can be fitted with CityTouch components if required
- Comprehensive selection of light distributions and luminous flux enables universal application range starting with private pathways to main roads with public lighting
- Plug and play design with pre-assembled connecting cable for easy installation and small transport volume
- Quick maintenance due to plug & play standard lighting inserts
- Seawater resistant coating

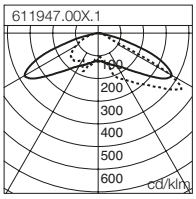






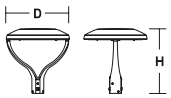






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pole top luminaires | Gonia



Type of Protection: **IP 65**
Protection Class: II
Impact Protection: IK07

Luminaire body aluminium, arm cast aluminium with integrated wiring and stainless steel threaded inserts powder-coated. Pole attachment for 76 mm spigot. With stainless steel screws. Aluminium light insert with tempered glazing, powder coated. Twist-lock and plug connector for quick replacement. Refractor optics with multichip LED. Light distribution optimised for either M classes, P and C classes or area lighting. 4 x 1.0 mm^2 connecting cable included.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Luminaires for spigot Ø 76 mm							**Price Category 12**
Asymmetrical light distribution for M lighting classes							
611940.00X	D 500, H 525	LED	730	1800 lm	24 W	DALI	A+
611940.00X.1	D 500, H 525	LED	740	2100 lm	24 W	DALI	A+
611943.00X	D 500, H 525	LED	730	3450 lm	45 W	DALI	A+
611943.00X.1	D 500, H 525	LED	740	4050 lm	45 W	DALI	A+
611946.00X	D 500, H 525	LED	730	5350 lm	65 W	DALI	A+
611946.00X.1	D 500, H 525	LED	740	6200 lm	65 W	DALI	A+
611949.00X	D 500, H 525	LED	730	7050 lm	86 W	DALI	A+
611949.00X.1	D 500, H 525	LED	740	8200 lm	86 W	DALI	A+
Asymmetrical light distribution for P and C lighting classes							
611941.00X	D 500, H 525	LED	730	1800 lm	24 W	DALI	A+
611941.00X.1	D 500, H 525	LED	740	2100 lm	24 W	DALI	A+
611944.00X	D 500, H 525	LED	730	3450 lm	45 W	DALI	A+
611944.00X.1	D 500, H 525	LED	740	4050 lm	45 W	DALI	A+
611947.00X	D 500, H 525	LED	730	5300 lm	65 W	DALI	A+
611947.00X.1	D 500, H 525	LED	740	6200 lm	65 W	DALI	A+
611950.00X	D 500, H 525	LED	730	7050 lm	86 W	DALI	A+
611950.00X.1	D 500, H 525	LED	740	8250 lm	86 W	DALI	A+
Asymmetrical light distribution for area lighting (P or C lighting classes)							
611942.00X	D 500, H 525	LED	730	1850 lm	24 W	DALI	A+
611942.00X.1	D 500, H 525	LED	740	2150 lm	24 W	DALI	A+
611945.00X	D 500, H 525	LED	730	3600 lm	45 W	DALI	A+
611945.00X.1	D 500, H 525	LED	740	4200 lm	45 W	DALI	A+
611948.00X	D 500, H 525	LED	730	5550 lm	65 W	DALI	A+
611948.00X.1	D 500, H 525	LED	740	6450 lm	65 W	DALI	A+
611951.00X	D 500, H 525	LED	730	7300 lm	86 W	DALI	A+
611951.00X.1	D 500, H 525	LED	740	8500 lm	86 W	DALI	A+
Symmetrical light distribution for area lighting (P or C lighting classes)							
612207.00X	D 500, H 525	LED	730	3600 lm	45 W	DALI	A+
612207.00X.1	D 500, H 525	LED	740	4200 lm	45 W	DALI	A+
612208.00X	D 500, H 525	LED	730	7300 lm	86 W	DALI	A+
612208.00X.1	D 500, H 525	LED	740	8500 lm	86 W	DALI	A+

Spigot adaptor			**Price Category 12**
982436.000	D 77, H 90	Spigot adaptor for mounting Ø 76 mm pole-top on Ø 60 mm spigot, with 6 headless screws for replacement.Stainless steel, uncoated.	

Comparison
LED vs. conventional lamps

LED 24 W ≈
1 x 35 W HIT (45 W CB)

LED 45 W ≈
1 x 70 W HIT (84 W CB)

LED 65 W ≈
1 x 100 W HIT (106 W CB)

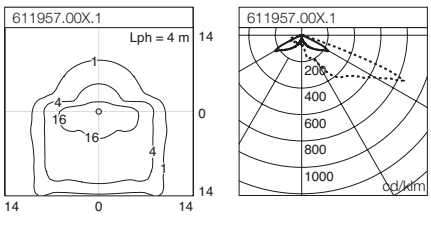
LED 86 W ≈
1 x 150 W HIT (160 W CB)

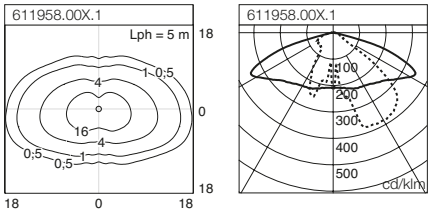


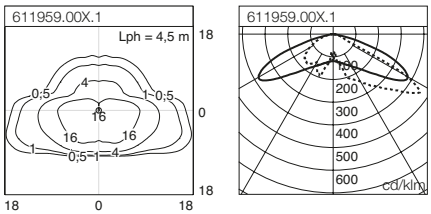
LARUTA®

Pole top luminaires

- The elegant linear shape excellently suits modern architecture
- Comprehensive selection of light distributions and luminous flux enables universal application range starting with private pathways to main roads with public lighting
- In addition to the standard switch version, various customer-specific light management requirements can be satisfied
- CityTouch-ready, luminaire can be fitted with CityTouch components if required
- Plug and play design with pre-assembled connecting cable for easy installation and small transport volume
- Quick maintenance due to plug & play standard lighting inserts
- Seawater resistant coating

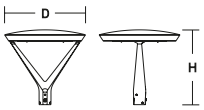






Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pole top luminaires | Laruta





Type of Protection: **IP 65**
Protection Class: II
Impact Protection: IK07

Luminaire body aluminium, arm cast aluminium with integrated wiring and stainless steel threaded inserts powder-coated. Pole attachment for 76 mm spigot. With stainless steel screws. Aluminium light insert with tempered glazing, powder coated. Twist-lock and plug connector for quick replacement. Refractor optics with multichip LED. Light distribution optimised for either M classes, P and C classes or area lighting. 4 x 1.0 mm^2 connecting cable included.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Luminaires for spigot Ø 76 mm							**Price Category 12**
Asymmetrical light distribution for M lighting classes							
611952.00X	D 650, H 610	LED	730	1750 lm	24 W	DALI	A+
611952.00X.1	D 650, H 610	LED	740	2050 lm	24 W	DALI	A+
611955.00X	D 650, H 610	LED	730	3400 lm	45 W	DALI	A+
611955.00X.1	D 650, H 610	LED	740	3950 lm	45 W	DALI	A+
611958.00X	D 650, H 610	LED	730	5200 lm	65 W	DALI	A+
611958.00X.1	D 650, H 610	LED	740	6050 lm	65 W	DALI	A+
611961.00X	D 650, H 610	LED	730	6900 lm	86 W	DALI	A+
611961.00X.1	D 650, H 610	LED	740	8000 lm	86 W	DALI	A+
Asymmetrical light distribution for P and C lighting classes							
611953.00X	D 650, H 610	LED	730	1750 lm	24 W	DALI	A+
611953.00X.1	D 650, H 610	LED	740	2050 lm	24 W	DALI	A+
611956.00X	D 650, H 610	LED	730	3400 lm	45 W	DALI	A+
611956.00X.1	D 650, H 610	LED	740	3950 lm	45 W	DALI	A+
611959.00X	D 650, H 610	LED	730	5250 lm	65 W	DALI	A+
611959.00X.1	D 650, H 610	LED	740	6100 lm	65 W	DALI	A+
611962.00X	D 650, H 610	LED	730	6950 lm	86 W	DALI	A+
611962.00X.1	D 650, H 610	LED	740	8050 lm	86 W	DALI	A+
Asymmetrical light distribution for area lighting (P or C lighting classes)							
611954.00X	D 650, H 610	LED	730	1850 lm	24 W	DALI	A+
611954.00X.1	D 650, H 610	LED	740	2150 lm	24 W	DALI	A+
611957.00X	D 650, H 610	LED	730	3600 lm	45 W	DALI	A+
611957.00X.1	D 650, H 610	LED	740	4200 lm	45 W	DALI	A+
611960.00X	D 650, H 610	LED	730	5500 lm	65 W	DALI	A+
611960.00X.1	D 650, H 610	LED	740	6400 lm	65 W	DALI	A+
611963.00X	D 650, H 610	LED	730	7200 lm	86 W	DALI	A+
611963.00X.1	D 650, H 610	LED	740	8400 lm	86 W	DALI	A+
Symmetrical light distribution for area lighting (P or C lighting classes)							
612209.00X	D 650, H 610	LED	730	3600 lm	45 W	DALI	A+
612209.00X.1	D 650, H 610	LED	740	4200 lm	45 W	DALI	A+
612210.00X	D 650, H 610	LED	730	7200 lm	86 W	DALI	A+
612210.00X.1	D 650, H 610	LED	740	8400 lm	86 W	DALI	A+

Spigot adaptor			Price Category 12
982436.000	D 77, H 90	Spigot adaptor for mounting Ø 76 mm pole-top on Ø 60 mm spigot, with 6 headless screws for replacement.Stainless steel, uncoated.	

Comparison
LED vs. conventional lamps

LED 24 W ≈
1 x 35 W HIT (45 W CB)

LED 45 W ≈
1 x 70 W HIT (84 W CB)

LED 65 W ≈
1 x 100 W HIT (106 W CB)

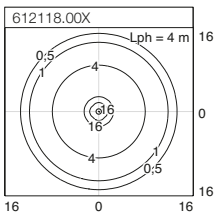
LED 86 W ≈
1 x 150 W HIT (160 W CB)

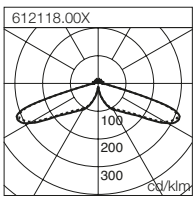


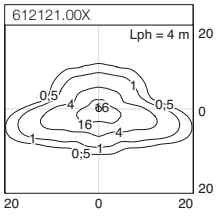
LUPALO

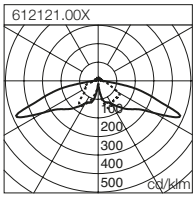
Light stack

- Light stack for public areas like pedestrian zones, squares, bridges, car parks and park areas
- ATA - Adaptive, temperature sensitive compensation of elongation for long-term watertightness
- Seawater resistant coating
- Aluminium profile with access door to fuse box and integral LED driver
- Clear impact resistant PMMA cylinder for optimum light output
- Multichip-LED with high performance refractor optics, selection of light distribution optimised for C- and P-classes for road or area lighting
- CityTouch-ready, luminaire can be fitted with CityTouch components if required



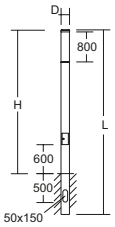


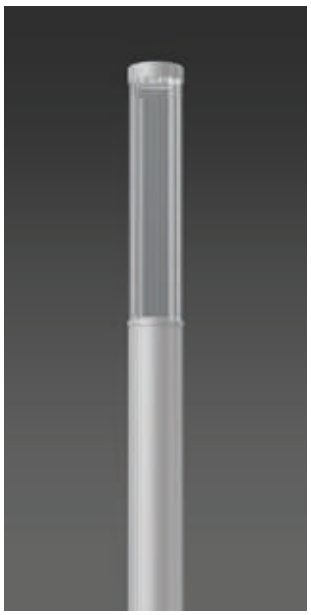




Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Light stack | Lupalo





Type of Protection: **IP 65**
Protection Class: II
Impact Protection: IK04

Light stack for public lighting application. Column aluminium profile with door and continuous base. Top assembly made of corrosion resistant aluminium for outdoor use, powder coated, stainless steel screws. Clear, impact resistant PMMA diffuser. Adaptive compensation for heat related expansion. Multi chip LED with high performance refractor optics, optimised for either C or P classes for road or area lighting. Integral driver located inside the column. C-track for fuse box mounting behind the pole door.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Light stacks							**Price Category 12**
Symmetrical light distribution for space illumination (P or C lighting classes)							
Height H 4000 mm							
612118.00X	D 187, L 4800, H 4000	LED	730	5050 lm	56 W	DALI	A+
612118.00X.1	D 187, L 4800, H 4000	LED	740	5400 lm	56 W	DALI	A+
Height H 4500 mm							
612119.00X	D 187, L 5300, H 4500	LED	730	5050 lm	56 W	DALI	A+
612119.00X.1	D 187, L 5300, H 4500	LED	740	5400 lm	56 W	DALI	A+
Height H 5000 mm							
612120.00X	D 187, L 5800, H 5000	LED	730	5050 lm	56 W	DALI	A+
612120.00X.1	D 187, L 5800, H 5000	LED	740	5400 lm	56 W	DALI	A+
Asymmetrical light distribution for P and C lighting classes							
Height H 4000 mm							
612121.00X	D 187, L 4800, H 4000	LED	730	4300 lm	56 W	DALI	A+
612121.00X.1	D 187, L 4800, H 4000	LED	740	4600 lm	56 W	DALI	A+
Height H 4500 mm							
612122.00X	D 187, L 5300, H 4500	LED	730	4300 lm	56 W	DALI	A+
612122.00X.1	D 187, L 5300, H 4500	LED	740	4600 lm	56 W	DALI	A+
Height H 5000 mm							
612123.00X	D 187, L 5800, H 5000	LED	730	4300 lm	56 W	DALI	A+
612123.00X.1	D 187, L 5800, H 5000	LED	740	4600 lm	56 W	DALI	A+

Comparison
LED vs. conventional lamps

LED 56 W ≈
1 x 70 W HIT (84 W CB)
1 x 300 W QT-DE (300 W)

Fuse box			Price Category 12
61199.009	L 265, B 72, H 75	Housing: plastic. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 luminaire outgoing lines.	





The application image shows:
Lupalo

© Fotostudio Lippmann

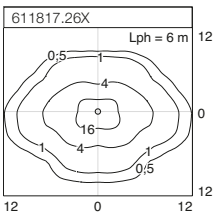


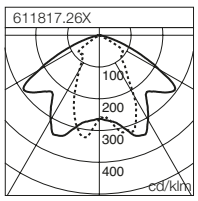


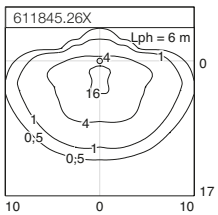
SLOPIA® SKY

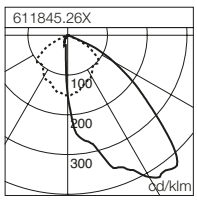
Pole top luminaires

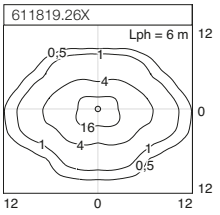
- System luminaire of the Slopia range for medium mounting heights, e.g. for the illumination of paths, park areas or factory roads
- Flat luminaire profile with integrated boom and various configuration options
- Best illumination quality due to free selection of different optimised, highly efficient reflector systems
- Maximised service life by using corrosion-resistant aluminium, safety glass and stainless steel for the luminaire body
- Easy adaptation to existing pole installations with separate top flange for all standard diameters
- Seawater resistant coating

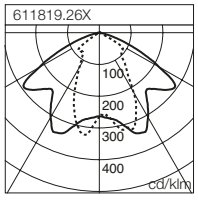


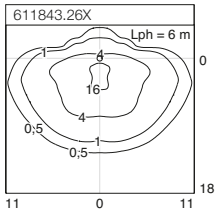


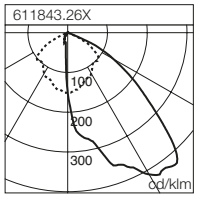












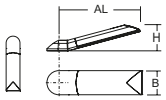




Further luminaires of this series, see:
Outdoor lighting | Wall luminaires
Outdoor lighting | Bollards

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Pole top luminaires | Slopia Sky





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

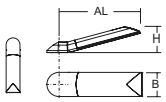
Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Mono, with 1 module				**Price Category 21**
with wide beam reflector				
611817.26X	B 220, H 190, AL 550	1 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611843.26X	B 220, H 190, AL 550	1 x HIT-TC-CE 35 W	on/off	A+

Pole-fitters for Slopia Sky series			**Price Category 12**
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	



Pole top luminaires | Slopia Sky





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

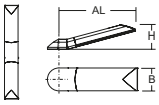
Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Mono, with 2 modules				**Price Category 21**
with wide beam reflector				
611819.26X	B 220, H 245, AL 760	2 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611845.26X	B 220, H 245, AL 760	2 x HIT-TC-CE 35 W	on/off	A+

Pole-fitters for Slopia Sky series			**Price Category 12**
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	





Pole top luminaires | Slopia Sky



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

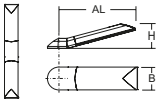
Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Twin, with 1 module per opposite arm				**Price Category 21**
with wide beam reflector				
611825.26X	L 1100, B 220, H 190, AL 550	2 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611847.26X	L 1100, B 220, H 190, AL 550	2 x HIT-TC-CE 35 W	on/off	A+



Pole-fitters for Slopia Sky series			Price Category 12
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	



Pole top luminaires | Slopia Sky



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

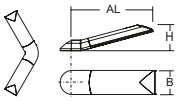
Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Twin, with 2 modules per arm				**Price Category 21**
with wide beam reflector				
611827.26X	L 1520, B 220, H 245, AL 760	4 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611849.26X	L 1520, B 220, H 245, AL 760	4 x HIT-TC-CE 35 W	on/off	A+



Pole-fitters for Slopia Sky series			Price Category 12
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pole top luminaires | Slopia Sky





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

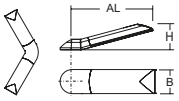
Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Twin, with 1 module per arm at 120 degrees				**Price Category 21**
with wide beam reflector				
611821.26X	B 220, H 190, AL 550	2 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611835.26X	B 220, H 190, AL 550	2 x HIT-TC-CE 35 W	on/off	A+

Pole-fitters for Slopia Sky series			Price Category 12
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	



Pole top luminaires | Slopia Sky





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

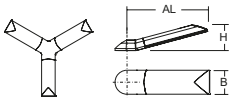
Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Twin, with 2 modules per arm at 120 degrees				**Price Category 21**
with wide beam reflector				
611823.26X	B 220, H 245, AL 760	4 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611837.26X	B 220, H 245, AL 760	4 x HIT-TC-CE 35 W	on/off	A+

Pole-fitters for Slopia Sky series			Price Category 12
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	





Pole top luminaires | Slopia Sky



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

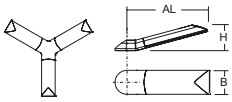
Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Trio, with 1 module per arm at 120 degrees				**Price Category 21**
with wide beam reflector				
611829.26X	B 220, H 190, AL 550	3 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611839.26X	B 220, H 190, AL 550	3 x HIT-TC-CE 35 W	on/off	A+



Pole-fitters for Slopia Sky series			Price Category 12
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	



Pole top luminaires | Slopia Sky



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK10

Housing made of aluminium profiles with modular inserts, covers and pole-top shaft of corrosion-resistant pressure die-cast aluminium, powder coated. Module with clear tempered glass diffuser. Reflector made of high purity aluminium, glossy brightened and anodised.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Head tilted 10 degrees upwards at pole-top shaft. Ready-to-connect including 6 m mains cable. All-size mounting flange adapting size specific pole-fitters. **Please order pole-fitter suitable for your spigot size separately.**

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	Lamp	dimm-able	EEC
Slopia Sky Trio, with 2 modules per arm at 120 degrees				**Price Category 21**
with wide beam reflector				
611802.26X	B 220, H 245, AL 550	6 x HIT-TC-CE 35 W	on/off	A+
with asymmetric reflector				
611841.26X	B 220, H 245, AL 760	6 x HIT-TC-CE 35 W	on/off	A+



Pole-fitters for Slopia Sky series			Price Category 12
90-6054.00X	D 148, H 60	for 60 mm spigot	
90-6055.00X	D 148, H 60	for 76 mm spigot	
90-6056.00X	D 148, H 60	for 90 mm spigot	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Slopia Sky



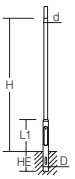
STEEL POLES

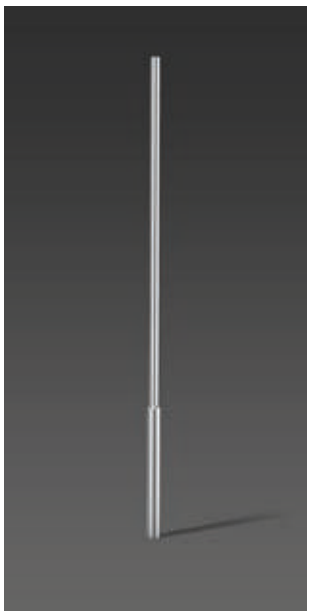
Accessories

- CE-certified steel poles, compliant with EN 40, with continuous root as a standard, on request available with flange plate
- Conical poles come with stripped seam
- Precise door cut out for accurate flush fitting
- Powder-coated with RZB standard colours for optimum consistency with the luminaire paint, RAL or DB colours possible on request
- Careful smoothing of the visible area as pre-treatment for powder-coating
- Direct transport with special vehicles from the production plant to the place of delivery to avoid transport damage

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Accessories | Steel poles, spigot Ø: 76 mm





Cylindrical stepped pole made of steel according to DIN EN 40. Hot-dip galvanised in compliance with DIN EN ISO 1461. Flush pole door, 85 x 400 mm. Triangular lock, other locks on request. C-slot with two sliding nuts M6 and earthing stud M8. Cable hole 50 x 150 mm (UKK 500 mm below level).

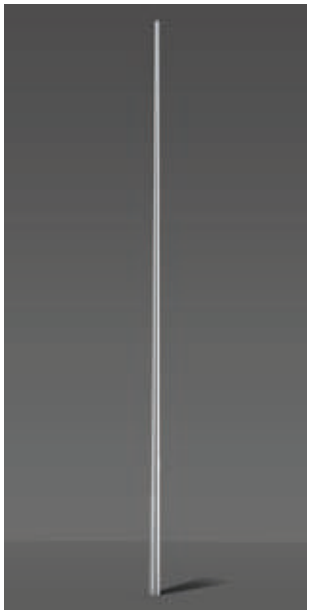
We charge additional shipping costs for small pole volumes up to 5 poles per place of delivery, independent of the order value. Please ask for exact conditions for specific orders.

Available colours (X): 0 = blank, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	
Straight light poles cylindrical, stepped with swaged joint, according to EN 40		**Price Category 12**
611891.000	D 114, H 3500, HE 600	uncoated
611891.00X	D 114, H 3500, HE 600	powder coated
611892.000	D 114, H 4000, HE 800	uncoated
611892.00X	D 114, H 4000, HE 800	powder coated
611893.000	D 114, H 4500, HE 800	uncoated
611893.00X	D 114, H 4500, HE 800	powder coated
611894.000	D 114, H 5000, HE 800	uncoated
611894.00X	D 114, H 5000, HE 800	powder coated
611895.000	D 114, H 6000, HE 1000	uncoated
611895.00X	D 114, H 6000, HE 1000	powder coated

Accessories | Steel poles, spigot Ø: 76 mm





Conical steel pole with stripped welding-seam, according to DIN EN 40. Hot-dip galvanised in compliance with DIN EN ISO 1461. Flush pole door, 85 x 400 mm. Triangular lock, other locks on request. C-slot with two sliding nuts M6 and earthing stud M8. Cable hole 50 x 150 mm (UKK 500 mm below level).

We charge additional shipping costs for small pole volumes up to 5 poles per place of delivery, independent of the order value. Please ask for exact conditions for specific orders.

Available colours (X): 0 = blank, 31 = anthracite metallic, 4 = silver metallic

Reference number	Dimensions	
Straight light poles conical round according to EN40		**Price Category 12**
611896.000	D 134, H 3500, HE 600	uncoated
611896.00X	D 134, H 3500, HE 600	powder coated
611897.000	D 124, H 4000, HE 800	uncoated
611897.00X	D 124, H 4000, HE 800	powder coated
611898.000	D 129, H 4500, HE 800	uncoated
611898.00X	D 129, H 4500, HE 800	powder coated
611899.000	D 134, H 5000, HE 800	uncoated
611899.00X	D 134, H 5000, HE 800	powder coated
611900.000	D 146, H 6000, HE 1000	uncoated
611900.00X	D 146, H 6000, HE 1000	powder coated
611901.000	D 156, H 7000, HE 1000	uncoated
611901.00X	D 156, H 7000, HE 1000	powder coated
611902.000	D 168, H 8000, HE 1200	uncoated
611902.00X	D 168, H 8000, HE 1200	powder coated
611903.000	D 191, H 10000, HE 1500	uncoated
611903.00X	D 191, H 10000, HE 1500	powder coated

Footplate set		**Price Category 12**
982099.000	L 300, B 300, H 3	loose incl. fastening screws
982100.000	L 400, B 400, H 3	loose incl. fastening screws

Fuse box		**Price Category 12**
61199.009	L 265, B 72, H 75	Housing: plastic. Input for 3 cables 5 x 16 mm². One D01 / E14 Fuse. 2 luminaire outgoing lines.



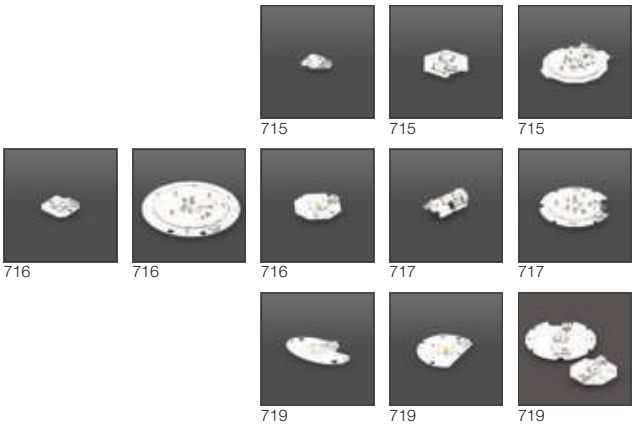
Edge guard for cable hole		**Price Category 12**
982098.003		Edge protector for cable hole 50 x 150 mm

Shrink sleeve for earth transition area, plastic		**Price Category 12**
982566.003	D 140, L 450	for pole diameter 110 - 130 mm
982567.003	D 160, L 450	for pole diameter 125 - 150 mm
982101.003	D 170, L 450	for pole diameter 145 - 170 mm
982102.003	D 215, L 450	for pole diameter 170 - 195 mm



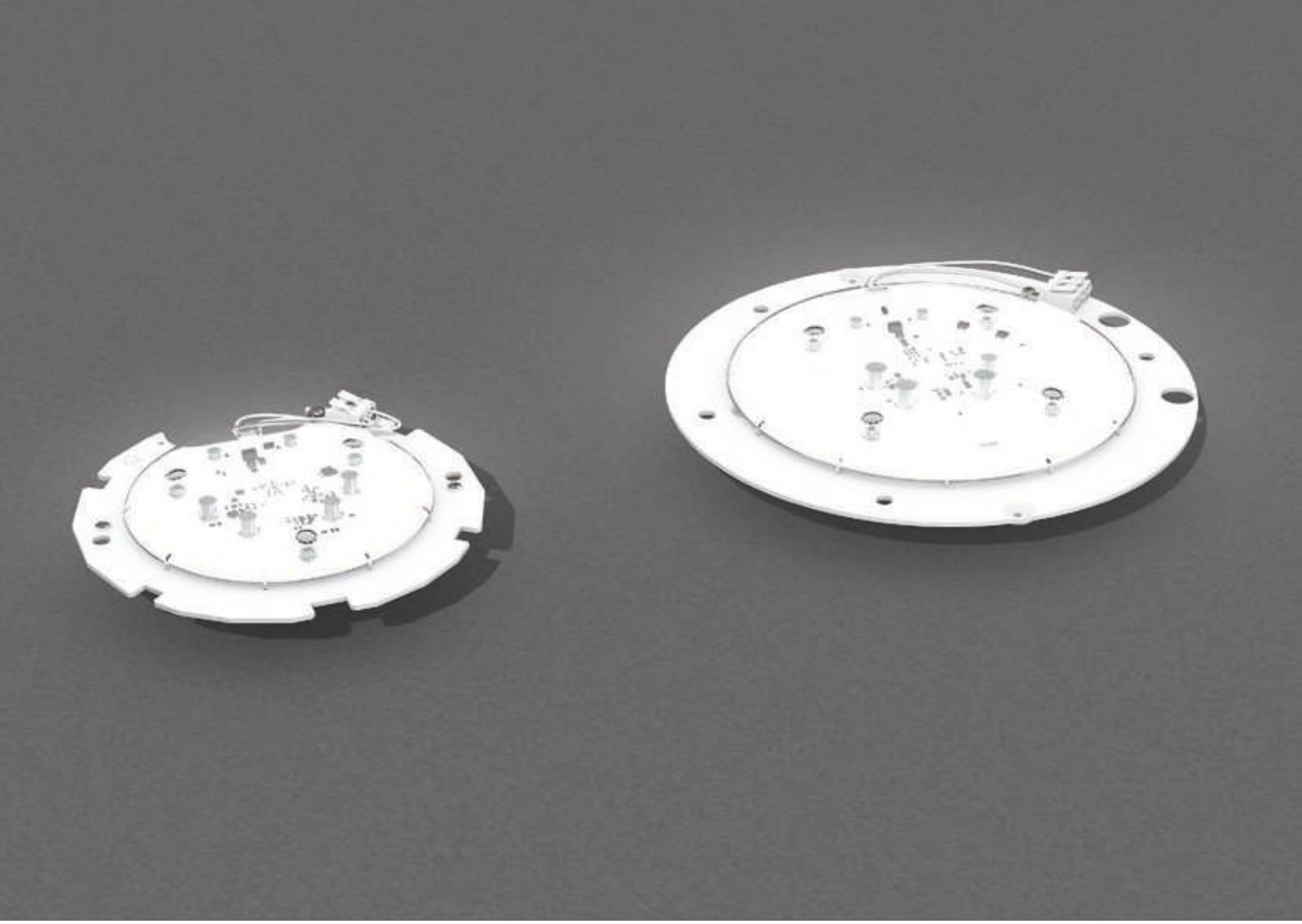
The application image shows:
Flat Kreis Glas

© Linus Lintner



LED conversion kits for
Indoor lighting
714-717

LED conversion kits for
Outdoor lighting
718-719



CONVERSION KITS WITH MAINS VOLTAGE LED

LED conversion kit

- Up to 90 percent energy savings
- Cost savings and environmental protection
- Easy and quick conversion to efficient LED luminaire
- No ballast needed
- Full illumination when switched on
- Ideal for movement sensors or timers

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Conversion kit for series:

DKN Kreis | DKN Classic | DKN Quadrat

LED conversion kit



Type of Protection: IP 20
Protection Class: I
Led rated life: 35,000 h (L70, B50)

Base plate, powder coated metal.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982066.012	L 93, B 74, H 21	LED [1]	830	600 lm	9 W	A+
982066.002	L 93, B 74, H 21	LED [1]	840	600 lm	9 W	A+

For series:

DKN Kreis	Ø 160 | Ø 250
DKN Classic	Ø 160 | Ø 250
DKN Quadrat	☐ 190 | ☐ 235



Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 60 W AGL (60 W)

LED conversion kit



Type of Protection: IP 20
Protection Class: I
Led rated life: 35,000 h (L70, B50)

Base plate, powder coated metal.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982067.012	L 165, B 143, H 23	LED [1]	830	1200 lm	18 W	A+
982067.002	L 165, B 143, H 23	LED [1]	840	1200 lm	18 W	A+

For series:

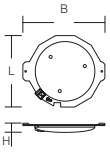
DKN Kreis	Ø 300
DKN Classic	Ø 300
DKN Quadrat	☐ 280



Comparison
LED vs. conventional lamps

LED 18 W ≈
1 x 100 W AGL (100 W)

LED conversion kit



Type of Protection: IP 20
Protection Class: I
Led rated life: 50,000 h (L70, B10)

Base plate, powder coated metal.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982068.012	L 241, B 210, H 27	LED [1]	830	1500 lm	13 W	A+
982068.002	L 241, B 210, H 27	LED [1]	840	1500 lm	13 W	A+

For series:

DKN Kreis	Ø 270
DKN Classic	Ø 400
DKN Quadrat	☐ 360

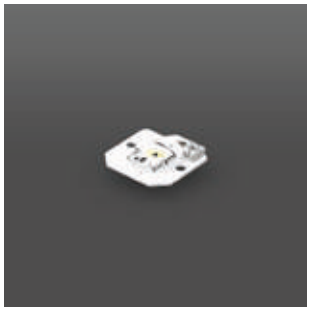


Comparison
LED vs. conventional lamps

LED 13 W ≈
1 x 100 W AGL (100 W)

Conversion kit for series (produced from 2005 on):

Flat Basic | Flat Kreis | Flat Polymero IP44 | Flat Crystal | Rechteck | Colonna IP44



LED conversion kit

Type of Protection: IP 20
Protection Class: I
Led rated life: 35,000 h (L70, B50)

Base plate, powder coated metal.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982172.002	L 107, B 104, H 21	LED [1]	830	600 lm	9 W	A | A+
982172.002.1	L 107, B 104, H 21	LED [1]	840	600 lm	9 W	A | A+

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 60 W GLS (60 W)

For series:

Flat Basic	Ø 200 | Ø 250
Flat Crystal	Ø 250

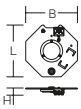


LED conversion kit

Type of Protection: IP 20
Protection Class: I
Led rated life: 50,000 h (L70, B50)

Base plate, powder coated metal.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982171.002	L 152, B 152, H 25	LED [1]	830	800 lm	9 W	A+ | A+
982171.002.1	L 152, B 152, H 25	LED [1]	840	800 lm	9 W	A+ | A+

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 75 W GLS (75 W)

For series:

Flat Basic	Ø 300
Flat Kreis (glass)	Ø 250
Flat Crystal	Ø 300

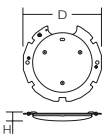


LED conversion kit

Type of Protection: IP 20
Protection Class: I
Led rated life: 50,000 h (L70, B10)

Base plate, powder coated metal.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982173.002	D 230, H 26	LED [1]	830	1500 lm	13 W	A+ | A+
982173.002.1	D 230, H 26	LED [1]	840	1500 lm	13 W	A+ | A+

Comparison
LED vs. conventional lamps

LED 13 W ≈
2 x 75 W GLS (150 W)
2 x 11 W TC-S (36 W KVG)

For series:

Flat Basic	Ø 370 | Ø 420
Flat Kreis (glass)	Ø 300
Flat Kreis (plastic)	Ø 262
Flat Polymero IP44	Ø 305
Flat Crystal	Ø 370

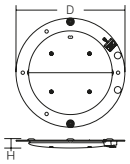
Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED [1]** = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

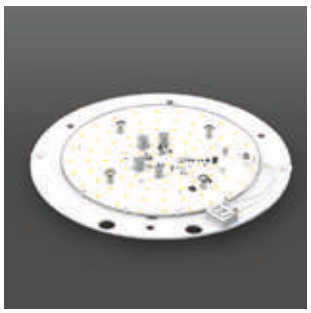
LED conversion kit

Type of Protection: IP 20
Protection Class: I
Led rated life: 50,000 h (L70, B10)

Base plate, powder coated metal.

Available colour: 2 = white





Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982174.002	D 320, H 27	LED [1]	830	2500 lm	21 W	A+ | A+
982174.002.1	D 320, H 27	LED [1]	840	2500 lm	21 W	A+ | A+

For series:

Flat Basic	Ø 500
Flat Kreis (glass)	Ø 500
Flat Kreis (plastic)	Ø 380
Flat Polymero IP44	Ø 420

Comparison
LED vs. conventional lamps

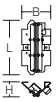
LED 21 W ≈
2 x 100 W GLS (200 W)
2 x 18 W TC-D (52 W CB)

LED conversion kit

Type of Protection: IP 20
Protection Class: I
Led rated life: 50,000 h (L80, B10)

Base plate, powder coated metal.

Available colour: 2 = white





Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit						**Price Category 11**
982175.002	L 164, B 87, H 44	LED	830	1200 lm	9 W	A++
982175.002.1	L 164, B 87, H 44	LED	840	1200 lm	9 W	A++

For series:

Rechteck (glass)	L 220
Rechteck (plastic)	L 215
Colonna IP44	L 245

Comparison
LED vs. conventional lamps

LED 9 W ≈
1 x 100 W GLS (100 W)
1 x 18 W TC-D (26 W CB)



CONVERSION KITS WITH MAINS VOLTAGE LED

LED conversion kit

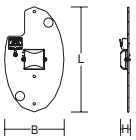
- Up to 90 percent energy savings
- Cost savings and environmental protection
- Easy and quick conversion to efficient LED luminaire
- No ballast needed
- Full illumination when switched on
- Ideal for movement sensors or timers

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Conversion kit for series:

Quad oval | Rounded superflach | Quattro superflach | Quad Hausnummernleuchten Kreis | Quadrat | Opalglas

LED conversion kit





Type of Protection: IP 20
Protection Class: I
Led rated life: 35,000 h (L70)
Base plate, powder coated metal.
Available colour: 2 = white

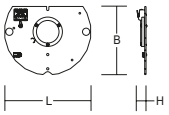
Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit upgrading E27 versions						**Price Category 12**
982032.002	L 229, B 129, H 20	LED [1]	840	600 lm	9 W	A+

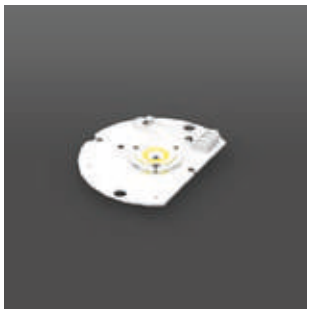
For series:
Quad oval ☐ 300 x 200

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 60 W AGL (60 W)

LED conversion kit





Type of Protection: IP 20
Protection Class: I
Led rated life: 45,000 h (L70)
Base plate, powder coated metal.
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit upgrading E27 versions						**Price Category 11**
982029.002	D 192, H 21	LED [1]	840	800 lm	8,5 W	A+

For series:
Rounded superflach Ø 270
Quattro superflach ☐ 270
Quad Ø 270

Comparison LED vs. conventional lamps

LED 8,5 W ≈
2 x 40 W AGL (80 W)

LED conversion kit with light-sensitiv switch



Type of Protection: IP 20
Protection Class: I
Led rated life: 35,000 h (L70)
Base plate, powder coated metal.
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminous Flux	System power	EEC
LED conversion kit upgrading E27 versions						**Price Category 11**
For house number luminaires						
982271.002.25	D 230, H 25	LED [1]	840	400 lm	4,5 W	A+
982270.002.25	L 152, B 152, H 25	LED [1]	840	400 lm	4,5 W	A+

For series:	**982271.002.25**	**982270.002.25**
Kreis with light-sensitive switch	Ø 230	Ø 280
Quadrat with light-sensitive switch	☐ 226, ☐ 240	☐ 270, ☐ 280
Alu-Quadrat with light-sensitive switch	☐ 240	☐ 280
Opal glass luminaires	☐ 260	

Comparison LED vs. conventional lamps

LED 4,5 W ≈
1 x 25 W AGL (25 W)
1 x 10 W TC-D (16 W KVG)



The application image shows:
GSUN S
Turia L
Centryxx W

© Jürg Knuchel


722

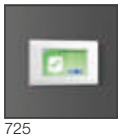
722

722

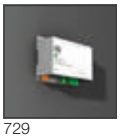
Central Power Supply (CPS)
Low Power Supply (LPS)
722


723

Log book
723


725


727


729


731

Self-contained monitoring systems
724-731

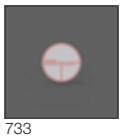

732


732


733


734

Self-contained technology
732-735


733

Circuit designation plates
733



LUXIFAIR
Central Power Supply (CPS)

- Mixed operation mode of all switching modes within one electric circuit
- A PC can be connected for free programming of all system and customer data
- Visulaisation over TCP/IP



RZB*basic*
Central Power Supply (CPS)

- Free programming of all system and customer data
- Circuit monitoring is optional
- Basic version with battery voltage 216 V,
  other battery voltages (24 V, 42 V, 48 V, 60 V, 110 V) on request



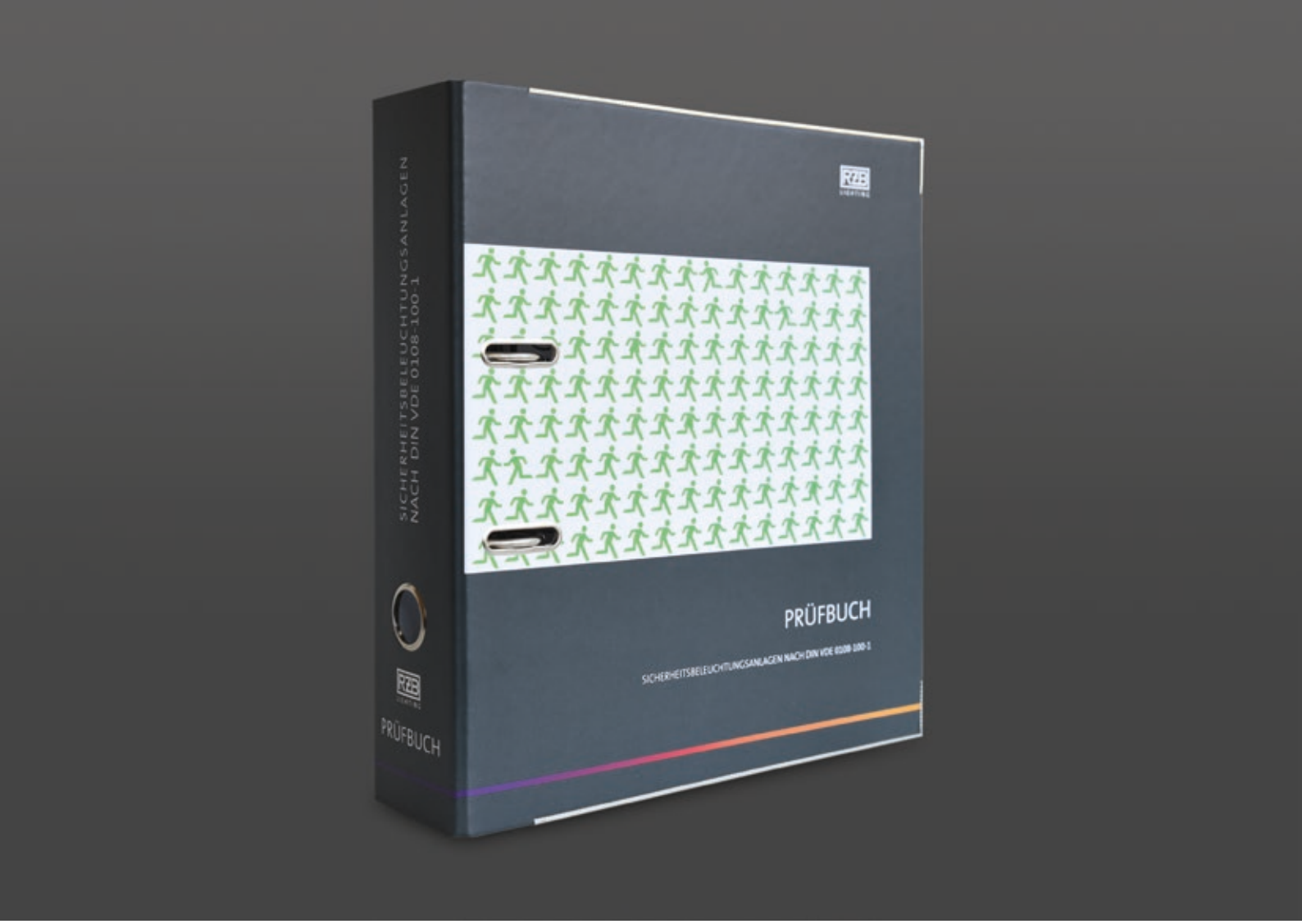
RZB KV 1500
Low Power Supply (LPS)

- Integrated freely selectable single luminaire or circuit monitoring, mixed operation mode
- Twin housing with battery compartment
- Programming software included

You will find the suitable system for your project, whether Low Power System (LPS) or Central Power System (CPS).

Contact us and we would be happy to support you.

Contact details in page 952



Test log for emergency lighting installation

Folder in RZB design in a wide version with mechanical system and edge protection. For keeping the emergency lighting test log required by DIN VDE 0108 Part 100. With index and inserts for a period of 4 years. In addition, papers for the documentation of the entire system can be added to the folder, for example plans and luminaire documentation.

The folder optionally contains a USB stick with the templates and the option of storing electronic test logs.

- Professional documentation of the emergency lighting installation
- Sufficient capacity for more than 10 years of test logs (inserts included for 4 years)
- Suitable for single and central battery systems
- Clear index
- Additional USB stick with digital print templates (optional)

Reference number	Dimensions		
Log book			**Price Category 30**
985578	L 290, B 80, H 315	without USB stick	
985578.1	L 290, B 80, H 315	with USB stick	





with USB stick



DALI INTERFACE

Monitoring system for up to 2 x 64 self-contained luminaires

- DALI monitoring units with touchscreen and logical menu guidance
- 2 circuits, with 64 luminaires each
- Automatic generation of detailed test record
- Execution of all mandatory controls at minimum costs
- Formation of groups
- System set up using software via USB
- Easy to install, setup and maintain
- Bus structure: star-shaped, linear and tree-shaped
- Control cable DC-isolated and polarity protected
- No specific bus line required
- Password protection
- Emergency lighting function disabled outside of normal operating hours
- No need to respect bus line polarity
- Network connection viaTCP/IP

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

DALI interface

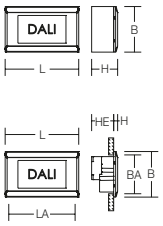
Type of Protection: IP 20

Self-contained luminaire monitoring system based on the DALI standard (IEC 62034 and IEC 62386). For central monitoring of 2 x 64 self-contained RZB emergency luminaires. Suitable for RZB self-contained luminaires with order suffix **.07**

Operation and monitoring via touch screen with logical menu navigation for easy handling or via PC with LAN (TCP/IP) with up to 64 monitoring systems.

The required PC software for monitoring and / or commissioning is included.

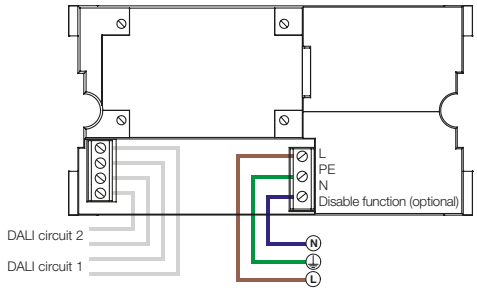
Available colour: white

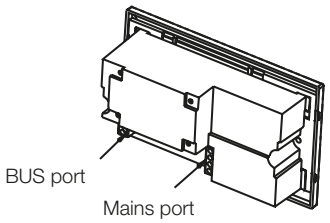




Reference number	Dimensions
Control system DALI	**Price Category 30**
Wall surface mounting / Wall recessed mounting	
985405.1	L 149, B 92, H 60

Rear view of DALI unit





Max. line length	Min. cross-section of bus line
150 m	0,75 mm²
200 m	1,0 mm²
300 m	1,5 mm²

Attention!

All modules and luminaires for **DALI** must have order suffix **.07**



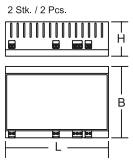
MULTIDIGIT®PLUS

Monitoring system for up to 7875 self-contained luminaires

- Plain-text reports of all malfunctions, with indication of failure location
- Error message logs
- Detailed information and control options for each single emergency luminaire
- Max. communication line length: 2 x 1,000 metres
- Communication line structure can be T-shaped, star-shaped, linear or even mixed. Polarity needs not to be considered.
- Ongoing system error logs
- Automatic generation of detailed system test log
- Can be extended to up to 7875 luminaires using an optional signal amplifier
- Execution of all mandatory emergency lighting system controls at minimum costs
- Password protection for system data changes
- The MultiDigit*plus* module can be queried by any intranet/internet compatible PC that is connected to the network via web navigator. To do this, no special software is required. In this process the data stored in MultiDigit*plus* are sent to the navigator via network, using the TCP-IP protocol. Any system failure will be immediately displayed in the navigation window. The integrated email function allows for sending a detailed error report to the system administrator. The network can be configured in such a way that the system can be addressed via internet.

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

MultiDigit*plus*





Type of Protection: IP 20
Protection Class: I

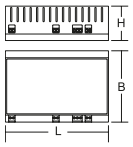
The MultiDigit*plus* system allows for permanent central monitoring of self-contained emergency luminaires. The emergency luminaires which report their momentary states via LAN network to a web browser based PC, which evaluates and controls the entire system. An immediate and clear overview of the entire system can thus be provided and used for determining the operational readiness of the emergency lighting system. No special software is required. 125 self-contained emergency luminaires can be installed according to the general circuit diagram indicated below. When used in conjunction with signal amplifiers, the MultiDigit*plus* system can monitor up to 7,875 luminaires. Up to 63 signal amplifiers can be used. The communication line does not need to comply with any particular requirements; its structure can be T-shaped, star-shaped, linear or even mixed. Bus line polarity needs not to be considered.

Monitoring system for RZB self-contained luminaires with **.04** coding

Available colour: grey

Reference number	Dimensions	
Starter-Set MultiDigit*plus*		**Price Category 30**
981935.000	L 155, B 75, H 120	

Signal amplifier





Type of Protection: IP 20
Protection Class: I

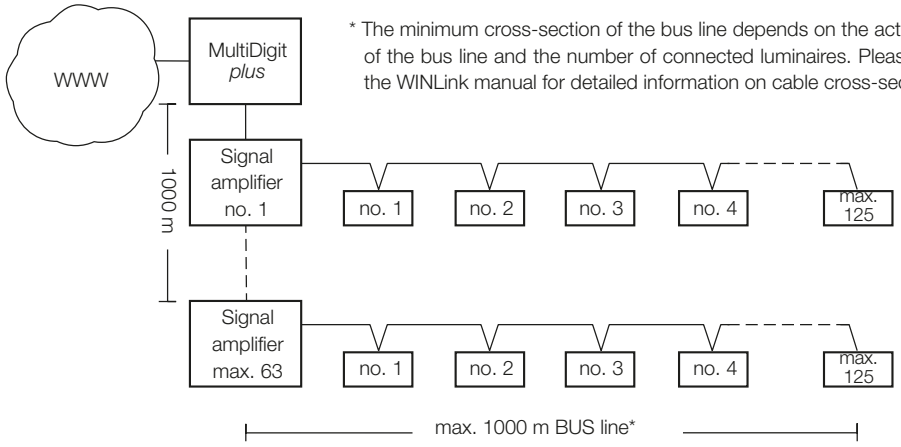
For connection of further 125 RZB luminaires with **.04** coding

Type of installation: DIN profile track

Available colour: grey

Reference number	Dimensions	
Signal amplifier		**Price Category 30**
671148.000	L 155, B 75, H 120	

General circuit diagram for the MultiDigit*plus* monitoring system



* The minimum cross-section of the bus line depends on the actual length of the bus line and the number of connected luminaires. Please consult the WINLink manual for detailed information on cable cross-sections.

No. of luminaires per line	Max. line length	Min. cross-section of bus line
40	1000 m	0,5 mm²
80	1000 m	1,0 mm²
125	1000 m	1,5 mm²

Attention!

All modules and luminaires for **MultiDigit *plus*** must have order suffix **.04**



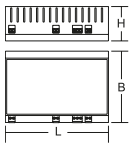
MWEBPLUS

Monitoring system for up to 125 self-contained luminaires

- Automatic system configuration
- Plain-text reports of all malfunctions, with indication of failure location
- Coordination of self-test activation of all self-contained emergency luminaires
- Error message logs
- Detailed information and control options for each single emergency luminaire
- Maximum length of the communication line 1000 metres
- Communication line structure can be T-shaped, star-shaped, linear or even mixed. Polarity needs not to be considered.
- Ongoing system error logs
- Automatic generation of detailed system test log
- Max. 125 luminaires
- Execution of all mandatory emergency lighting system controls at minimum costs
- Password protection for system data changes

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

MWEB*plus*





Type of Protection: IP 20
Protection Class: I

With the MWEB*plus* system, it is possible to constantly monitor single-battery safety luminaires from a central location. The emergency luminaires which report their momentary states via LAN network to a web browser based PC, which evaluates and controls the entire system. 125 self-contained emergency luminaires can be installed according to the general circuit diagram indicated below. When used in conjunction with signal amplifiers, the MultiDigit*plus* system can monitor up to 7,875 luminaires. Up to 63 signal amplifiers can be used. The communication line does not need to comply with any particular requirements; its structure can be T-shaped, star-shaped, linear or even mixed. Bus line polarity needs not to be considered.

The address of the signal amplifier for the safety luminaires is stored in a microcontroller and must therefore be provided when the system is ordered. Operation in connection with briefing of operating staff by an RZB employee is available at a cost.

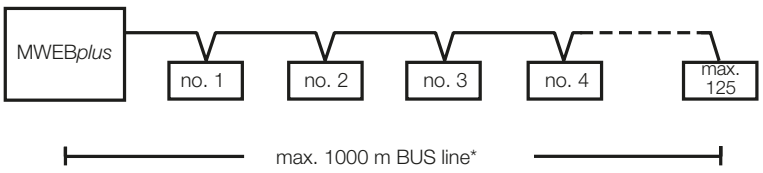
If you have any technical queries or you require support for your planning, please contact your sales office.

Monitoring system for RZB self-contained luminaires with **.04** coding

Available colour: grey

Reference number	Dimensions	
MWEB*plus* monitoring module		**Price Category 30**
671823.000	L 160, B 110, H 53	

General circuit diagram for the MWEB*plus* monitoring system



No. of luminaires per line	Max. line length	Min. cross-section of bus line
40	1000 m	0,5 mm²
80	1000 m	1,0 mm²
125	1000 m	1,5 mm²

* The minimum cross-section of the bus line depends on the actual length of the bus line and the number of connected luminaires.

Attention!
All modules and luminaires for **MWEB*plus*** must have order suffix **.04**



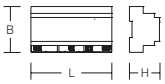
MULTIDIGIT® S63

Monitoring system for up to 63 self-contained luminaires

- Continuous central local monitoring of all emergency luminaires
- Simple and clear system structure
- Automatic function tests
- Easy log book keeping
- Easy to install
- Execution of all mandatory controls at minimum costs
- Collective error display on the monitoring unit
- Detailed error readout via USB
- Up to 63 luminaires can be monitored
- Max. bus cable length: 1,000 m

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

MultiDigit S63





Type of Protection: IP 20
Protection Class: I

Supply voltage: 230 V / 50/60 Hz
Alarm delay: 10 seconds
Type of installation: DIN profile track
Max. BUS cable length: 1,000 m
Max. number of luminaires that can be monitored: 63
Potential-free contact: 230 V AC / 5 A, 24 V DC / 5 A

The MultiDigit S63 is a component of the MultiDigit emergency lighting system, which is employed for emergency luminaires monitoring. Each system can monitor up to 63 emergency luminaires. The MultiDigit S63 can be linked to a module for collective alarm transmission to a building control system.

The MultiDigit S63 is supplied with a universal adaptor for DIN track systems, which allows for easy attachment of the MultiDigit S63 to the mounting track. This allows the housing to be simply snapped onto the mounting rail. Terminal blocks are available for connecting the MultiDigit S63 to the communication cable. Plug terminals, which allow for connection of wires and cables ranging from 0.6 mm^2 to 1.0 mm^2, for connecting the MultiDigit S63 to the communication line are included.

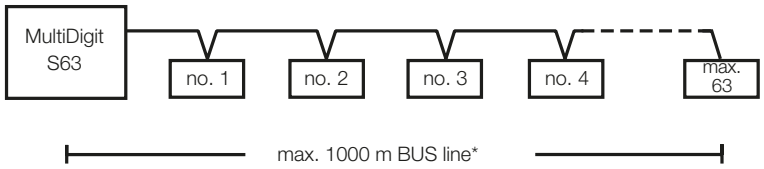
The MultiDigit S63 is connected to a PC via a USB interface. A PC software allows for entering the connected emergency elements in the configuration. Later on this link is necessary for individual luminaire status control; it is, however, not required for collective error messages.

Monitoring system for RZB self-contained luminaires with **.04** coding

Available colour: grey

Reference number	Dimensions	
Überwachungssystem mit MultiDigit S63		**Price Category 30**
981796.000	L 158, B 90, H 58	

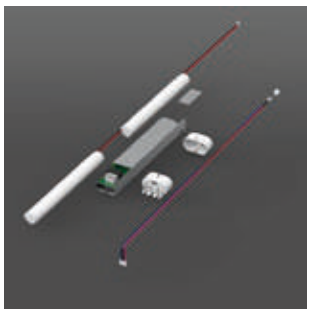
General circuit diagram for the MultiDigit S63 monitoring system



No. of luminaires per line	Max. line length	Min. cross-section of bus line
40	1000 m	0,5 mm^2
63	1000 m	1,0 mm^2

* The minimum cross-section of the bus line depends on the actual length of the bus line and the number of connected luminaires.

Attention!
All modules and luminaires for **MultiDigit S63** must have order suffix **.04**



Emergency conversion kits | LEH

Type of Protection: IP 20
Protection Class: I

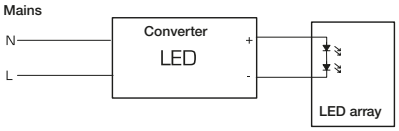
Emergency light kit for LED

Consisting of emergency light module in metal housing and battery. With status display. Operation in maintained and non-maintained modes possible. Display of the test results over multicolored status LED. Suitable for use according to VDE 0108-100 / EN 50172.

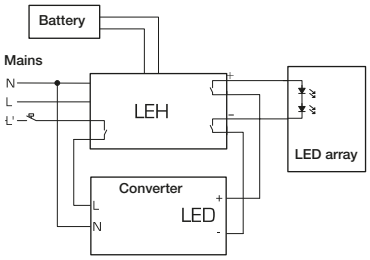
Reference number	Dimensions	Output Voltage	No Load Voltage		Battery	Monitoring
Emergency conversion kits						**Price Category 23**
09-6555.040	L 210, B 32, H 22	12-50 V	60 V	3 h	NiMh	for autotest
09-6555.050	L 210, B 32, H 22	12-50 V	60 V	3 h	NiMh	for MultiDigit
09-6555.060	L 210, B 32, H 22	12-50 V	60 V	3 h	NiMh	for DALI
09-6556.040	L 210, B 32, H 22	20-130 V	150 V	3 h	NiMh	for autotest
09-6556.050	L 210, B 32, H 22	20-130 V	150 V	3 h	NiMh	for MultiDigit
09-6556.060	L 210, B 32, H 22	20-130 V	150 V	3 h	NiMh	for DALI
09-6557.040	L 210, B 32, H 22	100-220 V	250 V	3 h	NiMh	for autotest
09-6557.050	L 210, B 32, H 22	100-220 V	250 V	3 h	NiMh	for MultiDigit
09-6557.060	L 210, B 32, H 22	100-220 V	250 V	3 h	NiMh	for DALI

LED self-contained emergency conversion kits | Connecting diagrams

Standard LED luminaire

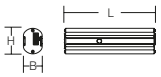


Wiring LED luminaire with emergency module





Self-contained power supply units | Powerbox 3



Type of Protection: IP 20
Protection Class: I

Single battery supply unit for the supply of one LED emergency luminaire according to DIN EN 60598 2-22 for 3 or 8 h

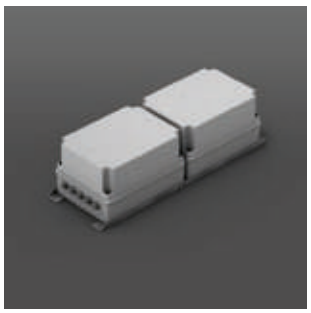
For insertion in a false ceiling or for remote installation. Easy assembly by professional connectors. Can be used up to 2 meters from the luminaire. LEHF module with pluggable battery.

Available colour: 2 = white

Reference number	Dimensions	Output Voltage		Battery	Monitoring
Self-contained power supply units					**Price Category 23**
982244.002	L 273, B 55, H 75	12-50 V	3 h	NiMh	for autotest
982244.002.04	L 273, B 55, H 75	12-50 V	3 h	NiMh	for MultiDigit
982244.002.07	L 273, B 55, H 75	12-50 V	3 h	NiMh	for DALI
982248.002	L 273, B 55, H 75	12-50 V	**8 h**	NiMh	for autotest
982248.002.04	L 273, B 55, H 75	12-50 V	**8 h**	NiMh	for MultiDigit
982248.002.07	L 273, B 55, H 75	12-50 V	**8 h**	NiMh	for DALI
982245.002	L 273, B 55, H 75	20-130 V	3 h	NiMh	for autotest
982245.002.04	L 273, B 55, H 75	20-130 V	3 h	NiMh	for MultiDigit
982245.002.07	L 273, B 55, H 75	20-130 V	3 h	NiMh	for DALI
982249.002	L 273, B 55, H 75	20-130 V	**8 h**	NiMh	for autotest
982249.002.04	L 273, B 55, H 75	20-130 V	**8 h**	NiMh	for MultiDigit
982249.002.07	L 273, B 55, H 75	20-130 V	**8 h**	NiMh	for DALI
982246.002	L 273, B 55, H 75	100-220 V	3 h	NiMh	for autotest
982246.002.04	L 273, B 55, H 75	100-220 V	3 h	NiMh	for MultiDigit
982246.002.07	L 273, B 55, H 75	100-220 V	3 h	NiMh	for DALI
982250.002	L 273, B 55, H 75	100-220 V	**8 h**	NiMh	for autotest
982250.002.04	L 273, B 55, H 75	100-220 V	**8 h**	NiMh	for MultiDigit
982250.002.07	L 273, B 55, H 75	100-220 V	**8 h**	NiMh	for DALI

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.
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The values indicated for power and luminous flux are rated values

Self-contained power supply units | PGVG 200



Type of Protection: **IP 33**
Protection Class: I

PGVG 200 is a self-contained emergency power supply unit pursuant to DIN EN 60598-2-22 for operating 1 or 2 luminaires over an operating period of 1 or 3 hours.

Electronic module with charging device, 2 mains monitors, 2 changeover facilities, DC-DC converter, 2 lighting circuits, deep discharge protection disconnection and automatic self-monitoring.

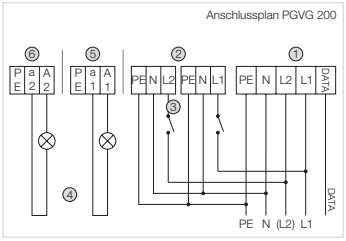
Non-maintained or maintained power mode of the luminaires. Separate luminaire inputs and outputs as well as control inputs for switching the luminaires by lighting circuit in mains mode.

The battery is charged via input 1. In the event of a power failure on input 1 and/or input 2, the charging process will be interrupted and output 1 and/or 2 will be powered by the battery. Upon return of the mains power supply, the device switches back from battery to mains operation mode with a delay of 10 seconds.
In mains mode, the luminaires can be individually switched from non-maintained to maintained mode via control input 1 and control input 2.
The device switches off automatically in case of overheat, overload or short circuit during battery mode. The standard self-monitoring function provides for automatic weekly function tests (charging device, changeover facility and lighting circuits) as well as yearly service life tests (battery capacity). The luminaires will be controlled by a self-adjusting rating monitor. A display and foil button indicate operating states and malfunctions and allow for manual activation of function tests. Collective errors can be forwarded to an external alarm system via an alarm output. Battery device with maintenance-free, sealed Pb battery (service life: 6 – 9 years according to EUROBAT). The battery installation must comply with the manufacturer's instructions. The battery must always be positioned with the pole pointing vertically upwards. Luminaire 4 can be connected to terminals 5/6. The minimum wattage for lamp monitoring is 13 W per output.

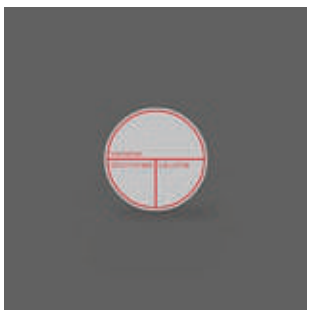
Battery and electronics are incorporated in separate housings according to DIN EN 50272-2.
Battery device with ventilation opening. Screwed housing can be folded open laterally. Wiring through cable ducts.

Available colour: grey

Reference number	Dimensions	Wattage 1 h	Wattage 3 h	Battery	Monitoring
Self-contained power supply units					**Price Category 30**
PGVG200-7-DC-G					
981502.000	L 670, B 206, H 190	34 W	15 W	Pb	for autotest
981502.000.04	L 670, B 206, H 190	34 W	15 W	Pb	for MultiDigit
PGVG200-12-DC-G					
981504.000	L 670, B 206, H 190	60 W	25 W	Pb	for autotest
981504.000.04	L 670, B 206, H 190	60 W	25 W	Pb	for MultiDigit
PGVG200-18-DC-G					
981506.000	L 670, B 206, H 190	90 W	40 W	Pb	for autotest
981506.000.04	L 670, B 206, H 190	90 W	40 W	Pb	for MultiDigit
PGVG200-24-DC-G					
981508.000	L 670, B 240, H 190	115 W	50 W	Pb	for autotest
981508.000.04	L 670, B 240, H 190	115 W	50 W	Pb	for MultiDigit
PGVG200-45-DC-G					
981510.000	L 740, B 340, H 190	183 W	95 W	Pb	for autotest
981510.000.04	L 740, B 340, H 190	183 W	95 W	Pb	for MultiDigit
PGVG200-90-DC-G					
981512.000	L 740, B 340, H 190	200 W	190 W	Pb	for autotest
981512.000.04	L 740, B 340, H 190	200 W	190 W	Pb	for MultiDigit



Accessories | Circuit designation plates



Circuit label 3-part according to DIN VDE 0108-100 for sticking onto the luminaire or a suitable substrate.
One strip contains 10 labels for labelling distributor, circuit and luminaire numbers.

Reference number	Dimensions	
Circuit designation plates		**Price Category 24**
99350.3	D 35	





Self-contained power supply units | Powerbox 15

Type of Protection: IP 56
Protection Class: II

Mains power: 230 V; 50 Hz
Output voltage: 230 V AC (mains operation), 210 V DC (battery operation)
Permissible ambient temperature: +5 to +35 °C

The Powerbox 15 is an emergency power supply unit, which uses the single battery principle in accordance with DIN EN 60598

In the event of a mains failure, the Powerbox 15 is in a position to supply a maximum of 2 luminaires with a voltage of 210 V DC and a total wattage of up to 12 W for up to 3 hrs. Luminaires with higher wattage may be supplied with power if their total wattage is reduced to 12 W by means of suitable dimmable ballasts (digital or analogue with 1-10 V control input) with a connected voltage of 210 V DC (emergency operation). The connected luminaires can be operated optionally in maintained or non-maintained power mode.

The high output voltage makes it possible to supply the luminaires from a distance of up to 500 metres. The Powerbox 15 emergency power supply unit can thus be installed in a location that allows easy, trouble-free maintenance. With bus connection for MultiDigit monitoring systems for passing on a group malfunction for the Powerbox 15.

Available colour: 9 = grey

Reference number	Dimensions	Monitoring
Self-contained power supply units		**Price Category 30**
672232.009	L 100, B 200, H 250	for autotest
672232.009.04	L 100, B 200, H 250	for MultiDigit

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



The application image shows:
Halyxx

© Fotostudio Stoll



The application image shows:
Signcube
GSUN S

© Linus Lintner



EMERGENCY LIGHTING | Escape route identification

Tenuo
740-747


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Halyxx
748-751


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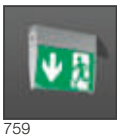
GSUN S
Universal S
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GSUN RS
Universal RS
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GSUN D
Universal D
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Centryxx D
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Centryxx D RZ
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Multivariabel
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Minisign
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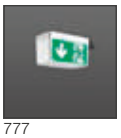
Varioplast I
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Varioplast II
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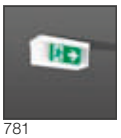

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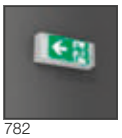
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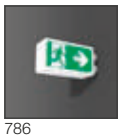
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Universal 3
776-779

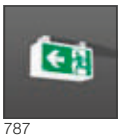

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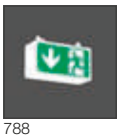

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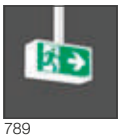
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Universal 4
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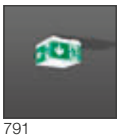

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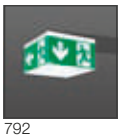

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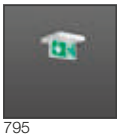

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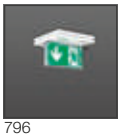
Rechteck
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Signcube
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Centryxx RZ
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Turia RZ
798-799



SCL CBS

product design award 2011

reddot design award winner 2011

German Design Award 2012 NOMINEE

TENUO®

Wall luminaires, Recessed wall luminaires, Extensions, Ceiling luminaires, Recessed ceiling luminaires, Pendant luminaires

- The ultra-flat exit sign luminaire with highly efficient LED technology
- One-piece aluminium frame made of quality brushed anodised aluminium
- Specially calculated thermal management
- LED rated life 50,000 h
- Exceptionally high luminance of over 900 cd/m^2
- Uniformly lit legend panel thanks to use of patented MicroLens technology

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005


3113


3114


3116


3115

Special legends on request


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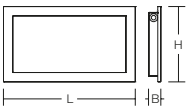

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Wall luminaires | Tenuo





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legend on one side.

Please indicate legend number when placing your order!

Available colour: 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

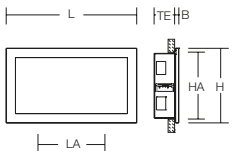
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
671944.004	L 350, B 33, H 200	30 m	4,8 W	NiCd	3 h	autotest
671944.004.04	L 350, B 33, H 200	30 m	4,8 W	NiCd	3 h	MultiDigit
671944.004.07	L 350, B 33, H 200	30 m	4,8 W	NiCd	3 h	DALI-Sibe
672005.004	L 350, B 33, H 200	30 m	4,8 W	NiCd	**8 h**	autotest
672005.004.04	L 350, B 33, H 200	30 m	4,8 W	NiCd	**8 h**	MultiDigit
672005.004.07	L 350, B 33, H 200	30 m	4,8 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
671923.004	L 350, B 33, H 200	30 m	3,8 W	without battery		standard
671923.004.89	L 350, B 33, H 200	30 m	4,8 W	without battery		AC-Control



Recessed wall luminaires | Tenuo



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legend on one side.

Please indicate legend number when placing your order!

Available colour: 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB



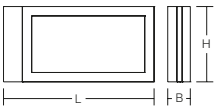
Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Wall cutout LA 175 x BA 175 mm, TE 70 mm						
671943.004	L 350, B 11, H 200	30 m	4,8 W	NiCd	3 h	autotest
671943.004.04	L 350, B 11, H 200	30 m	4,8 W	NiCd	3 h	MultiDigit
671943.004.07	L 350, B 11, H 200	30 m	4,8 W	NiCd	3 h	DALI-Sibe
672004.004	L 350, B 11, H 200	30 m	4,8 W	NiCd	**8 h**	autotest
672004.004.04	L 350, B 11, H 200	30 m	4,8 W	NiCd	**8 h**	MultiDigit
672004.004.07	L 350, B 11, H 200	30 m	4,8 W	NiMh	**8 h**	DALI-Sibe



Luminaires for central battery system						**Price Category 24**
Wall cutout LA 175 mm x BA 175 mm						
671922.004	L 350, B 11, H 200	30 m	3,8 W	without battery		standard
671922.004.89	L 350, B 11, H 200	30 m	4,8 W	without battery		AC-Control

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Extensions | Tenuo





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides.

Please indicate legend number when placing your order!

Available colour: 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
with motif on one side only						
672040.004	L 400, B 100, H 200	30 m	7,1 W	NiCd	3 h	autotest
672040.004.04	L 400, B 100, H 200	30 m	7,1 W	NiCd	3 h	MultiDigit
672040.004.07	L 400, B 100, H 200	30 m	7,1 W	NiCd	3 h	DALI-Sibe
672041.004	L 400, B 100, H 200	30 m	7,1 W	NiCd	**8 h**	autotest
672041.004.04	L 400, B 100, H 200	30 m	7,1 W	NiCd	**8 h**	MultiDigit
672041.004.07	L 400, B 100, H 200	30 m	7,1 W	NiMh	**8 h**	DALI-Sibe
with motifs on both sides						
671945.004	L 400, B 100, H 200	30 m	7,1 W	NiCd	3 h	autotest
671945.004.04	L 400, B 100, H 200	30 m	7,1 W	NiCd	3 h	MultiDigit
671945.004.07	L 400, B 100, H 200	30 m	7,1 W	NiCd	3 h	DALI-Sibe
672006.004	L 400, B 100, H 200	30 m	7,1 W	NiCd	**8 h**	autotest
672006.004.04	L 400, B 100, H 200	30 m	7,1 W	NiCd	**8 h**	MultiDigit
672006.004.07	L 400, B 100, H 200	30 m	7,1 W	NiMh	**8 h**	DALI-Sibe

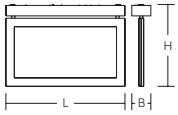


Luminaires for central battery system						**Price Category 24**
with motif on one side only						
672039.004	L 400, B 100, H 200	30 m	6,1 W	without battery		standard
672039.004.89	L 400, B 100, H 200	30 m	7,1 W	without battery		AC-Control
with motifs on both sides						
671938.004	L 400, B 100, H 200	30 m	6,1 W	without battery		standard
671938.004.89	L 400, B 100, H 200	30 m	7,1 W	without battery		AC-Control





Ceiling luminaires | Tenuo



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides.

Please indicate legend number when placing your order!

Available colour: 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

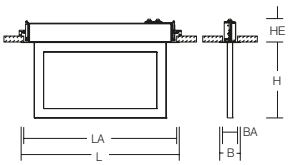
Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
with motif on one side only						
672033.004	L 350, B 56, H 240	30 m	4,8 W	NiCd	3 h	autotest
672033.004.04	L 350, B 56, H 240	30 m	4,8 W	NiCd	3 h	MultiDigit
672033.004.07	L 350, B 56, H 240	30 m	4,8 W	NiCd	3 h	DALI-Sibe
672042.004	L 350, B 56, H 240	30 m	4,8 W	NiCd	**8 h**	autotest
672042.004.04	L 350, B 56, H 240	30 m	4,8 W	NiCd	**8 h**	MultiDigit
672042.004.07	L 350, B 56, H 240	30 m	4,8 W	NiMh	**8 h**	DALI-Sibe
with motifs on both sides						
671946.004	L 350, B 56, H 240	30 m	7,1 W	NiCd	3 h	autotest
671946.004.04	L 350, B 56, H 240	30 m	7,1 W	NiCd	3 h	MultiDigit
671946.004.07	L 350, B 56, H 240	30 m	7,1 W	NiCd	3 h	DALI-Sibe
672007.004	L 350, B 56, H 240	30 m	7,1 W	NiCd	**8 h**	autotest
672007.004.04	L 350, B 56, H 240	30 m	7,1 W	NiCd	**8 h**	MultiDigit
672007.004.07	L 350, B 56, H 240	30 m	7,1 W	NiMh	**8 h**	DALI-Sibe

CBS

Luminaires for central battery system						**Price Category 24**
with motif on one side only						
672029.004	L 350, B 56, H 240	30 m	3,8 W	without battery		standard
672029.004.89	L 350, B 56, H 240	30 m	4,8 W	without battery		AC-Control
with motifs on both sides						
671939.004	L 350, B 56, H 240	30 m	6,1 W	without battery		standard
671939.004.89	L 350, B 56, H 240	30 m	7,1 W	without battery		AC-Control

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Recessed ceiling luminaires | Tenuo





Type of Protection: **IP 40**, IP 20 (above the ceiling)
Protection Class: I
Ceiling Thickness: 5-35 mm
Impact Protection: IK03

For escape route identification

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides.

Please indicate legend number when placing your order!

Available colour: 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

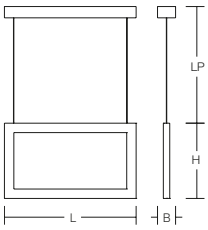
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Ceiling cut out LA 400 x BA 40 mm, HE 60 mm						
with motif on one side only						
672034.004	L 420, B 55, H 202	30 m	4,8 W	NiCd	3 h	autotest
672034.004.04	L 420, B 55, H 202	30 m	4,8 W	NiCd	3 h	MultiDigit
672034.004.07	L 420, B 55, H 202	30 m	4,8 W	NiCd	3 h	DALI-Sibe
672043.004	L 420, B 55, H 202	30 m	4,8 W	NiCd	**8 h**	autotest
672043.004.04	L 420, B 55, H 202	30 m	4,8 W	NiCd	**8 h**	MultiDigit
672043.004.07	L 420, B 55, H 202	30 m	4,8 W	NiMh	**8 h**	DALI-Sibe
with motifs on both sides						
671947.004	L 420, B 55, H 202	30 m	7,1 W	NiCd	3 h	autotest
671947.004.04	L 420, B 55, H 202	30 m	7,1 W	NiCd	3 h	MultiDigit
671947.004.07	L 420, B 55, H 202	30 m	7,1 W	NiCd	3 h	DALI-Sibe
672008.004	L 420, B 55, H 202	30 m	7,1 W	NiCd	**8 h**	autotest
672008.004.04	L 420, B 55, H 202	30 m	7,1 W	NiCd	**8 h**	MultiDigit
672008.004.07	L 420, B 55, H 202	30 m	7,1 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
Ceiling cut out LA 400 x BA 40 mm, HE 90 mm						
with motif on one side only						
672030.004	L 420, B 55, H 202	30 m	3,8 W	without battery		standard
672030.004.89	L 420, B 55, H 202	30 m	4,8 W	without battery		AC-Control
with motifs on both sides						
671940.004	L 420, B 55, H 202	30 m	6,1 W	without battery		standard
671940.004.89	L 420, B 55, H 202	30 m	7,1 W	without battery		AC-Control



Pendant luminaires | Tenuo



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03
Suspension Length: 500 mm

For escape route identification

Housing: anodised aluminium, silver. Display panel: patented MicroLens technology and legends on one side/both sides.

Please indicate legend number when placing your order!

Available colour: 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
with motif on one side only						
With pendant tube						
672035.004	L 350, B 56, H 200	30 m	4,8 W	NiCd	3 h	autotest
672035.004.04	L 350, B 56, H 200	30 m	4,8 W	NiCd	3 h	MultiDigit
672035.004.07	L 350, B 56, H 200	30 m	4,8 W	NiCd	3 h	DALI-Sibe
672044.004	L 350, B 56, H 200	30 m	4,8 W	NiCd	**8 h**	autotest
672044.004.04	L 350, B 56, H 200	30 m	4,8 W	NiCd	**8 h**	MultiDigit
672044.004.07	L 350, B 56, H 200	30 m	4,8 W	NiMh	**8 h**	DALI-Sibe
With steel cable suspension						
672036.004	L 350, B 56, H 200	30 m	4,8 W	NiCd	3 h	autotest
672036.004.04	L 350, B 56, H 200	30 m	4,8 W	NiCd	3 h	MultiDigit
672036.004.07	L 350, B 56, H 200	30 m	4,8 W	NiCd	3 h	DALI-Sibe
672045.004	L 350, B 56, H 200	30 m	4,8 W	NiCd	**8 h**	autotest
672045.004.04	L 350, B 56, H 200	30 m	4,8 W	NiCd	**8 h**	MultiDigit
672045.004.07	L 350, B 56, H 200	30 m	4,8 W	NiMh	**8 h**	DALI-Sibe
with motifs on both sides						
With pendant tube						
671948.004	L 350, B 56, H 200	30 m	7,1 W	NiCd	3 h	autotest
671948.004.04	L 350, B 56, H 200	30 m	7,1 W	NiCd	3 h	MultiDigit
671948.004.07	L 350, B 56, H 200	30 m	7,1 W	NiCd	3 h	DALI-Sibe
672009.004	L 350, B 56, H 200	30 m	7,1 W	NiCd	**8 h**	autotest
672009.004.04	L 350, B 56, H 200	30 m	7,1 W	NiCd	**8 h**	MultiDigit
672009.004.07	L 350, B 56, H 200	30 m	7,1 W	NiMh	**8 h**	DALI-Sibe
With steel cable suspension						
671949.004	L 350, B 56, H 200	30 m	7,1 W	NiCd	3 h	autotest
671949.004.04	L 350, B 56, H 200	30 m	7,1 W	NiCd	3 h	MultiDigit
671949.004.07	L 350, B 56, H 200	30 m	7,1 W	NiCd	3 h	DALI-Sibe
672010.004	L 350, B 56, H 200	30 m	7,1 W	NiCd	**8 h**	autotest
672010.004.04	L 350, B 56, H 200	30 m	7,1 W	NiCd	**8 h**	MultiDigit
672010.004.07	L 350, B 56, H 200	30 m	7,1 W	NiMh	**8 h**	DALI-Sibe

CBS

Luminaires for central battery system						**Price Category 24**
with motif on one side only						
With pendant tube						
672031.004	L 350, B 56, H 200	30 m	3,8 W	without battery		standard
672031.004.89	L 350, B 56, H 200	30 m	4,8 W	without battery		AC-Control
With steel cable suspension						
672032.004	L 350, B 56, H 200	30 m	3,8 W	without battery		standard
672032.004.89	L 350, B 56, H 200	30 m	4,8 W	without battery		AC-Control
with motifs on both sides						
With pendant tube						
671941.004	L 350, B 56, H 200	30 m	6,1 W	without battery		standard
671941.004.89	L 350, B 56, H 200	30 m	7,1 W	without battery		AC-Control
With steel cable suspension						
671942.004	L 350, B 56, H 200	30 m	6,1 W	without battery		standard
671942.004.89	L 350, B 56, H 200	30 m	7,1 W	without battery		AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Tenuo



SCL CBS

HALYXX®

Wall luminaires, Ceiling luminaires, Recessed ceiling luminaires

- Escape sign luminaire with highly efficient LED technology
- Housing made of top quality aluminium
- High quality and elegant design
- Specially calculated thermal management
- LED rated life 50,000 h
- Wide range of applications thanks to various types of installation
- Easy to install

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005


3113


3114


3116


3115

Special legends on request


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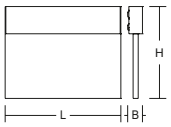

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Halyxx





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing extruded aluminium profile anodised or powder-coated.
Display panel: highly transparent plastic, with motifs on one side.

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Display panel: plastic 170 x 100 mm						
671501.00X	L 233, B 40, H 180	14 m	4,7 W	NiCd	3 h	autotest
671501.00X.04	L 233, B 40, H 180	14 m	4,7 W	NiCd	3 h	MultiDigit
671501.00X.07	L 233, B 40, H 180	14 m	4,7 W	NiCd	3 h	DALI-Sibe
Display panel: plastic 235 x 140 mm						
671746.00X	L 235, B 40, H 220	19 m	4,7 W	NiCd	3 h	autotest
671746.00X.04	L 235, B 40, H 220	19 m	4,7 W	NiCd	3 h	MultiDigit
671746.00X.07	L 235, B 40, H 220	19 m	4,7 W	NiCd	3 h	DALI-Sibe
671895.00X	L 235, B 40, H 220	19 m	4,7 W	NiCd	**8 h**	autotest
671895.00X.04	L 235, B 40, H 220	19 m	4,7 W	NiCd	**8 h**	MultiDigit
Display panel: plastic 340 x 190 mm						
671748.00X	L 340, B 40, H 270	30 m	5,8 W	NiCd	3 h	autotest
671748.00X.04	L 340, B 40, H 270	30 m	5,8 W	NiCd	3 h	MultiDigit
671748.00X.07	L 340, B 40, H 270	30 m	5,8 W	NiCd	3 h	DALI-Sibe
671912.00X	L 340, B 40, H 270	30 m	5,8 W	NiCd	**8 h**	autotest
671912.00X.04	L 340, B 40, H 270	30 m	5,8 W	NiCd	**8 h**	MultiDigit
671912.00X.07	L 340, B 40, H 270	30 m	5,8 W	NiMh	**8 h**	DALI-Sibe

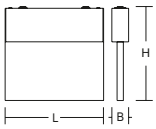


Luminaires for central battery system						**Price Category 24**
Display panel: plastic 170 x 100 mm						
671503.00X	L 233, B 40, H 180	14 m	3,7 W	without battery		standard
671503.00X.89	L 233, B 40, H 180	14 m	4,7 W	without battery		AC-Control
Display panel: plastic 235 x 140 mm						
671738.00X	L 235, B 40, H 220	19 m	3,7 W	without battery		standard
671738.00X.89	L 235, B 40, H 220	19 m	4,7 W	without battery		AC-Control
Display panel: plastic 340 x 190 mm						
671722.00X	L 340, B 40, H 270	30 m	4,8 W	without battery		standard
671722.00X.89	L 340, B 40, H 270	30 m	5,8 W	without battery		AC-Control





Ceiling luminaires | Halyxx



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing extruded aluminium profile anodised or powder-coated.
Display panel: highly transparent panel, plastic, with legend on one side/both sides.

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Display panel: plastic 170 x 100 mm						
671502.00X	L 233, B 40, H 180	14 m	4,7 W	NiCd	3 h	autotest
671502.00X.04	L 233, B 40, H 180	14 m	4,7 W	NiCd	3 h	MultiDigit
671502.00X.07	L 233, B 40, H 180	14 m	4,7 W	NiCd	3 h	DALI-Sibe
Display panel: plastic 235 x 140 mm						
671742.00X	L 235, B 40, H 220	19 m	4,7 W	NiCd	3 h	autotest
671742.00X.04	L 235, B 40, H 220	19 m	4,7 W	NiCd	3 h	MultiDigit
671742.00X.07	L 235, B 40, H 220	19 m	4,7 W	NiCd	3 h	DALI-Sibe
671896.00X	L 235, B 40, H 220	19 m	4,7 W	NiCd	**8 h**	autotest
671896.00X.04	L 235, B 40, H 220	19 m	4,7 W	NiCd	**8 h**	MultiDigit
Display panel: plastic 340 x 190 mm						
671744.00X	L 340, B 40, H 270	30 m	5,8 W	NiCd	3 h	autotest
671744.00X.04	L 340, B 40, H 270	30 m	5,8 W	NiCd	3 h	MultiDigit
671744.00X.07	L 340, B 40, H 270	30 m	5,8 W	NiCd	3 h	DALI-Sibe
671913.00X	L 340, B 40, H 270	30 m	5,8 W	NiCd	**8 h**	autotest
671913.00X.04	L 340, B 40, H 270	30 m	5,8 W	NiCd	**8 h**	MultiDigit
671913.00X.07	L 340, B 40, H 270	30 m	5,8 W	NiMh	**8 h**	DALI-Sibe

CBS

Luminaires for central battery system					**Price Category 24**
Display panel: plastic 170 x 100 mm					
671504.00X	L 233, B 40, H 184	14 m	3,7 W	without battery	standard
671504.00X.89	L 233, B 40, H 184	14 m	4,7 W	without battery	AC-Control
Display panel: plastic 235 x 140 mm					
671736.00X	L 235, B 40, H 220	19 m	3,7 W	without battery	standard
671736.00X.89	L 235, B 40, H 220	19 m	4,7 W	without battery	AC-Control
Display panel: plastic 340 x 190 mm					
671737.00X	L 340, B 40, H 270	30 m	4,8 W	without battery	standard
671737.00X.89	L 340, B 40, H 270	30 m	5,8 W	without battery	AC-Control

Mounting kit for chains/cable suspensions			**Price Category 23**
981701.004	L 213, B 33, H 77	for Viewing distance 14 + 19 m	
981702.004	L 318, B 33, H 57	for Viewing distance 30 m	



Pendant kit for Self-contained safety luminaires			**Price Category 23**
981639.010	Pendant length LP 500	for standard variants, Viewing distance 14 m + 19 m	
981639.040	Pendant length LP 500	for MultiDigit (.04) / DALI (.07), Viewing distance 14 m + 19 m	
981647.010	Pendant length LP 500	for standard variants, Viewing distance 30 m	
981647.040	Pendant length LP 500	for MultiDigit (.04) / DALI (.07), Viewing distance 30 m	

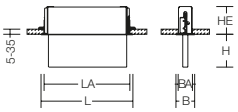
Pendant kit for Luminaires for central battery system			**Price Category 24**
981639.020	Pendant length LP 500	for AC-Control .89, Viewing distance 14 m + 19 m	
981639.060	Pendant length LP 500	for standard variants, Viewing distance 14 m + 19 m	
981647.000	Pendant length LP 500	for standard variants, Viewing distance 30 m	
981647.020	Pendant length LP 500	for AC-Control .89, Viewing distance 30 m	



Wall extension			**Price Category 24**
981581.004	L 258, B 38, H 104	for Viewing distance 14 m + 19 m	
981640.004	L 363, B 38, H 104	for Viewing distance 30 m	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Recessed ceiling luminaires | Halyxx





Type of Protection: **IP 40**
Protection Class: I
Ceiling Thickness: 5-35 mm
Impact Protection: IK03

For escape route identification

Installation housing sheet steel. Ceiling plate stainless steel high polish or powder-coated.
Display panel: highly transparent panel, plastic, with legend on one side/both sides.

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = stainless steel

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Display panel: plastic 170 x 100 mm – Ceiling cut out LA 255 x BA 42 mm, HE 90 mm						
671518.00X	L 270, B 55, H 100	14 m	4,7 W	NiCd	3 h	autotest
671518.00X.04	L 270, B 55, H 100	14 m	4,7 W	NiCd	3 h	MultiDigit
671518.00X.07	L 270, B 55, H 100	14 m	4,7 W	NiCd	3 h	DALI-Sibe
Display panel: plastic 235 x 140 mm – Ceiling cut out LA 305 x BA 42 mm, HE 90 mm						
671750.00X	L 320, B 55, H 140	19 m	4,7 W	NiCd	3 h	autotest
671750.00X.04	L 320, B 55, H 140	19 m	4,7 W	NiCd	3 h	MultiDigit
671750.00X.07	L 320, B 55, H 140	19 m	4,7 W	NiCd	3 h	DALI-Sibe
671897.00X	L 320, B 55, H 140	19 m	4,7 W	NiCd	**8 h**	autotest
671897.00X.04	L 320, B 55, H 140	19 m	4,7 W	NiCd	**8 h**	MultiDigit
Display panel: plastic 340 x 190 mm – Ceiling cut out LA 410 x BA 42 mm, HE 90 mm						
671752.00X	L 424, B 55, H 190	30 m	5,8 W	NiCd	3 h	autotest
671752.00X.04	L 424, B 55, H 190	30 m	5,8 W	NiCd	3 h	MultiDigit
671752.00X.07	L 424, B 55, H 190	30 m	5,8 W	NiCd	3 h	DALI-Sibe
671914.00X	L 424, B 55, H 190	30 m	5,8 W	NiCd	**8 h**	autotest
671914.00X.04	L 424, B 55, H 190	30 m	5,8 W	NiCd	**8 h**	MultiDigit
671914.00X.07	L 424, B 55, H 190	30 m	5,8 W	NiMh	**8 h**	DALI-Sibe

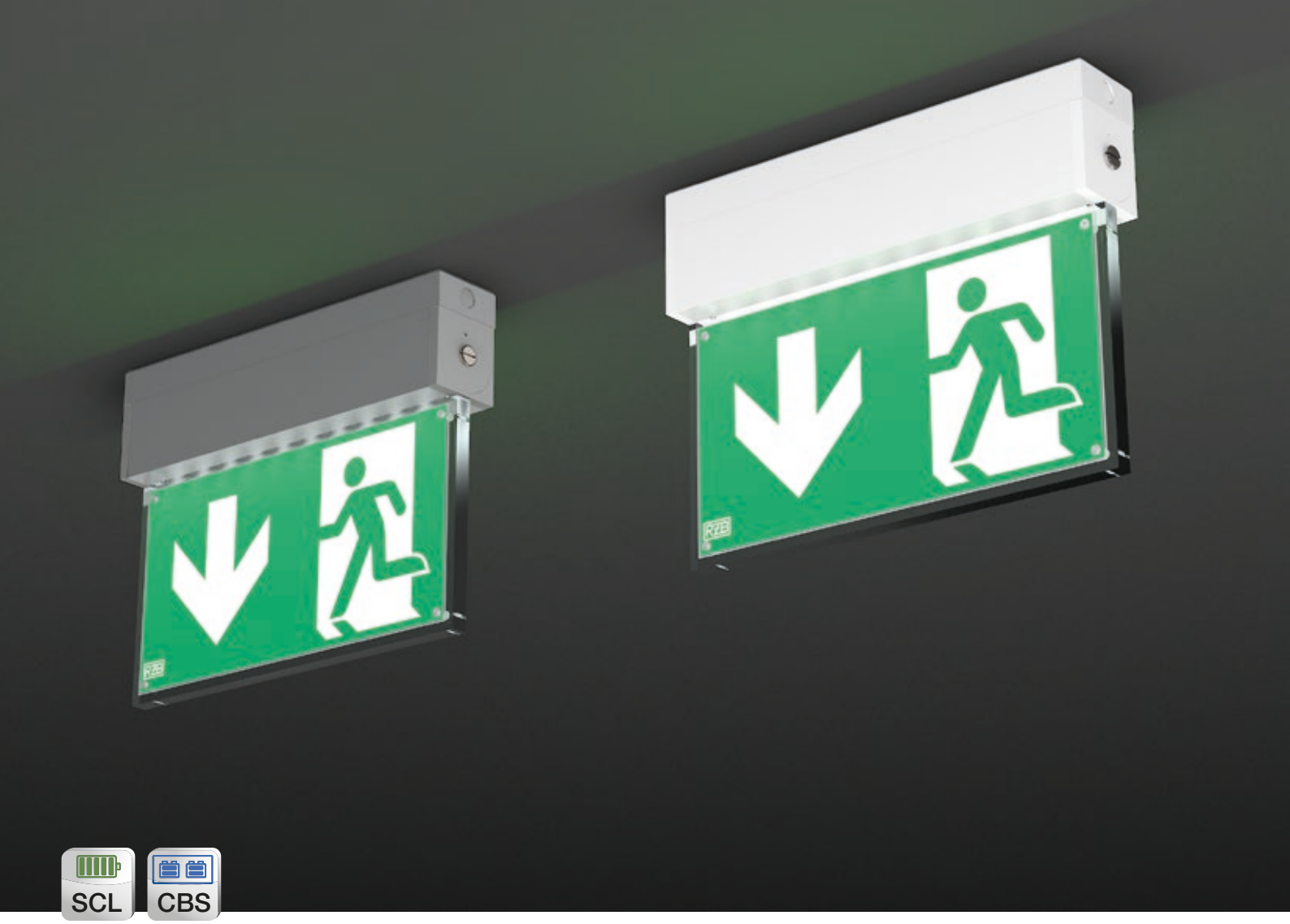


Luminaires for central battery system						**Price Category 24**
Display panel: plastic 170 x 100 mm – Ceiling cut out LA 255 x BA 42 mm, HE 90 mm						
671519.00X	L 270, B 55, H 100	14 m	3,7 W	without battery		standard
671519.00X.89	L 270, B 55, H 100	14 m	4,7 W	without battery		AC-Control
Display panel: plastic 235 x 140 mm – Ceiling cut out LA 305 x BA 42 mm, HE 90 mm						
671739.00X	L 320, B 55, H 140	19 m	3,7 W	without battery		standard
671739.00X.89	L 320, B 55, H 140	19 m	4,7 W	without battery		AC-Control
Display panel: plastic 340 x 190 mm – Ceiling cut out LA 410 x BA 42 mm, HE 90 mm						
671740.00X	L 424, B 55, H 190	30 m	4,8 W	without battery		standard
671740.00X.89	L 424, B 55, H 190	30 m	5,8 W	without battery		AC-Control



Concrete box			**Price Category 21**
981685.000	L 542, B 142, H 143	for Viewing distance 14 m	
981686.000	L 542, B 142, H 143	for Viewing distance 19 m	
981687.000	L 542, B 142, H 143	for Viewing distance 30 m	





SCL CBS

GSUN® S | UNIVERSAL S

Ceiling and wall luminaires

- Escape sign luminaire with highly efficient LED technology
- Adjustable rated operating time 1/3/8 hrs (only for versions without BUS connection)
- Housing made of top quality aluminium
- The very latest LED technology keeps maintenance costs to a minimum
- LED rated life 50,000 h
- Standard automatic self-test (self contained luminaires)
- Automatic self-test can be deactivated
- Set of 5 legends included for easy attachment
- Suitable for mounting on either a ceiling or a wall by simply changing the end caps

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


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3004


3006


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Special legends on request


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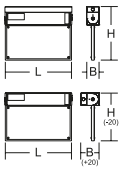

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | GSUN S, Universal S









Type of Protection: IP 30
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: aluminium extrusion profile, powder-coated. Universal mounting kit for ceiling and wall surface mounting. 4 legends and 1 white plug-in plastic sheet included.

Available colours (X): 2 = white, 4 = silver coloured

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672217.00X .Q	L 247, B 45, H 195	24 m	4,7 W	NiCd	1/3/**8 h**	autotest
672217.00X.04	L 247, B 45, H 195	24 m	4,7 W	NiMh	3 h	MultiDigit
672217.00X.07	L 247, B 45, H 195	24 m	4,7 W	NiMh	3 h	DALI-Sibe
672218.00X .Q	L 327, B 45, H 237	32 m	5,5 W	NiCd	1/3/**8 h**	autotest
672218.00X.04	L 327, B 45, H 237	32 m	5,5 W	NiMh	3 h	MultiDigit
672218.00X.07	L 327, B 45, H 237	32 m	5,5 W	NiMh	3 h	DALI-Sibe



Luminaires for central battery system					**Price Category 24**
671983.00X.1	L 247, B 45, H 195	24 m	3,7 W	without battery	standard
671983.00X.1.89	L 247, B 45, H 195	24 m	4,7 W	without battery	AC-Control
671985.00X.1	L 327, B 45, H 237	32 m	4,5 W	without battery	standard
671985.00X.1.89	L 327, B 45, H 237	32 m	5,5 W	without battery	AC-Control



Mounting sets			**Price Category 23**
981780.00X.1	L 238, B 40, H 32	Mounting kit for chains/cable suspensions	



Mounting frame for recessed ceiling mounting			**Price Category 23**
981883.00X.1	L 330, B 68, H 1, LA 300, BA 52, HE 75	for Viewing distance 24 m	
981884.00X.1	L 406, B 68, H 1, LA 370, BA 52, HE 75	for Viewing distance 32 m	



Pendant kit			**Price Category 23**
981777.01X.1	Pendant length LP 500	for standard variants	
981777.03X.1	Pendant length LP 500	for MultiDigit (.04) / DALI (.07) / AC-Control (.89)	



Wall extension			**Price Category 23**
981779.00X.1	L 260, B 46, H 90	for Viewing distance 24 m	
981797.00X.1	L 338, B 46, H 90	for Viewing distance 32 m	



Escape route motif foils			**Price Category 23**
991126.04	4 motif foils (1 each of 3113, 3114, 3115, 3116)	for Viewing distance 24 m	
991129.03	4 motif foils (1 each of 3113, 3114, 3115, 3116)	for Viewing distance 32 m	





© Jürg Knuchel

The application image shows:
GSUN S
Turia L



SCL CBS

GSUN® RS | UNIVERSAL RS

Ceiling and wall luminaires

- High-quality design
- Standard automatic self-test
- The ultra-flat exit sign luminaire with highly efficient LED technology
- LED rated life 50,000 h
- Set of 5 legends included for easy attachment

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


1026

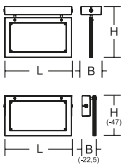

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | GSUN RS, Universal RS









Type of Protection: IP 20
Protection Class: II
Impact Protection: IK03

For escape route identification

Housing: plastic (polycarbonate) with universal mounting kit for ceiling and wall mount.
4 legends and 1 white plug-in plastic sheet included.

Available colour: 9 = grey

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

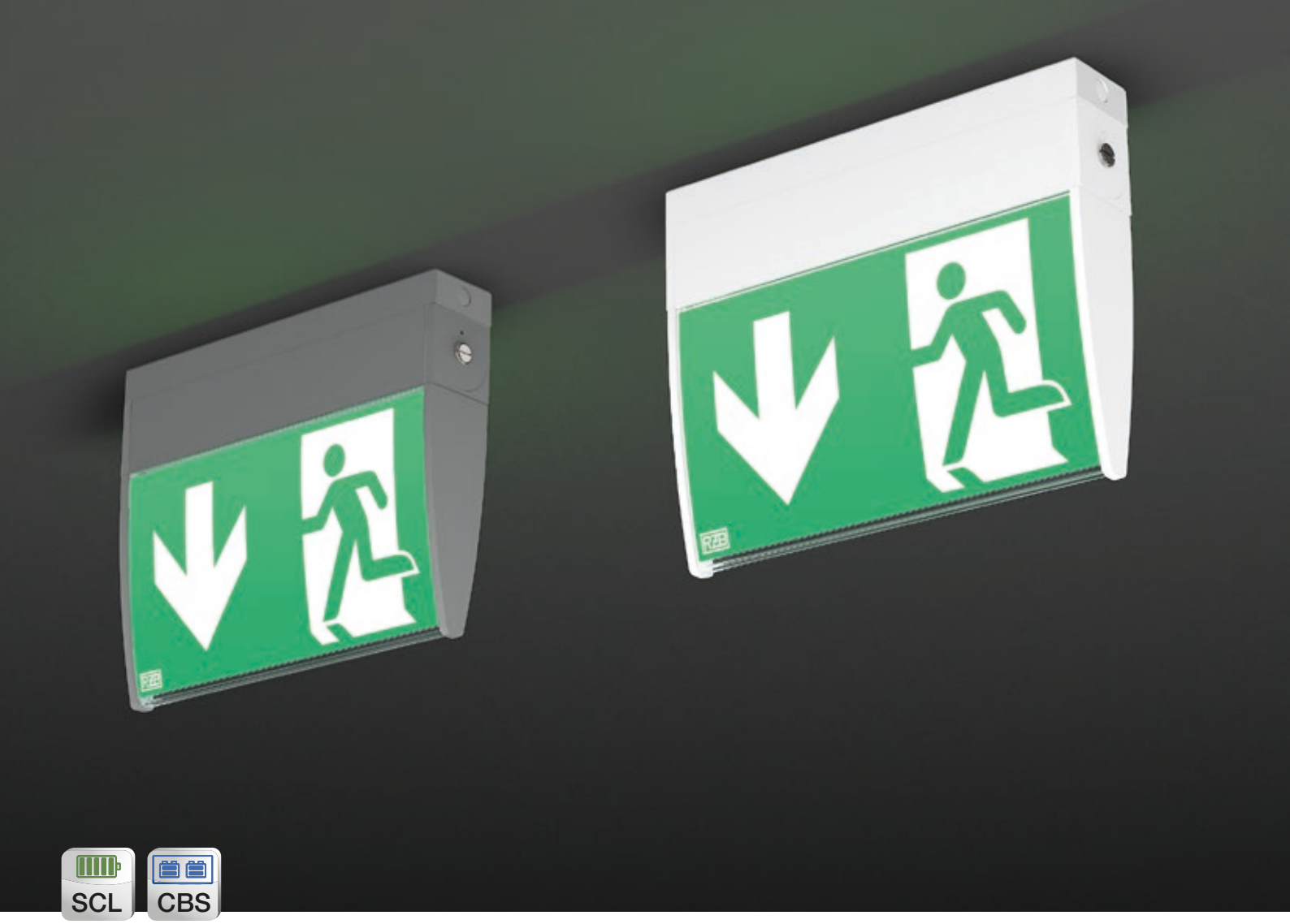
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672116.009 .Q	L 276, B 83, H 211	24 m	4,7 W	NiCd	3 h	autotest
672116.009.04	L 276, B 83, H 211	24 m	4,7 W	NiCd	3 h	MultiDigit
672116.009.07	L 276, B 83, H 211	24 m	4,7 W	NiCd	3 h	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672117.009	L 276, B 83, H 211	24 m	3,7 W	without battery		standard
672117.009.89	L 276, B 83, H 211	24 m	4,7 W	without battery		AC-Control







SCL CBS

GSUN® D | UNIVERSAL D

Ceiling and wall luminaires

- Housing made of top quality aluminium
- Adjustable rated operating time 1/3/8 hrs (only for versions without BUS connection)
- The very latest LED technology keeps maintenance costs to a minimum
- LED rated life 50,000 h
- Standard automatic self-test
- Automatic self-test can be deactivated
- 5 easy to lay in legends included
- Suitable for mounting on either a ceiling or a wall by simply changing the end caps

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005


3113


3114


3116


3115

Special legends on request


1026

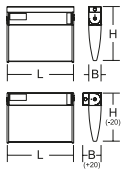

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Ceiling and wall luminaires | GSUN D, Universal D









Type of Protection: IP 30
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: aluminium extrusion profile, powder-coated. Universal mounting kit for ceiling and wall surface mounting. 4 legends and 1 white lay in plastic sheet included.

Available colours (X): 2 = white, 4 = silver coloured

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672219.00X .Q	L 247, B 45, H 200	24 m	4,7 W	NiCd	1/3/**8 h**	autotest
672219.00X.04	L 247, B 45, H 200	24 m	4,7 W	NiMh	3 h	MultiDigit
672219.00X.07	L 247, B 45, H 200	24 m	4,7 W	NiCd	3 h	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
671996.00X.1	L 247, B 45, H 200	24 m	3,7 W	without battery		standard
671996.00X.1.89	L 247, B 45, H 200	24 m	4,7 W	without battery		AC-Control





Mounting sets			**Price Category 23**
981780.00X.1	L 238, B 40, H 32	Mounting kit for chains/cable suspensions	



Mounting frame for recessed ceiling mounting		**Price Category 23**
982224.00X.1	L 330, B 68, H 1, HE 75, LA 300, BA 60, HE 75	



Pendant kit			**Price Category 23**
981777.03X.1	Pendant length LP 500	for MultiDigit (.04) / DALI (.07) / AC-Control (.89)	
981777.01X.1	Pendant length LP 500	for standard variants	



Wall extension			**Price Category 23**
981779.00X.1	L 260, B 46, H 90	for Viewing distance 24 m	



Escape route motif foils		**Price Category 23**
991130.04	4 motif foils (1 each of 3113, 3114, 3115, 3116)	



SCL CBS

CENTRYXX®

Wall luminaires

- For signposting and illuminating of fire fighting equipment and call points and of first aid posts according DIN EN 1838
- IP 65 type of protection - dustproof and protected against water jets from all directions
- The legend is viewable from three sides
- Additional downward emitting LED to illuminate the equipment with min. 5 lx
- Impact resistant plastic diffuser is suitable for robust neighbourhood requirements
- Suitable for use in the food and drink industry
- Individual legends are possible

Legend with green or red background color (others on request)


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Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3203

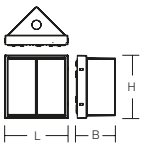

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3205


3206

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Centryxx D





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

For signposting and illuminating of fire fighting equipment and call points and of first aid posts

Base: pressure die-cast aluminium, powder-coated. Diffuser polycarbonate in prismatic shape. Legend both sides, in 90° angle arranged. Downward light emission with elliptical character.

Indicate required motif when placing your order!

Available colour: 2 = white



Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672165.002	L 199, B 125, H 199	24 m	7,1 W	NiMh	3 h	autotest
672165.002.04	L 199, B 125, H 199	24 m	7,1 W	NiMh	3 h	MultiDigit
672165.002.07	L 199, B 125, H 199	24 m	7,1 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672164.002	L 199, B 125, H 199	24 m	6,1 W	without battery		standard
672164.002.89	L 199, B 125, H 199	24 m	7,1 W	without battery		AC-Control

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Mounting sets			**Price Category 23**
982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	



CENTRYXX®

Ceiling and wall luminaires

- IP 65 type of protection - dustproof and protected against water jets from all directions
- Impact resistant plastic diffuser is suitable for robust neighbourhood requirements
- Best thermal management thanks to die cast aluminium base
- Reliable and long life LED technology
- Suitable for use in the food and drink industry
- Individual legends are possible

Legends for escape route identification - ISO 7010 | DIN 4844

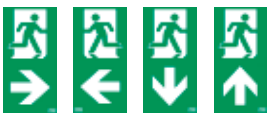
Background colour: green


3003

3004


3006


3005


3203 3204 3205 3206

Special legends on request


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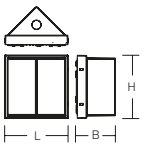

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Ceiling and wall luminaires | Centryxx D RZ





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK06

For escape route identification

Base: pressure die-cast aluminium, powder-coated. Diffuser polycarbonate in prismatic shape. Double sided escape route signs.

Indicate required motif when placing your order!

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB



Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB



Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672250.002	L 199, B 199, H 125	17 m	4,2 W	NiCd	3 h	autotest
672250.002.04	L 199, B 199, H 125	17 m	4,2 W	NiCd	3 h	MultiDigit
672250.002.07	L 199, B 199, H 125	17 m	4,2 W	NiCd	3 h	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672249.002	L 199, B 199, H 125	17 m	3,2 W	without battery		standard
672249.002.89	L 199, B 199, H 125	17 m	4,2 W	without battery		AC-Control

Mounting sets			Price Category 23
982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	
982341.002	L 130, B 130, H 18	Mounting kit for chains/cable suspensions	

Pendant kit for Self-contained safety luminaires			Price Category 23
982425.002	Pendant length LP 500	for standard variants	
982425.002.04	Pendant length LP 500	for MultiDigit (.04)	
982425.002.07	Pendant length LP 500	for DALI (.07)	



Pendant kit for Luminaires for central battery system			Price Category 24
982423.002	Pendant length LP 500	for standard variants	
982424.002	Pendant length LP 500	for AC-Control (.89)	



SCL CBS

MULTIVARIABEL

Ceiling and wall luminaires, Pendant luminaires

- IP 54 type of protection - dustproof and protected against water spray
- Suitable for ceiling and wall mounting
- LED rated life 50,000 h
- Easy to install
- 4 legends for escape route identification included

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


1026

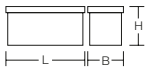

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Ceiling and wall luminaires | Multivariabel







Type of Protection: **IP 54** for indoor use
Protection Class: I
Impact Protection: IK03

For escape route identification

Base: aluminium, powder-coated. Diffuser: plastic, opal.
4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672245.002	L 274, B 125, H 139	21 m	4,6 W	NiMh	3 h	autotest
672245.002.04	L 274, B 125, H 139	21 m	4,6 W	NiMh	3 h	MultiDigit
672245.002.07	L 274, B 125, H 139	21 m	4,6 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672247.002	L 274, B 125, H 139	21 m	3,6 W	without battery		standard
672247.002.89	L 274, B 125, H 139	21 m	4,6 W	without battery		AC-Control





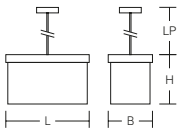
Ball impact guard		**Price Category 23**
981167.002	L 380, B 295, H 185	



Replacement diffusers		**Price Category 13**
08-671373.002	L 267, B 118, H 120	Plastic (polycarbonate)



Pendant luminaires | Multivariabel



Type of Protection: **IP 54** for indoor use
Protection Class: I
Impact Protection: IK03
Suspension Length: 500 mm

For escape route identification

Base: aluminium, powder-coated. Canopy: plastic, white. Pendant tube: chrome.
Diffuser: plastic, opal. 4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

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CBS

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672246.002	L 274, B 125, H 131	21 m	4,6 W	NiMh	3 h	autotest
672246.002.04	L 274, B 125, H 131	21 m	4,6 W	NiMh	3 h	MultiDigit
672246.002.07	L 274, B 125, H 131	21 m	4,6 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672248.002	L 274, B 125, H 131	21 m	3,6 W	without battery		standard
672248.002.89	L 274, B 125, H 131	21 m	4,6 W	without battery		AC-Control

Replacement diffusers			**Price Category 13**
08-671373.002	L 267, B 118, H 120	Plastic (polycarbonate)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Fotostudio Lippmann

The application image shows:
Multivariabel



SCL CBS

MINISIGN

Ceiling and wall luminaires

- Extremely low profile
- Inconspicuous design
- Suitable for mounting on either a ceiling or a wall by simply changing the end caps
- Reliable and long life LED technology
- Easy to install
- Standard automatic self-test
- 4 legends for escape route identification included

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


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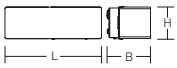

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Ceiling and wall luminaires | Minisign







Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Base: metal, powder-coated. Diffuser: plastic (polycarbonate), opal.
4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672188.002	L 230, B 103, H 76	14 m	4,8 W	NiMh	3 h	autotest
672188.002.04	L 230, B 103, H 76	14 m	4,8 W	NiMh	3 h	MultiDigit
672188.002.07	L 230, B 103, H 76	14 m	4,8 W	NiMh	3 h	DALI-Sibe
672189.002	L 230, B 103, H 76	14 m	4,8 W	NiMh	**8 h**	autotest
672189.002.04	L 230, B 103, H 76	14 m	4,8 W	NiMh	**8 h**	MultiDigit
672189.002.07	L 230, B 103, H 76	14 m	4,8 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672190.002	L 230, B 106, H 76	14 m	3,8 W	without battery		standard
672190.002.89	L 230, B 106, H 76	14 m	4,8 W	without battery		AC-Control

Replacement diffusers			**Price Category 24**
08-64100	L 230, B 75, H 75	Plastic (polycarbonate)	



SCL CBS

VARIOPLAST I

Wall luminaires

- IP 55 type of protection - dustproof and protected against water jets
- Ball impact protection in accordance with DIN 18032-03
- Suitable for use in the food and drink industry
- Installation-friendly construction with mounting plate
- 4 legends for escape route identification included
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.



Further luminaires of this series, see:
Emergency lighting | Escape route illumination

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


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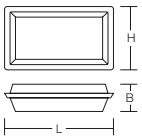

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Wall luminaires | Varioplast I





Type of Protection: **IP 55** for indoor use
Protection Class: I
Impact Protection: IK08

For escape route identification

Base: plastic (polycarbonate). Diffuser: shockproof plastic (polycarbonate). 4 legends for escape route identification included. Ball impact proof in accordance with DIN 18032-03.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.

Available colours (X): 2 = white, 3 = black

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672126.00X	L 320, B 80, H 186	24 m	5,8 W	NiCd	3 h	autotest
672126.00X.04	L 320, B 80, H 186	24 m	5,8 W	NiCd	3 h	MultiDigit
672126.00X.07	L 320, B 80, H 186	24 m	5,8 W	NiCd	3 h	DALI-Sibe
672175.00X	L 320, B 80, H 186	24 m	5,8 W	NiCd	**8 h**	autotest
672175.00X.04	L 320, B 80, H 186	24 m	5,8 W	NiCd	**8 h**	MultiDigit
672175.00X.07	L 320, B 80, H 186	24 m	5,8 W	NiCd	**8 h**	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672128.00X	L 320, B 80, H 186	24 m	4,8 W	without battery		standard
672128.00X.89	L 320, B 80, H 186	24 m	5,8 W	without battery		AC-Control





Weatherproof housing			**Price Category 24**
982477.014	L 383, B 220, H 109	silver metallic	



Replacement diffusers			**Price Category 13**
08-22070.002	L 296, B 162, H 44	Plastic (polycarbonate)	



SCL CBS

VARIOPLAST II

Ceiling and wall luminaires

- Designed for large viewing distances
- Installation-friendly construction with mounting plate
- IP 54 type of protection - dustproof and protected against water spray
- Luminaire with enclosed accessories suitable for wall, ceiling, cable and chain pendant installation

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


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Special legends on request


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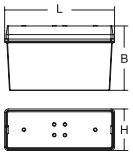

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Ceiling and wall luminaires | Varioplast II





Type of Protection: **IP 54**
Protection Class: II
Impact Protection: IK06

For escape route identification

Base: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal, shockproof.
4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672332.002 .Q	L 370, B 140, H 218	32 m	4,6 W	NiMh	3 h	autotest
672332.002.04	L 370, B 140, H 218	32 m	4,6 W	NiMh	3 h	MultiDigit
672332.002.07	L 370, B 140, H 218	32 m	4,6 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672331.002	L 370, B 140, H 218	32 m	3,6 W	without battery		standard
672331.002.89	L 370, B 140, H 218	32 m	4,6 W	without battery		AC-Control





Replacement diffusers		**Price Category 24**
08-672331.002	L 369, B 139, H 169	



SCL

GSUN® 2

Wall luminaires

- Universal luminaire for 3 hours of operating time in emergency mode
- 4 legends for escape route identification included
- Reliable and long life LED technology
- LED rated life 50,000 h
- Very low power consumption

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


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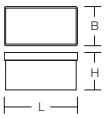

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | GSUN 2





Type of Protection: **IP 40**
Protection Class: II
Impact Protection: IK03

For escape route identification

Base: plastic, grey. Diffuser: plastic, opal. 4 legends for escape route identification included.

Available colour: 9 = grey

Self-contained safety luminaires

Voltage type: AC

Fitted as standard with test button.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

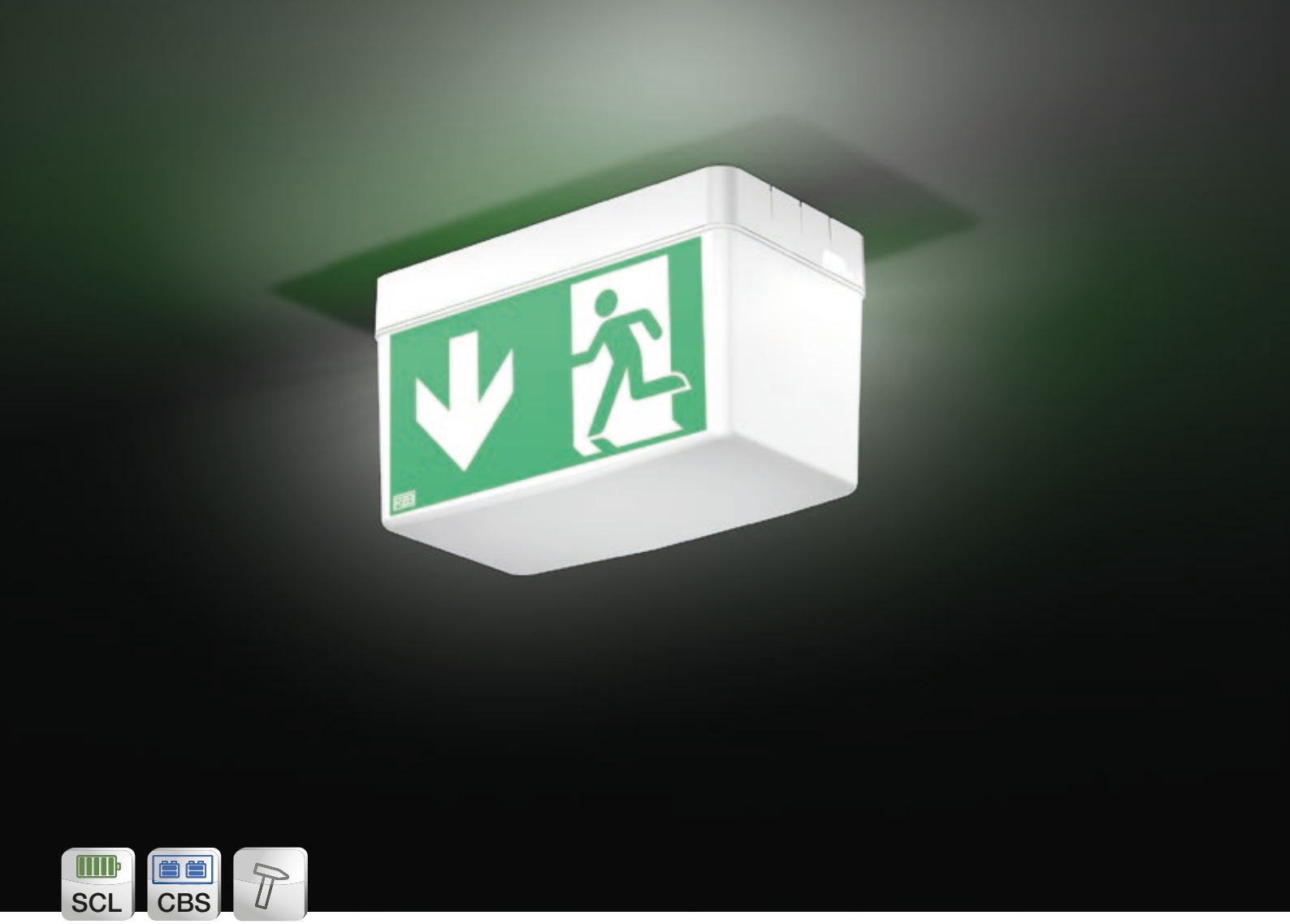
Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
651817.009	L 215, B 115, H 110	19 m	2 W	NiCd	3 h	autotest



Ball impact guard		**Price Category 23**
981167.002	L 380, B 295, H 185	



Replacement diffusers		**Price Category 13**
08-22144	L 215, B 115, H 86	



SCL CBS

GSUN® 3 | UNIVERSAL 3

Ceiling and wall luminaires, Wall luminaires

- IP 54 type of protection - dustproof and protected against water spray
- All-plastic luminaires, shockproof
- Wide range of applications thanks to either surface or recessed ceiling installation
- 4 legends for escape route identification included
- Low-cost installation
- LED rated life 50,000 h

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


1026

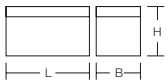

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | GSUN 3, Universal 3





Type of Protection: **IP 54** for indoor use
Protection Class: II (I for .04)
Impact Protection: IK03

For escape route identification

Base: plastic. Diffuser: plastic, opal. 4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
671780.002 .Q	L 240, B 126, H 145	21 m	4,6 W	NiCd	3 h	autotest
671780.002.04	L 240, B 126, H 145	21 m	4,6 W	NiCd	3 h	MultiDigit
671909.002	L 240, B 126, H 145	21 m	4,6 W	NiCd	**8 h**	autotest
671909.002.04	L 240, B 126, H 145	21 m	4,6 W	NiCd	**8 h**	MultiDigit
Luminaires for central battery system						**Price Category 24**
671782.002	L 242, B 126, H 145	21 m	3,6 W	without battery		standard
671782.002.89	L 242, B 126, H 145	21 m	4,6 W	without battery		AC-Control





Ball impact guard		**Price Category 23**
981167.002	L 380, B 295, H 185	



Pendant tube		**Price Category 23**
90-4164.002	Pendant length LP 500	



Wall extension		**Price Category 23**
981144.002	L 251, B 131, H 60	

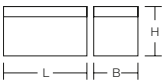


Replacement diffusers		**Price Category 13**
08-671320.002	L 241, B 125, H 124	

Escape route motif foils		**Price Category 23**
991153	L 210, B 105	4 motif foils (1 each of 3003, 3004, 3005, 3006)



Wall luminaires | GSUN 3, Universal 3



Type of Protection: **IP 54** for indoor use
Protection Class: II (I for .04)
Impact Protection: IK03

For escape route identification

Base: plastic. Diffuser: plastic, opal. 4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
671707.002 .Q	L 240, B 126, H 78	21 m	4,6 W	NiCd	3 h	autotest
671707.002.04	L 240, B 126, H 78	21 m	4,6 W	NiCd	3 h	MultiDigit
671908.002	L 240, B 126, H 78	21 m	4,6 W	NiCd	**8 h**	autotest
671908.002.04	L 240, B 126, H 78	21 m	4,6 W	NiCd	**8 h**	MultiDigit

CBS

Luminaires for central battery system						**Price Category 24**
671775.002	L 243, B 127, H 78	21 m	3,6 W	without battery		standard
671775.002.89	L 243, B 127, H 78	21 m	4,6 W	without battery		AC-Control



Ball impact guard		**Price Category 23**
981167.002	L 380, B 295, H 185	

Replacement diffusers		**Price Category 13**
08-671573.002	L 241, B 125, H 55	

Escape route motif foils		**Price Category 23**
991153	L 210, B 105	4 motif foils (1 each of 3003, 3004, 3005, 3006)

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



The application image shows:
GSUN 3

© Linus Lintner



SCL CBS

GSUN® 4 | UNIVERSAL 4

Ceiling and wall luminaires, Wall luminaires

- IP 54 type of protection - dustproof and protected against water spray
- All-plastic luminaires, shockproof
- Wide range of applications thanks to either surface or recessed ceiling installation
- 4 legends for escape route identification included
- Low-cost installation
- LED rated life 50,000 h

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


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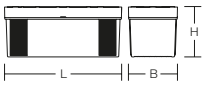

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | GSUN 4, Universal 4





Type of Protection: **IP 54** for indoor use
Protection Class: II (I for .04)
Impact Protection: IK03

For escape route identification

Base: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal.
4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
671819.002 .Q	L 344, B 144, H 148	21 m	7 W	NiCd	3 h	autotest
671819.002.04	L 344, B 144, H 148	21 m	7 W	NiCd	3 h	MultiDigit
671907.002	L 344, B 144, H 148	21 m	7 W	NiCd	**8 h**	autotest
671907.002.04	L 344, B 144, H 148	21 m	7 W	NiCd	**8 h**	MultiDigit
Luminaires for central battery system						**Price Category 24**
671820.002	L 344, B 144, H 148	21 m	6 W	without battery		standard
671820.002.89	L 344, B 144, H 148	21 m	7 W	without battery		AC-Control





Ball impact guard		**Price Category 23**
981167.002	L 380, B 295, H 185	



Pendant tube		**Price Category 23**
90-4164.002	Pendant length LP 500	



Wall extension		**Price Category 23**
981485.002	L 374, B 147, H 75	



Mounting sets			**Price Category 24**
981583.002	L 295, B 135, H 26	Mounting kit for chains/cable suspensions	

Replacement diffusers		**Price Category 13**
08-671516.002	L 343, B 143, H 124	

Escape route motif foils			**Price Category 23**
991153	L 210, B 105	4 motif foils (1 each of 3003, 3004, 3005, 3006)	



Wall luminaires | GSUN 4, Universal 4



Type of Protection: **IP 54** for indoor use
Protection Class: II (I for .04)
Impact Protection: IK03

For escape route identification or escape route illumination

Base: plastic (polycarbonate). Refractor: plastic (polycarbonate), transparent, prismatic.
4 legends for escape route identification included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
671792.002 .Q	L 344, B 144, H 78	25 m	7 W	NiCd	3 h	autotest
671792.002.04	L 344, B 144, H 78	25 m	7 W	NiCd	3 h	MultiDigit
671906.002	L 344, B 144, H 78	25 m	7 W	NiCd	**8 h**	autotest
671906.002.04	L 344, B 144, H 78	25 m	7 W	NiCd	**8 h**	MultiDigit

CBS

Luminaires for central battery system						**Price Category 24**
671793.002	L 344, B 144, H 78	25 m	6 W	without battery		standard
671793.002.89	L 344, B 144, H 78	25 m	7 W	without battery		AC-Control



Ball impact guard		**Price Category 23**
981167.002	L 380, B 295, H 185	
981168.002	L 540, B 375, H 185	



Pendant tube		**Price Category 23**
90-4164.002	Pendant length LP 500	



Wall extension		**Price Category 23**
981485.002	L 374, B 147, H 75	

Mounting sets			**Price Category 24**
981583.002	L 295, B 135, H 26	Mounting kit for chains/cable suspensions	

Replacement refractor			**Price Category 13**
08-671514.000	L 343, B 143, H 54	Replacement refractor (polycarbonate)	

Escape route motif foils			**Price Category 23**
991152	L 250, B 125	4 motif foils (1 each of 3003, 3004, 3005, 3006)	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Fotostudio Lippmann

The application image shows:
GSUN 4



SCL CBS

RECHTECK

Wall luminaires, Extensions, Ceiling luminaires, Pendant luminaires

- High quality aluminium profile housing
- Wide range of applications thanks to various types of installation
- Standard automatic self-test
- Top quality LED technology

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


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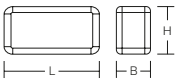

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Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Rechteck





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: aluminium, with plastic corner connectors. Display panel: plastic, opal, with legend on one side. Light emission: downwards.

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Rechteck 250						
671045.00X	L 250, B 90, H 140	21 m	4,7 W	NiCd	3 h	autotest
671045.00X.04	L 250, B 90, H 140	21 m	4,7 W	NiCd	3 h	MultiDigit
Rechteck 360						
671061.00X	L 362, B 90, H 192	32 m	5,8 W	NiCd	3 h	autotest
671061.00X.04	L 362, B 90, H 192	32 m	5,8 W	NiCd	3 h	MultiDigit
Rechteck 485						
671077.00X	L 485, B 90, H 250	43 m	5,8 W	NiMh	3 h	autotest
671077.00X.04	L 485, B 90, H 250	43 m	5,8 W	NiMh	3 h	MultiDigit



Luminaires for central battery system						Price Category 24
Rechteck 250						
671207.00X	L 250, B 90, H 140	21 m	3,7 W	without battery		standard
671207.00X.89	L 250, B 90, H 140	21 m	4,7 W	without battery		AC-Control
Rechteck 360						
671215.00X	L 362, B 90, H 192	32 m	4,8 W	without battery		standard
671215.00X.89	L 362, B 90, H 192	32 m	5,8 W	without battery		AC-Control
Rechteck 485						
671229.00X	L 485, B 90, H 250	43 m	4,8 W	without battery		standard
671229.00X.89	L 485, B 90, H 250	43 m	5,8 W	without battery		AC-Control

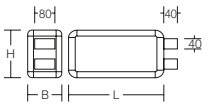


Ball impact guard		Price Category 23
981167.002	L 380, B 295, H 185	
981168.002	L 540, B 375, H 185	





Extensions | Rechteck



Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: aluminium, with plastic corner connectors. Display panels: plastic, opal, with motifs on both sides. Light emission: downwards.

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

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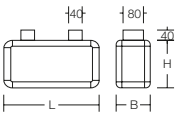
Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Rechteck 250						
671049.00X	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	autotest
671049.00X.04	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	MultiDigit
Rechteck 360						
671065.00X	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	autotest
671065.00X.04	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	MultiDigit
Rechteck 485						
671081.00X	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	autotest
671081.00X.04	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	MultiDigit

CBS

Luminaires for central battery system						**Price Category 24**
Rechteck 250						
671209.00X	L 250, B 125, H 140	21 m	5,9 W	without battery		standard
671209.00X.89	L 250, B 125, H 140	21 m	6,9 W	without battery		AC-Control
Rechteck 360						
671217.00X	L 362, B 125, H 192	32 m	8,1 W	without battery		standard
671217.00X.89	L 362, B 125, H 192	32 m	9,1 W	without battery		AC-Control
Rechteck 485						
671231.00X	L 485, B 125, H 250	43 m	8,1 W	without battery		standard
671231.00X.89	L 485, B 125, H 250	43 m	9,1 W	without battery		AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling luminaires | Rechteck





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: aluminium, with plastic corner connectors. Display panels: plastic, opal, with motifs on both sides. Light emission: downwards.

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

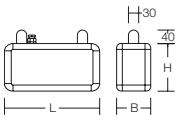
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Rechteck 250						
671053.00X	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	autotest
671053.00X.04	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	MultiDigit
Rechteck 360						
671069.00X	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	autotest
671069.00X.04	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	MultiDigit
Rechteck 485						
671085.00X	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	autotest
671085.00X.04	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	MultiDigit
Luminaires for central battery system						**Price Category 24**
Rechteck 250						
671211.00X	L 250, B 125, H 140	21 m	5,9 W	without battery		standard
671211.00X.89	L 250, B 125, H 140	21 m	6,9 W	without battery		AC-Control
Rechteck 360						
671223.00X	L 362, B 125, H 192	32 m	8,1 W	without battery		standard
671223.00X.89	L 362, B 125, H 192	32 m	9,1 W	without battery		AC-Control
Rechteck 485						
671233.00X	L 485, B 125, H 250	43 m	8,1 W	without battery		standard
671233.00X.89	L 485, B 125, H 250	43 m	9,1 W	without battery		AC-Control



Pendant luminaires | Rechteck



Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK03

For escape route identification

Housing: aluminium, with plastic corner connectors. Display panels: plastic, opal, with motifs on both sides. Cable/chain suspension (on site).

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

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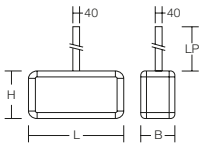
Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Rechteck 250						
671343.00X	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	autotest
671343.00X.04	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	MultiDigit
Rechteck 360						
671347.00X	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	autotest
671347.00X.04	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	MultiDigit
Rechteck 485						
671351.00X	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	autotest
671351.00X.04	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	MultiDigit

CBS

Luminaires for central battery system						**Price Category 24**
Rechteck 250						
671359.00X	L 250, B 125, H 140	21 m	5,9 W	without battery		standard
671359.00X.89	L 250, B 125, H 140	21 m	6,9 W	without battery		AC-Control
Rechteck 360						
671363.00X	L 362, B 125, H 192	32 m	8,1 W	without battery		standard
671363.00X.89	L 362, B 125, H 192	32 m	9,1 W	without battery		AC-Control
Rechteck 485						
671367.00X	L 485, B 125, H 250	43 m	8,1 W	without battery		standard
671367.00X.89	L 485, B 125, H 250	43 m	9,1 W	without battery		AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Pendant luminaires | Rechteck





Type of Protection: **IP 44**
Protection Class: I
Impact Protection: IK03
Suspension Length: 500 mm

For escape route identification

Housing: aluminium, with plastic corner connectors. Aluminium pendant suspension.
Display panels: plastic, opal, with motifs on both sides.

Please specify legend number when ordering!

Available colours (X): 2 = white, 4 = aluminium, anodised

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Rechteck 250						
671057.00X	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	autotest
671057.00X.04	L 250, B 125, H 140	21 m	6,9 W	NiCd	3 h	MultiDigit
Rechteck 360						
671073.00X	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	autotest
671073.00X.04	L 362, B 125, H 192	32 m	9,1 W	NiMh	3 h	MultiDigit
Rechteck 485						
671089.00X	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	autotest
671089.00X.04	L 485, B 125, H 250	43 m	9,1 W	NiMh	3 h	MultiDigit

SCL

Luminaires for central battery system						**Price Category 24**
Rechteck 250						
671213.00X	L 250, B 125, H 140	21 m	5,9 W	without battery		standard
671213.00X.89	L 250, B 125, H 140	21 m	6,9 W	without battery		AC-Control
Rechteck 360						
671227.00X	L 362, B 125, H 192	32 m	8,1 W	without battery		standard
671227.00X.89	L 362, B 125, H 192	32 m	9,1 W	without battery		AC-Control
Rechteck 485						
671235.00X	L 485, B 125, H 250	43 m	8,1 W	without battery		standard
671235.00X.89	L 485, B 125, H 250	43 m	9,1 W	without battery		AC-Control

CBS



SCL CBS

SIGNCUBE

Ceiling luminaires

- Diffuser made of non-yellowing plastic (PMMA) opal
- 4 legends for escape route identification included
- Standard automatic self-test
- Easy to install
- Top quality LED technology
- Ideal for intersection points

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


1026

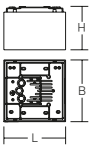

1074


1092


1019

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Signcube Mini





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK04

For escape route identification

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal.
4 legends for escape route identification included.

Can be converted into a suspended luminaire, via accessories.
Please order mounting elements separately.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672292.002	L 199, B 199, H 140	19 m	4,6 W	NiMh	3 h	autotest
672292.002.04	L 199, B 199, H 140	19 m	4,6 W	NiMh	3 h	MultiDigit
672292.002.07	L 199, B 199, H 140	19 m	4,6 W	NiMh	3 h	DALI-Sibe
672293.002	L 199, B 199, H 140	19 m	4,6 W	NiMh	**8 h**	autotest
672293.002.04	L 199, B 199, H 140	19 m	4,6 W	NiMh	**8 h**	MultiDigit
672293.002.07	L 199, B 199, H 140	19 m	4,6 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672291.002	L 199, B 199, H 140	19 m	3,6 W	without battery		standard
672291.002.89	L 199, B 199, H 140	19 m	4,6 W	without battery		AC-Control

SCL

CBS

Mounting sets			Price Category 23
982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	
982341.002	L 130, B 130, H 18	Mounting kit for chains/cable suspensions	

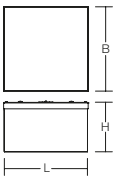
Pendant kit for Self-contained safety luminaires			Price Category 23
982425.002	Pendant length LP 500	for standard variants	
982425.002.04	Pendant length LP 500	for MultiDigit (.04)	
982425.002.07	Pendant length LP 500	for DALI (.07)	



Pendant kit for Luminaires for central battery system			Price Category 24
982423.002	Pendant length LP 500	for standard variants	
982424.002	Pendant length LP 500	for AC-Control (.89)	



Ceiling luminaires | Signcube Midi



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route identification

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal.
4 legends for escape route identification included.

Can be converted into a suspended luminaire, via accessories.
Please order mounting elements separately.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

SCL

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672300.002	L 315, B 315, H 187	30 m	6,9 W	NiMh	3 h	autotest
672300.002.04	L 315, B 315, H 187	30 m	6,9 W	NiMh	3 h	MultiDigit
672300.002.07	L 315, B 315, H 187	30 m	6,9 W	NiMh	3 h	DALI-Sibe

CBS

Luminaires for central battery system						**Price Category 24**
672299.002	L 315, B 315, H 187	30 m	5,9 W	without battery		standard
672299.002.89	L 315, B 315, H 187	30 m	6,9 W	without battery		AC-Control

Mounting kit for chains/cable suspensions		**Price Category 24**
982413.002	L 210, B 210, H 17	



Pendant kit for Self-contained safety luminaires		**Price Category 23**
982416.002	Pendant length LP 500	for standard variants Self-contained safety luminaires
982416.002.04	Pendant length LP 500	for MultiDigit (.04)
982416.002.07	Pendant length LP 500	for DALI (.07)

Pendant kit for Luminaires for central battery system		**Price Category 24**
982414.002	Pendant length LP 500	for standard variants Luminaires for central battery system
982415.002	Pendant length LP 500	for AC-Control (.89)

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Signcube Midi
Planox ECO



SCL CBS

CENTRYXX®

Ceiling luminaires

- Exceedingly flat design to match modern architecture
- LED technology for high levels of energy efficiency
- Very low maintenance costs thanks to automatic self-test
- Best thermal management thanks to die cast aluminium base

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


1026


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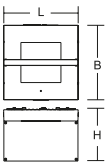




Further luminaires of this series, see:
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Centryxx RZ IP65





Type of Protection: **IP 65**
Protection Class: I

For escape route identification

Base: pressure die-cast aluminium, powder-coated. Cover: polycarbonate. Display panel: highly transparent panel, plastic, with legend on one side/both sides. 4 legends and 1 white plug-in plastic sheet included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672172.002	L 198, B 198, H 143	18 m	6,1 W	NiMh	3 h	autotest
672172.002.04	L 198, B 198, H 143	18 m	6,1 W	NiMh	3 h	MultiDigit
672172.002.07	L 198, B 198, H 143	18 m	6,1 W	NiMh	3 h	DALI-Sibe
672283.002	L 198, B 198, H 143	18 m	6,1 W	NiMh	**8 h**	autotest
672283.002.04	L 198, B 198, H 143	18 m	6,1 W	NiMh	**8 h**	MultiDigit
672283.002.07	L 198, B 198, H 143	18 m	6,1 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
672173.002	L 198, B 198, H 143	18 m	5,1 W	without battery		standard
672173.002.89	L 198, B 198, H 143	18 m	6,1 W	without battery		AC-Control





Mounting sets			Price Category 23
982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	
982341.002	L 130, B 130, H 18	Mounting kit for chains/cable suspensions	

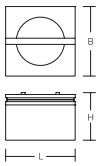
Pendant kit for Self-contained safety luminaires			Price Category 23
982425.002	Pendant length LP 500	for standard variants	
982425.002.04	Pendant length LP 500	for MultiDigit (.04)	
982425.002.07	Pendant length LP 500	for DALI (.07)	



Pendant kit for Luminaires for central battery system			Price Category 24
982423.002	Pendant length LP 500	for standard variants	
982424.002	Pendant length LP 500	for AC-Control (.89)	



Ceiling luminaires | Centryxx RZ



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

For escape route identification

Base: pressure die-cast aluminium, powder-coated. Cover: polycarbonate. Display panel: highly transparent panel, plastic, with legend on one side/both sides. 4 legends and 1 white plug-in plastic sheet included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB



Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
672038.002	L 180, B 180, H 132	17 m	4,2 W	NiMh	3 h	autotest
672038.002.04	L 180, B 180, H 132	17 m	4,2 W	NiMh	3 h	MultiDigit
672038.002.07	L 180, B 180, H 132	17 m	4,2 W	NiMh	3 h	DALI-Sibe



Luminaires for central battery system						**Price Category 24**
672037.002	L 180, B 180, H 132	17 m	3,2 W	without battery		standard
672037.002.89	L 180, B 180, H 160	17 m	4,2 W	without battery		AC-Control

Mounting kit for chains/cable suspensions		**Price Category 24**
981963.002	L 122, B 120, H 13	

Accessories | Installation box for Centryxx LED luminaires

Flat installation box made of white coated sheet steel, with lateral cable inlets, for Centryxx emergency luminaires.



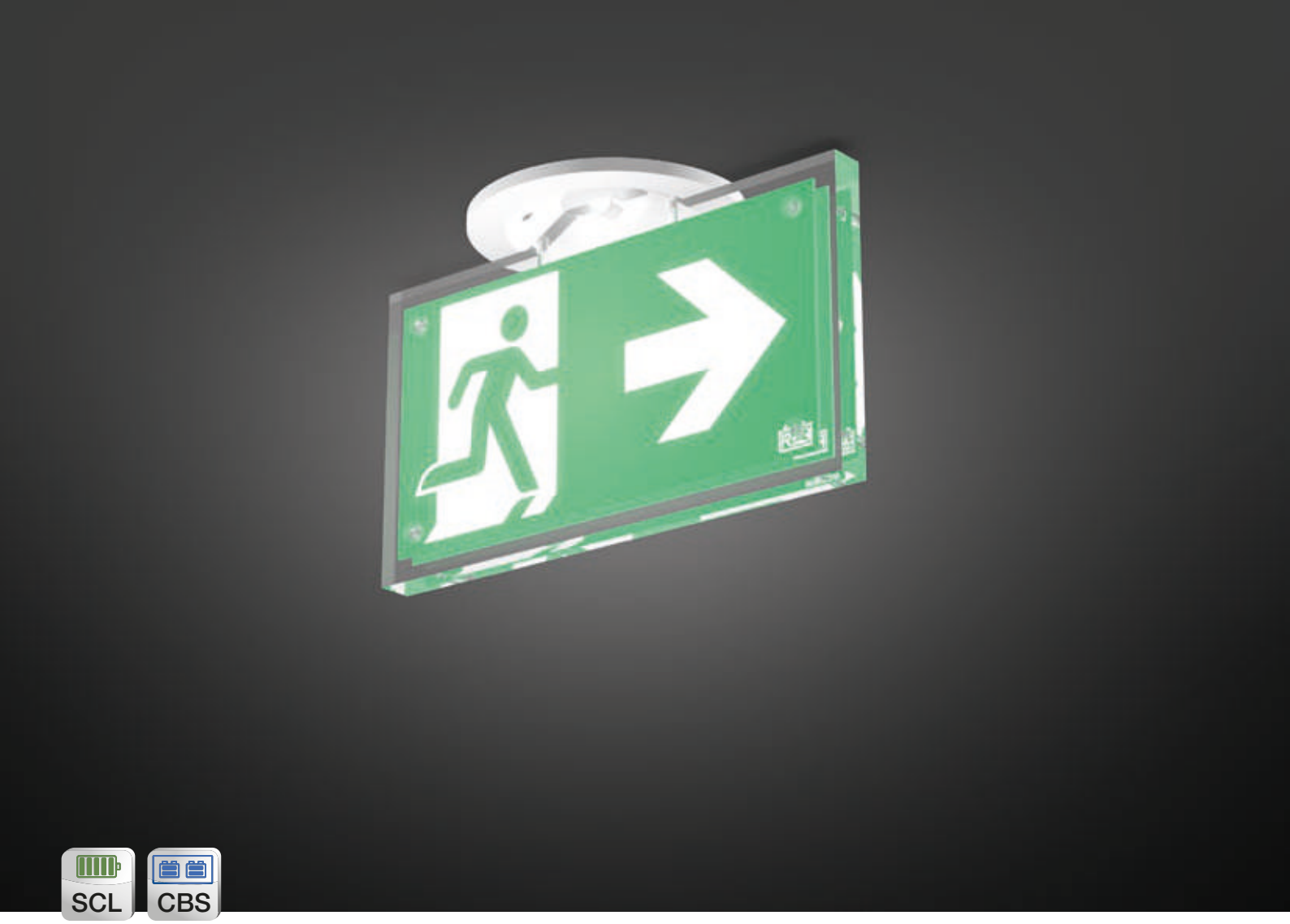
Mounting set for through wiring surface installation		**Price Category 23**
981921.002	L 123, B 123, H 33	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Sonja Krebs

The application image shows:
Centryxx RZ IP65



SCL CBS

TURIA®

Recessed ceiling luminaires

- Top quality LED technology
- Specially calculated thermal management
- Very low maintenance costs
- LED rated life 50,000 h
- Easy to install
- Extremely low profile
- The self-contained module and battery can be inserted and removed through the ceiling opening

Legends for escape route identification - ISO 7010 | DIN 4844

Background colour: green


3003


3004


3006


3005

Special legends on request


1026


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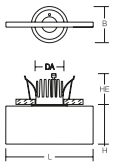

1019



Further luminaires of this series, see:
Emergency lighting | Escape route illumination

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling luminaires | Turia RZ





Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-35 mm
Impact Protection: IK03

For escape route identification

Housing: die-cast aluminium. Display panel: highly transparent panel, plastic, with legend on one side/both sides. Bezel ring: plastic, white. Emergency kit and battery in separate box with connecting cable.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions		System power	Battery		Monitoring
Self-contained safety luminaires						**Price Category 23**
Ceiling cut out DA 54 mm, HE 185 mm						
672053.002	L 145, B 61, H 83	14 m	4,3 W	NiMh	3 h	autotest
672053.002.04	L 145, B 61, H 83	14 m	4,3 W	NiMh	3 h	MultiDigit
672053.002.07	L 145, B 61, H 83	14 m	4,3 W	NiMh	3 h	DALI-Sibe
672104.002.07	L 145, B 61, H 83	14 m	4,3 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system						**Price Category 24**
Ceiling cut out DA 54 mm, HE 185 mm						
672055.002	L 145, B 61, H 83	14 m	3,3 W	without battery		standard
672055.002.89	L 145, B 61, H 83	14 m	4,3 W	without battery		AC-Control







The application image shows:
Centryxx
GSUN 3
Planox ECO

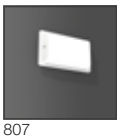
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EMERGENCY LIGHTING | Escape route illumination

Powerbox Flood
804-805


805

Varioplast I
806-807


807

Centryxx
808-813


809

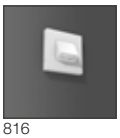

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Centryxx W
814-817

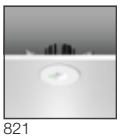

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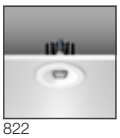

816

Lucio
818-819

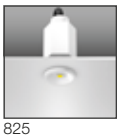

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Turia
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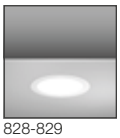

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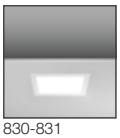
Edo
824-825

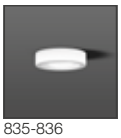

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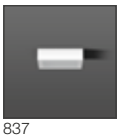

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Toledo Flat
826-839


828-829

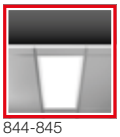

830-831


835-836


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Sidelite ECO
840-847


842-843


844-845

Sonis EVO
848-849


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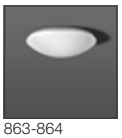
Planos LED
850-853


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Planox PRO
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857-859

Planox
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863-864

Flat Polymero
862-865

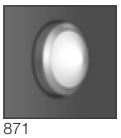

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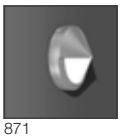
Flat Polymero Kreis
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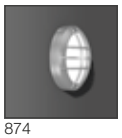
Cadero
868-869

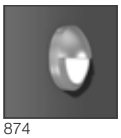

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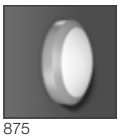

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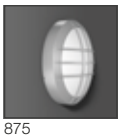
Alu-Design
870-871


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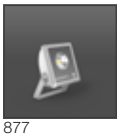

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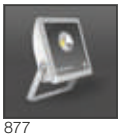

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Rounded
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Lightstream LED
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Portable safety spotlight
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SCL

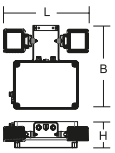
POWERBOX FLOOD

Safety stand spotlight

- IP 54 type of protection - dustproof and protected against water spray
- Robust model
- Suitable for rooms with high ceilings
- Ideal for free-standing emergency lighting systems
- Standard automatic self-test
- Long-lasting, low-maintenance LED technology
- Maintenance-free lead battery

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Safety stand spotlight | Powerbox Flood





Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

Luminaire housing: plastic, grey. Luminaire tops can be swivelled in all directions.
With 2.5 m power supply cable, including safety plug.

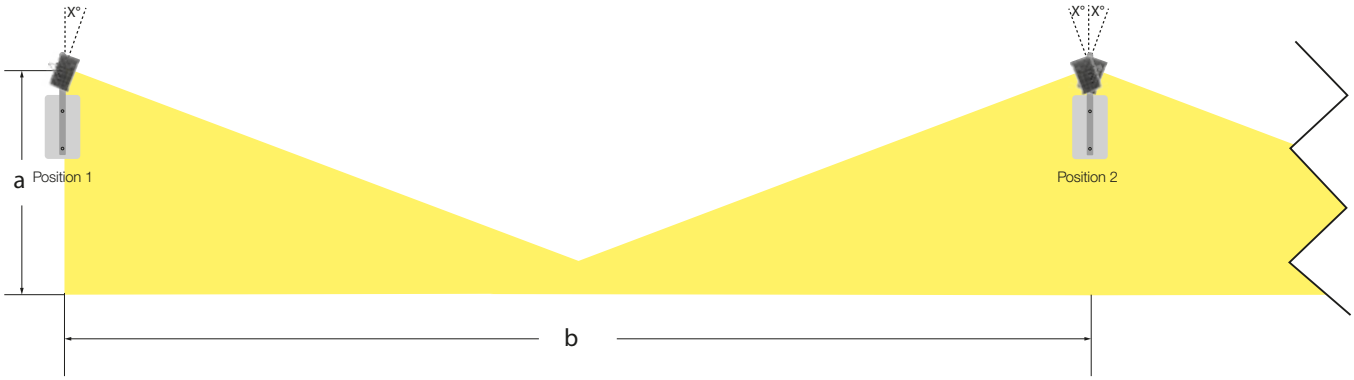
LED and maintenance-free lead battery included in scope of delivery.

Operating mode: non-maintained power mode (BS)

Available colour: 9 = grey

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
672196.009	L 395, B 128, H 470	765	2350 / 2400 lm	36 W	Pb	1 h	autotest
672197.009	L 395, B 128, H 470	765	2350 / 2400 lm	36 W	Pb	3 h	autotest

SCL



To determine the light point intervals, tops projecting the light parallel were arranged as follows:

	Number of projector tops in Position 1	Number of projector tops in Position 2
1	b1 ◄ ○○ ► b1	
2	○○ ► b1 ► b2	
3	b1 ◄ ○○ ► b3	◄ ○○ ► b1
4	○○ ►	◄ ○○ ► b1
5	○○ ► b5	◄ ○○

On the basis of this arrangement, the following intervals were calculated for illuminating the escape route with 1 lx

a/m	Layout 1		Layout 2		Layout 3		Layout 4		Layout 5	
	b1/m	X/°	b2/m	X/°	b3/m	X/°	b4/m	X/°	b5/m	X/°
4,0	18,0	10	22,5	5	49,0	10	54,0	10	66,0	10
5,0	19,5	15	24,5	5	53,0	10	60,0	10	67,0	10
6,0	21,0	15	25,7	10	53,0	10	63,0	10	72,0	10
8,0	22,6	20	30,0	15	58,0	10	64,0	10	75,0	10
10,0	23,0	25	30,5	20	62,0	20	70,0	20	81,0	15
12,0	24,0	30	32,0	25	64,0	25	73,0	20	83,0	20

a = mounting height in m - Position of the projector tops
b = range at 1 lx (distance from the next projector top in m)
X° = inclination of the projector tops in the direction of the escape route (floor)



VARIOPLAST I

Ceiling and wall luminaires

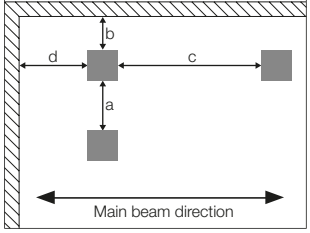
- IP 55 type of protection - dustproof and protected against water jets
- Ball impact protection in accordance with DIN 18032-03
- Installation-friendly construction with mounting plate
- Suitable for installation heights up to 8 metres
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.
- Suitable for use in the food and drink industry



Further luminaires of this series, see:
Emergency lighting | Escape route identification

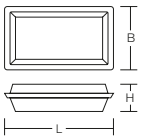
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Varioplast I





Type of Protection: **IP 55** for indoor use
Protection Class: I
Impact Protection: IK08

For escape route illumination

Base: plastic (polycarbonate). Diffuser: shockproof plastic (polycarbonate).
Ball impact proof in accordance with DIN 18032-03.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of non-conductive dust on the luminaire can be expected.

Available colours (X): 2 = white, 3 = black

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
672181.00X	L 320, B 186, H 80	840	780 / 220 lm	8,4 W	NiMh	3 h	autotest
672181.00X.04	L 320, B 186, H 80	840	780 / 220 lm	8,4 W	NiMh	3 h	MultiDigit
672181.00X.07	L 320, B 186, H 80	840	780 / 220 lm	8,4 W	NiMh	3 h	DALI-Sibe
672176.00X	L 320, B 186, H 80	840	790 / 190 lm	8,4 W	NiMh	**8 h**	autotest
672176.00X.04	L 320, B 186, H 80	840	790 / 190 lm	8,4 W	NiMh	**8 h**	MultiDigit
672176.00X.07	L 320, B 186, H 80	840	790 / 190 lm	8,4 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system							**Price Category 24**
672129.00X	L 320, B 186, H 80	763	350 / 350 lm	4,8 W	without battery		standard
672129.00X.89	L 320, B 186, H 80	763	350 / 350 lm	5,8 W	without battery		AC-Control
672182.00X	L 320, B 186, H 80	840	740 / 750 lm	7,4 W	without battery		standard
672182.00X.89	L 320, B 186, H 80	840	740 / 750 lm	8,4 W	without battery		AC-Control
Mounting kit for chains/cable suspensions							**Price Category 24**
982354.002	L 166, B 116, H 19						
Display cover							**Price Category 23**
982195.002	L 330, B 169, H 227	Viewing distance 15 m					
Weatherproof housing							**Price Category 24**
982477.014	L 383, B 220, H 109	silver metallic					
Replacement diffusers							**Price Category 13**
08-22070.002	L 296, B 162, H 44	Plastic (polycarbonate)					









672181.00X				
Luminous flux emergency: 220 lm Following values are indicated in m				
h	a	b	c	d
2,5	8,4	3,3	9,0	3,4
3,0	8,9	3,4	9,4	3,5
3,5	9,3	3,4	9,6	3,5
4,0	9,6	3,4	9,9	3,5

672176.00X				
Luminous flux emergency: 190 lm Following values are indicated in m				
h	a	b	c	d
2,5	8,0	3,1	8,5	3,2
3,0	8,5	3,2	8,8	3,3
3,5	8,8	3,2	9,1	3,3
4,0	9,0	3,2	9,2	3,2

672129.00X				
Luminous flux emergency: 350 lm Following values are indicated in m				
h	a	b	c	d
2,5	9,8	3,9	10,4	4,0
3,0	10,5	4,1	11,0	4,2
3,5	11,0	4,2	11,5	4,3
4,0	11,4	4,3	11,9	4,4

672182.00X				
Luminous flux emergency: 750 lm Following values are indicated in m				
h	a	b	c	d
2,5	12,2	4,9	13,0	5,2
3,0	13,2	5,3	14,0	5,6
3,5	14,0	5,6	14,9	5,9
4,0	14,7	5,8	15,6	6,1



CENTRYXX®

Ceiling luminaires

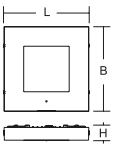
- IP 65 type of protection - dustproof and protected against water jets from all directions
- Exceedingly flat design to match modern architecture
- Ball impact protection in accordance with DIN 18032-03
- Wide luminaire spacing for escape routes thanks to special lenses
- Very low maintenance costs thanks to automatic self-test
- Best thermal management thanks to die cast aluminium base
- IP 65 versions suitable for use in the food and drink industry



Further luminaires of this series, see:
Emergency lighting | Escape route identification

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling luminaires | Centryxx IP65





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

For escape route illumination

Base: pressure die-cast aluminium, powder-coated. Cover: polycarbonate. Lens, plastic, for ideal light distribution on escape route. Ball impact proof in accordance with DIN 18032-03. Suitable for use in the food and drink industry.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
with lens, for area lighting							
672170.002.1 .Q	L 198, B 198, H 38	765	390 / 310 lm	6,7 W	NiMh	3 h	autotest
672170.002.1.04	L 198, B 198, H 38	765	390 / 310 lm	6,7 W	NiMh	3 h	MultiDigit
672170.002.1.07	L 198, B 198, H 38	765	390 / 310 lm	6,7 W	NiMh	3 h	DALI-Sibe
672282.002.1	L 198, B 198, H 38	765	400 / 130 lm	6,7 W	NiMh	**8 h**	autotest
672282.002.1.04	L 198, B 198, H 38	765	400 / 130 lm	6,7 W	NiMh	**8 h**	MultiDigit
672282.002.1.07	L 198, B 198, H 38	765	400 / 130 lm	6,7 W	NiMh	**8 h**	DALI-Sibe
with lens, for escape route illumination							
672170.002	L 198, B 198, H 38	765	390 / 310 lm	6,7 W	NiMh	3 h	autotest
672170.002.04	L 198, B 198, H 38	765	350 / 310 lm	6,7 W	NiMh	3 h	MultiDigit
672170.002.07	L 198, B 198, H 38	765	350 / 310 lm	6,7 W	NiMh	3 h	DALI-Sibe
672282.002	L 198, B 198, H 38	765	340 / 100 lm	6,7 W	NiMh	**8 h**	autotest
672282.002.04	L 198, B 198, H 38	765	340 / 100 lm	6,7 W	NiMh	**8 h**	MultiDigit
672282.002.07	L 198, B 198, H 38	765	340 / 100 lm	6,7 W	NiMh	**8 h**	DALI-Sibe
With narrow beam lens							
672170.002.2	L 198, B 198, H 38	765	370 / 340 lm	6,7 W	NiMh	3 h	autotest
672170.002.2.04	L 198, B 198, H 38	765	370 / 340 lm	6,7 W	NiMh	3 h	MultiDigit
672170.002.2.07	L 198, B 198, H 38	765	370 / 340 lm	6,7 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system							**Price Category 24**
with lens, for area lighting							
672294.002.1	L 198, B 198, H 38	765	220 / 220 lm	3,2 W	without battery		standard
672294.002.1.89	L 198, B 198, H 38	765	220 / 220 lm	4,2 W	without battery		AC-Control
672171.002.1	L 198, B 198, H 38	765	420 / 430 lm	5,7 W	without battery		standard
672171.002.1.89	L 198, B 198, H 38	765	420 / 430 lm	6,7 W	without battery		AC-Control
with lens, for escape route illumination							
672294.002	L 198, B 198, H 38	765	190 / 190 lm	3,2 W	without battery		standard
672294.002.89	L 198, B 198, H 38	765	190 / 190 lm	4,2 W	without battery		AC-Control
672171.002	L 198, B 198, H 38	765	360 / 360 lm	5,7 W	without battery		standard
672171.002.89	L 198, B 198, H 38	765	360 / 360 lm	6,7 W	without battery		AC-Control
With narrow beam lens							
672171.002.2	L 198, B 198, H 38	765	410 / 410 lm	5,7 W	without battery		standard
672171.002.2.89	L 198, B 198, H 38	765	410 / 410 lm	6,7 W	without battery		AC-Control

Mounting sets			**Price Category 23**
982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	
982341.002	L 130, B 130, H 18	Mounting kit for chains/cable suspensions	

Pendant kit for Self-contained safety luminaires			**Price Category 23**
982425.002	Pendant length LP 500	for standard variants	
982425.002.04	Pendant length LP 500	for MultiDigit (.04)	
982425.002.07	Pendant length LP 500	for DALI (.07)	



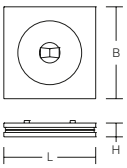
Pendant kit for Luminaires for central battery system			**Price Category 24**
982423.002	Pendant length LP 500	for standard variants	
982424.002	Pendant length LP 500	for AC-Control (.89)	

Frame attachment for wall installation for luminaires with lenses for area lighting		**Price Category 23**
982257.002	L 201, B 103, H 200	





Ceiling luminaires | Centryxx



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK05

For escape route illumination

Housing: pressure die-cast aluminium, powder-coated.
Lens, plastic, for ideal light distribution on escape route.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
with lens, for area lighting							
671840.002.1	L 180, B 180, H 32	765	170 / 140 lm	4,2 W	NiMh	3 h	autotest
671840.002.1.04	L 180, B 180, H 32	765	170 / 140 lm	4,2 W	NiMh	3 h	MultiDigit
671840.002.1.07	L 180, B 180, H 32	765	170 / 140 lm	4,2 W	NiMh	3 h	DALI-Sibe
671997.002.1.07	L 180, B 180, H 32	765	95 / 70 lm	3,4 W	NiMh	**8 h**	DALI-Sibe
with lens, for escape route illumination							
671840.002	L 180, B 180, H 32	765	150 / 140 lm	4,2 W	NiMh	3 h	autotest
671840.002.04	L 180, B 180, H 32	765	150 / 140 lm	4,2 W	NiMh	3 h	MultiDigit
671840.002.07	L 180, B 180, H 32	765	150 / 140 lm	4,2 W	NiMh	3 h	DALI-Sibe
671997.002.07	L 180, B 180, H 32	765	95 / 70 lm	3,4 W	NiMh	**8 h**	DALI-Sibe

SCL

Luminaires for central battery system							**Price Category 24**
with lens, for area lighting							
671841.002.1	L 180, B 180, H 32	765	170 / 170 lm	3,2 W	without battery		standard
671841.002.1.89	L 180, B 180, H 59	765	170 / 170 lm	4,2 W	without battery		AC-Control
with lens, for escape route illumination							
671841.002	L 180, B 180, H 32	765	170 / 170 lm	3,2 W	without battery		standard
671841.002.89	L 180, B 180, H 59	765	170 / 170 lm	4,2 W	without battery		AC-Control

CBS

Mounting kit for chains/cable suspensions		**Price Category 24**
981963.002	L 122, B 120, H 13	

Accessories | Installation box for Centryxx LED luminaires

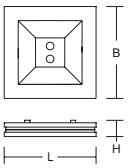
Flat installation box made of white coated sheet steel, with lateral cable inlets, for Centryxx emergency luminaires.



Mounting set for through wiring surface installation		**Price Category 23**
981921.002	L 123, B 123, H 33	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling luminaires | Centryxx 2-LED





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK05

For escape route illumination

Housing: pressure die-cast aluminium, powder-coated.
Lens, plastic, for ideal light distribution on escape route.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
with lens, for area lighting							
672023.002	L 180, B 180, H 32	765	320 / 280 lm	5,8 W	NiMh	3 h	autotest
672023.002.04	L 180, B 180, H 32	765	320 / 280 lm	5,8 W	NiMh	3 h	MultiDigit
672023.002.07	L 180, B 180, H 32	765	320 / 280 lm	5,8 W	NiMh	3 h	DALI-Sibe
with lens, for escape route illumination							
672022.002	L 180, B 180, H 32	765	280 / 280 lm	5,8 W	NiMh	3 h	autotest
672022.002.04	L 180, B 180, H 32	765	280 / 280 lm	5,8 W	NiMh	3 h	MultiDigit
672022.002.07	L 180, B 180, H 32	765	280 / 280 lm	5,8 W	NiMh	3 h	DALI-Sibe



Luminaires for central battery system							**Price Category 24**
with lens, for area lighting							
672011.002	L 180, B 180, H 32	765	340 / 340 lm	4,8 W	without battery		standard
672011.002.89	L 180, B 180, H 60	765	340 / 340 lm	5,8 W	without battery		AC-Control
with lens, for escape route illumination							
671999.002	L 180, B 180, H 32	765	340 / 340 lm	4,8 W	without battery		standard
671999.002.89	L 180, B 180, H 60	765	340 / 340 lm	5,8 W	without battery		AC-Control



Mounting kit for chains/cable suspensions		**Price Category 24**
981963.002	L 122, B 120, H 13	

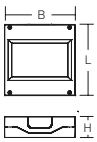
Accessories | Installation box for Centryxx LED luminaires
Flat installation box made of white coated sheet steel, with lateral cable inlets, for Centryxx emergency luminaires.

Mounting set for through wiring surface installation		**Price Category 23**
981921.002	L 123, B 123, H 33	





Ceiling luminaires | Centryxx IP65plus



Type of Protection: **IP 65** (also approved for use outdoors)
Protection Class: I
Impact Protection: IK07

For escape route illumination

Housing: pressure die-cast aluminium, powder-coated. Safety glass transparent. Lens, plastic, for ideal light distribution on escape route. Ball impact proof in accordance with DIN 18032-03.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
with lens, for area lighting							
672135.002	L 190, B 190, H 56	765	280 / 290 lm	5,8 W	NiMh	3 h	autotest
672135.002.04	L 190, B 190, H 56	765	280 / 290 lm	5,8 W	NiMh	3 h	MultiDigit
672135.002.07	L 190, B 190, H 56	765	280 / 290 lm	5,8 W	NiMh	3 h	DALI-Sibe
with lens, for escape route illumination							
672137.002	L 190, B 190, H 56	765	290 / 290 lm	5,8 W	NiMh	3 h	autotest
672137.002.04	L 190, B 190, H 56	765	290 / 290 lm	5,8 W	NiMh	3 h	MultiDigit
672137.002.07	L 190, B 190, H 56	765	290 / 290 lm	5,8 W	NiMh	3 h	DALI-Sibe
With narrow beam lens							
672118.002	L 190, B 190, H 56	765	320 / 320 lm	5,8 W	NiMh	3 h	autotest
672118.002.04	L 190, B 190, H 56	765	320 / 320 lm	5,8 W	NiMh	3 h	MultiDigit
672118.002.07	L 190, B 190, H 56	765	320 / 320 lm	5,8 W	NiMh	3 h	DALI-Sibe

CBS

Luminaires for central battery system							**Price Category 24**
with lens, for area lighting							
672136.002	L 190, B 190, H 56	765	280 / 290 lm	4,8 W	without battery		standard
672136.002.89	L 190, B 190, H 56	765	280 / 290 lm	5,8 W	without battery		AC-Control
with lens, for escape route illumination							
672138.002	L 190, B 190, H 56	765	290 / 290 lm	4,8 W	without battery		standard
672138.002.89	L 190, B 190, H 56	765	290 / 290 lm	5,8 W	without battery		AC-Control
With narrow beam lens							
672119.002	L 190, B 190, H 56	765	320 / 320 lm	4,8 W	without battery		standard
672119.002.89	L 190, B 190, H 56	765	320 / 320 lm	5,8 W	without battery		AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Centryxx IP65

672170.002.1

Luminous flux emergency: 310 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,7	4,2	9,7	4,2
3,0	10,9	4,5	10,9	4,5
3,5	11,8	4,8	11,8	4,8
4,0	12,6	5,0	12,6	5,0

672282.002.1

Luminous flux emergency: 130 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,2	8,0	3,2
3,0	8,7	3,3	8,7	3,3
3,5	9,1	3,3	9,1	3,3
4,0	9,4	3,1	9,4	3,1

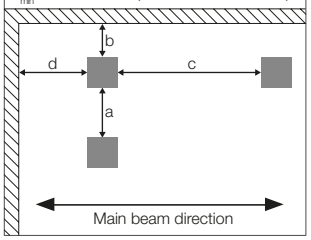
672170.002

Luminous flux emergency: 310 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,1	18,0	8,1
3,0	8,5	3,2	20,7	9,0
3,5	8,7	3,1	22,9	9,7
4,0	8,9	3,2	24,8	10,2

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672170.002.2

Luminous flux emergency: 340 lm
Following values are indicated in m

h	a	b	c	d
6,0	8,7	3,6	8,7	3,6
8,0	10,0	4,1	10,0	4,1
10,0	11,0	4,4	11,0	4,4
12,0	11,8	4,7	11,8	4,7

672282.002

Luminous flux emergency: 100 lm
Following values are indicated in m

h	a	b	c	d
2,5	5,0	1,7	14,4	6,2
3,0	5,1	1,6	15,8	5,6
3,5	5,0	1,3	16,6	5,1
4,0	4,8	1,0	16,5	3,4

672294.002.1

Luminous flux emergency: 220 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,9	3,8	9,2	3,8
3,0	10,0	4,1	10,0	4,1
3,5	10,9	4,2	10,8	4,2
4,0	11,4	4,3	11,4	4,3

672171.002.1

Luminous flux emergency: 430 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,5	4,5	10,5	4,5
3,0	11,7	4,9	11,7	4,9
3,5	12,8	5,3	12,8	5,3
4,0	13,7	5,5	13,7	5,5

672294.002

Luminous flux emergency: 190 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,5	2,4	15,4	7,1
3,0	6,8	2,4	17,9	8,1
3,5	6,9	2,3	20,1	8,5
4,0	6,9	2,3	21,4	7,8

672171.002.2

Luminous flux emergency: 410 lm
Following values are indicated in m

h	a	b	c	d
6,0	9,2	3,8	9,2	3,8
8,0	10,5	4,3	10,5	4,3
10,0	11,6	4,7	11,6	4,7
12,0	12,5	5,0	12,5	5,0

672171.002

Luminous flux emergency: 360 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,1	3,1	17,8	8,2
3,0	8,5	3,3	20,5	9,2
3,5	9,0	3,3	23,0	10,1
4,0	9,2	3,4	25,2	10,8

Centryxx

671840.002.1

Luminous flux emergency: 140 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,3	3,5	8,3	3,5
3,0	8,9	3,8	8,9	3,8
3,5	9,9	3,8	9,9	3,8
4,0	10,6	3,3	10,6	3,3

671997.002.1.07

Luminous flux emergency: 70 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,8	2,6	6,8	2,6
3,0	5,2	0,0	5,2	0,0
3,5	4,4	0,0	4,4	0,0
4,0	0,0	0,0	0,0	0,0

671840.002

Luminous flux emergency: 140 lm
Following values are indicated in m

h	a	b	c	d
2,5	1,1	0,3	15,7	7,5
3,0	1,0	0,3	18,5	8,8
3,5	1,0	0,3	21,1	9,9
4,0	0,9	0,2	23,7	10,9

671997.002.07

Luminous flux emergency: 70 lm
Following values are indicated in m

h	a	b	c	d
2,5	1,6	0,4	12,8	5,6
3,0	1,3	0,4	14,4	6,2
3,5	1,2	0,3	15,8	6,6
4,0	1,1	0,3	17,0	6,9

671841.002.1

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,6	3,5	8,6	3,5
3,0	9,2	3,9	9,2	3,9
3,5	10,0	4,2	10,0	4,2
4,0	10,8	4,3	10,8	4,3

671841.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	4,9	1,1	15,3	7,2
3,0	3,8	0,8	17,9	8,1
3,5	3,1	0,7	20,2	8,7
4,0	2,6	0,7	22,0	9,0

Centryxx 2-LED

672023.002

Luminous flux emergency: 280 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,7	4,1	10,7	4,1
3,0	10,7	4,6	10,7	4,6
3,5	11,7	5,0	11,7	5,0
4,0	12,7	5,2	12,7	5,2

672022.002

Luminous flux emergency: 280 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,4	1,6	17,5	7,8
3,0	6,4	1,4	19,8	8,9
3,5	4,7	1,1	22,1	9,8
4,0	4,2	0,9	24,3	10,5

672011.002

Luminous flux emergency: 340 lm
Following values are indicated in m

h	a	b	c	d
2,5	11,3	4,3	11,3	4,3
3,0	12,2	4,8	12,2	4,8
3,5	12,2	5,2	12,2	5,2
4,0	13,1	5,6	13,1	5,6

671999.002

Luminous flux emergency: 340 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,5	1,7	18,0	8,2
3,0	6,5	1,7	20,7	9,2
3,5	5,0	1,3	23,0	10,1
4,0	4,8	1,1	25,1	10,8

Centryxx IP65plus

672135.002

Luminous flux emergency: 290 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	4,1	9,5	4,1
3,0	10,7	4,6	10,7	4,6
3,5	11,7	5,0	11,7	5,0
4,0	12,6	5,2	12,6	5,2

672137.002

Luminous flux emergency: 290 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,9	2,9	12,6	6,0
3,0	8,0	2,3	14,8	6,9
3,5	7,9	2,1	16,8	7,8
4,0	7,1	1,8	18,7	8,6

672118.002

Luminous flux emergency: 320 lm
Following values are indicated in m

h	a	b	c	d
6,0	7,9	3,3	7,9	3,3
8,0	9,2	3,9	9,2	3,9
10,0	10,3	4,4	10,3	4,4
12,0	11,4	4,8	11,4	4,8

672119.002

Luminous flux emergency: 320 lm
Following values are indicated in m

h	a	b	c	d
6,0	7,9	3,2	7,9	3,2
8,0	9,2	3,9	9,2	3,9
10,0	10,3	4,4	10,3	4,4
12,0	11,4	4,8	11,4	4,8



SCL CBS

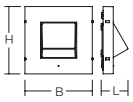
CENTRYXX®

Wall luminaires

- IP 65 type of protection - dustproof and protected against water jets from all directions
- Exceedingly flat design to match modern architecture
- Ball impact protection in accordance with DIN 18032-03
- Wide luminaire spacing for escape routes thanks to special lenses
- Very low maintenance costs thanks to automatic self-test
- Best thermal management thanks to die cast aluminium base
- IP 65 versions suitable for use in the food and drink industry

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Wall luminaires | Centryxx W IP65



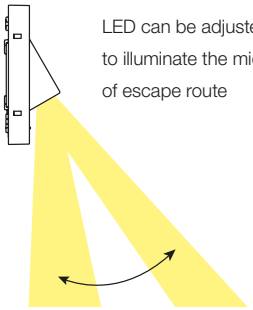


Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK08

For escape route illumination

Base: pressure die-cast aluminium, powder-coated. Cover: polycarbonate. LED lamp insert with clear plastic lenses for escape route illumination, can be swivelled vertically. Integral driver.

Available colour: 2 = white



LED can be adjusted to illuminate the middle of escape route

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
with lens, for area lighting							
672302.002.1	L 79, B 198, H 198	765	350 / 310 lm	6,7 W	NiMh	3 h	autotest
672302.002.1.04	L 79, B 198, H 198	765	350 / 310 lm	6,7 W	NiMh	3 h	MultiDigit
672302.002.1.07	L 79, B 198, H 198	765	350 / 310 lm	6,7 W	NiMh	3 h	DALI-Sibe
672303.002.1	L 79, B 198, H 198	765	350 / 110 lm	6,7 W	NiMh	**8 h**	autotest
672303.002.1.04	L 79, B 198, H 198	765	350 / 110 lm	6,7 W	NiMh	**8 h**	MultiDigit
672303.002.1.07	L 79, B 198, H 198	765	350 / 110 lm	6,7 W	NiMh	**8 h**	DALI-Sibe
with lens, for escape route illumination							
672302.002	L 79, B 198, H 198	765	300 / 270 lm	6,7 W	NiMh	3 h	autotest
672302.002.04	L 79, B 198, H 198	765	300 / 270 lm	6,7 W	NiMh	3 h	MultiDigit
672302.002.07	L 79, B 198, H 198	765	300 / 270 lm	6,7 W	NiMh	3 h	DALI-Sibe
672303.002	L 79, B 198, H 198	765	300 / 90 lm	6,7 W	NiMh	**8 h**	autotest
672303.002.04	L 79, B 198, H 198	765	300 / 90 lm	6,7 W	NiMh	**8 h**	MultiDigit
672303.002.07	L 79, B 198, H 198	765	300 / 90 lm	6,7 W	NiMh	**8 h**	DALI-Sibe



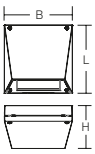
Luminaires for central battery system							**Price Category 24**
with lens, for area lighting							
672305.002.1	L 79, B 198, H 198	765	190 / 190 lm	3,2 W	without battery		standard
672305.002.1.89	L 79, B 198, H 198	765	190 / 190 lm	4,2 W	without battery		AC-Control
672304.002.1	L 79, B 198, H 198	765	350 / 350 lm	5,7 W	without battery		standard
672304.002.1.89	L 79, B 198, H 198	765	350 / 350 lm	6,7 W	without battery		AC-Control
with lens, for escape route illumination							
672305.002	L 79, B 198, H 198	765	160 / 160 lm	3,2 W	without battery		standard
672305.002.89	L 79, B 198, H 198	765	160 / 160 lm	4,2 W	without battery		AC-Control
672304.002	L 79, B 198, H 198	765	300 / 300 lm	5,7 W	without battery		standard
672304.002.89	L 79, B 198, H 198	765	300 / 300 lm	6,7 W	without battery		AC-Control



Mounting sets			**Price Category 23**
982274.002	L 110, B 104, H 14	Mounting set for through wiring surface installation	



Wall luminaires | Centryxx W IP65plus



Type of Protection: **IP 65** (also approved for use outdoors)
Protection Class: I
Impact Protection: IK07

For escape route illumination

Housing: pressure die-cast aluminium, powder-coated. Safety glass transparent.
Lens, plastic, for ideal light distribution on escape route.

Standard Gore™ Protective Vents diaphragm valve to prevent condensed water.

Available colours (X): 2 = white, 9 = graphite grey

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
with lens, for area lighting							
672139.00X	L 117, B 190, H 190	765	310 / 310 lm	5,8 W	NiMh	3 h	autotest
672139.00X.04	L 117, B 190, H 190	765	310 / 310 lm	5,8 W	NiMh	3 h	MultiDigit
672139.00X.07	L 117, B 190, H 190	765	310 / 310 lm	5,8 W	NiMh	3 h	DALI-Sibe
with lens, for escape route illumination							
672141.00X	L 117, B 190, H 190	765	240 / 250 lm	5,8 W	NiMh	3 h	autotest
672141.00X.04	L 117, B 190, H 190	765	240 / 250 lm	5,8 W	NiMh	3 h	MultiDigit
672141.00X.07	L 117, B 190, H 190	765	240 / 250 lm	5,8 W	NiMh	3 h	DALI-Sibe

CBS

Luminaires for central battery system							**Price Category 24**
with lens, for area lighting							
672140.00X	L 117, B 190, H 190	765	310 / 310 lm	4,8 W	without battery		standard
672140.00X.89	L 117, B 190, H 190	765	310 / 310 lm	5,8 W	without battery		AC-Control
with lens, for escape route illumination							
672142.00X	L 117, B 190, H 190	765	250 / 250 lm	4,8 W	without battery		standard
672142.00X.89	L 117, B 190, H 190	765	250 / 250 lm	5,8 W	without battery		AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Linus Lintner

The application image shows:
Centryxx IP65 (with accessories)



SCL CBS

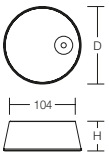
LUCIO

Universal downlight for surface or recessed mounting

- Wide luminaire spacing for escape routes thanks to special lenses
- Top quality LED technology
- Very low maintenance costs
- Compact design
- Easy to install
- Can be mounted on or in a ceiling for universal use

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Universal downlight for surface or recessed mounting | Lucio





Type of Protection: IP 30
Protection Class: II
Ceiling Thickness: 5-25 mm
Impact Protection: IK03

For escape route illumination

Housing: plastic. Accessories for recessed and surface mounting on the ceiling are included.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: non-maintained power mode (BS)

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Surface installation: D 120, H 45 mm / Mounting: D 120, H 3, DA 105, HE 42 mm with lens							
671918.002 .Q	D 120, H 3	763	110 lm	1,5 W	NiMh	3 h	autotest
671918.002.07	D 120, H 3	763	110 lm	1,5 W	NiMh	3 h	DALI-Sibe
without lens							
671917.002 .Q	D 120, H 3	763	100 lm	1,5 W	NiMh	3 h	autotest
671917.002.07	D 120, H 3	763	100 lm	1,5 W	NiMh	3 h	DALI-Sibe
Surface installation: D 120, H 45 mm / Mounting: D 120, H 3, DA 105, HE 46 mm with lens (High Power)							
672169.002 .Q	D 120, H 3	763	150 lm	3,4 W	NiMh	3 h	autotest
672169.002.07	D 120, H 3	763	150 lm	3,4 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system							**Price Category 24**
Surface installation: D 120, H 45 mm / Mounting: D 120, H 3, DA 105, HE 42 mm							
671916.002	D 120, H 3	763	130 lm	2 W	without battery		standard

SCL

CBS

671918.002

Luminous flux emergency: 110 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,1	3,1	4,0	1,7
3,0	8,6	3,3	4,5	1,9
3,5	8,7	3,7	4,9	2,0
4,0	9,1	4,0	5,3	2,1

671917.002

Luminous flux emergency: 100 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,4	2,7	6,4	2,7
3,0	7,1	2,9	7,1	2,9
3,5	7,7	2,9	7,7	2,9
4,0	8,2	2,8	8,2	2,8

672169.002

Luminous flux emergency: 150 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,2	0,6	6,2	0,6
3,0	3,1	0,0	3,1	0,0
3,5	1,8	0,0	1,8	0,0
4,0	0,6	0,0	0,6	0,0

672169.002.07

Luminous flux emergency: 150 lm
Following values are indicated in m

h	a	b	c	d
2,5	5,9	1,6	14,2	3,3
3,0	5,1	1,3	12,7	3,3
3,5	4,7	1,1	9,5	2,3
4,0	4,1	0,9	8,3	1,9

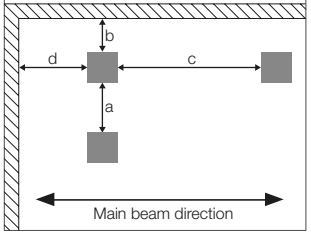
671916.002

Luminous flux emergency: 130 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,0	2,6	6,0	2,6
3,0	6,7	2,7	6,7	2,7
3,5	7,3	2,7	7,3	2,7
4,0	7,7	2,5	7,7	2,5

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8





SCL CBS

TURIA®

Recessed ceiling luminaires

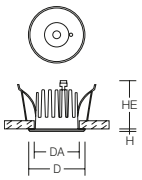
- Top quality LED technology
- Specially calculated thermal management
- Very low maintenance costs
- LED rated life 50,000 h
- Easy to install
- Extremely low profile
- Inconspicuous design
- The self-contained module and battery can be inserted and removed through the ceiling opening



Further luminaires of this series, see:
Emergency lighting | Escape route identification

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Recessed ceiling luminaires | Turia





Type of Protection: IP 20
Protection Class: II, I (for .89)
Ceiling Thickness: 15-35 mm
Impact Protection: IK03

For escape route illumination

Housing: die-cast aluminium. Bezel ring: plastic.
Emergency kit and battery in separate box with connecting cable.

Available colours (X): 2 = white, 3 = black

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Ceiling cut out DA 42 mm, HE 160 mm							
Operating mode BS							
671920.002	D 50, H 2	865	150 lm	1,5 W	NiMh	3 h	autotest
671920.002.07	D 50, H 2	865	150 lm	1,5 W	NiMh	3 h	DALI-Sibe
671920.003	D 50, H 2	865	150 lm	1,5 W	NiMh	3 h	autotest
671920.003.07	D 50, H 2	865	150 lm	1,5 W	NiMh	3 h	DALI-Sibe
Operating mode BS / DS							
671921.002	D 50, H 2	865	150 / 150 lm	3,4 W	NiMh	3 h	autotest
671921.002.07	D 50, H 2	865	150 / 150 lm	3,4 W	NiMh	3 h	DALI-Sibe
671921.003	D 50, H 2	865	150 / 150 lm	3,4 W	NiMh	3 h	autotest
671921.003.07	D 50, H 2	865	150 / 150 lm	3,4 W	NiMh	3 h	DALI-Sibe
671982.002.07	D 50, H 2	865	110 / 110 lm	3,4 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system							**Price Category 24**
Ceiling cut out DA 42 mm, HE 160 mm							
671919.002	D 50, H 2	865	150 / 150 lm	3,4 W	without battery		standard
671919.003	D 50, H 2	865	150 / 150 lm	3,4 W	without battery		standard
671919.002.89	D 50, H 2	865	150 / 150 lm	4,5 W	without battery		AC-Control
671919.003.89	D 50, H 2	865	150 / 150 lm	4,5 W	without battery		AC-Control

SCL

CBS

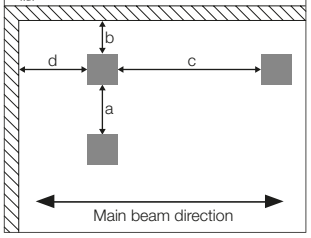
671920.002

Luminous flux emergency: 150 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,1	3,0	7,1	3,0
3,0	7,9	3,2	7,9	3,2
3,5	8,5	3,4	8,5	3,4
4,0	9,0	3,5	9,0	3,5

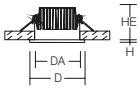
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8





Recessed ceiling luminaires | Turia L



Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-35 mm
Impact Protection: IK03

For escape route illumination

Housing: die-cast aluminium. Bezel ring: plastic, white.
Emergency kit and battery in separate box with connecting cable.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

SCL

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Ceiling cut out DA 54 mm, HE 185 mm							
with lens, for area lighting							
672016.002	D 61, H 4	865	140 / 140 lm	4,3 W	NiMh	3 h	autotest
672016.002.04	D 61, H 4	865	140 / 140 lm	4,3 W	NiMh	3 h	MultiDigit
672016.002.07	D 61, H 4	865	140 / 140 lm	4,3 W	NiMh	3 h	DALI-Sibe
672017.002.07	D 61, H 4	865	110 / 110 lm	3,8 W	NiMh	**8 h**	DALI-Sibe
with lens, for escape route illumination							
672002.002	D 61, H 4	865	140 / 140 lm	4,3 W	NiMh	3 h	autotest
672002.002.04	D 61, H 4	865	140 / 140 lm	4,3 W	NiMh	3 h	MultiDigit
672002.002.07	D 61, H 4	865	140 / 140 lm	4,3 W	NiMh	3 h	DALI-Sibe
672003.002.07	D 61, H 4	865	110 / 110 lm	3,8 W	NiMh	**8 h**	DALI-Sibe

CBS

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Ceiling cut out DA 54 mm, HE 185 mm						
with lens, for area lighting						
672014.002	D 61, H 5	865	170 / 170 lm	3,3 W	without battery	standard
672014.002.89	D 61, H 5	865	170 / 170 lm	4,3 W	without battery	AC-Control
with lens, for escape route illumination						
672000.002	D 61, H 4	865	170 / 170 lm	3,3 W	without battery	standard
672000.002.89	D 61, H 4	865	170 / 170 lm	4,3 W	without battery	AC-Control

672016.002

Luminous flux emergency: 140 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,2	3,5	8,2	3,5
3,0	9,1	3,9	9,1	3,9
3,5	9,9	4,2	9,9	4,2
4,0	9,8	0,5	9,8	0,5

672017.002.07

Luminous flux emergency: 105 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,4	8,0	3,4
3,0	8,9	3,8	8,9	3,8
3,5	9,7	4,1	9,7	4,1
4,0	8,2	0,0	8,2	0,0

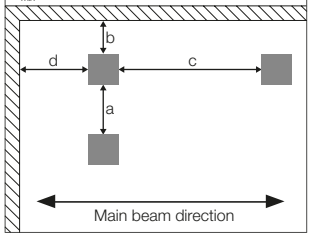
672002.002

Luminous flux emergency: 140 lm
Following values are indicated in m

h	a	b	c	d
2,5	2,3	0,4	14,8	6,3
3,0	1,7	0,4	16,4	6,7
3,5	1,3	0,4	17,6	7,2
4,0	1,3	0,4	18,4	7,7

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672014.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,5	3,6	8,5	3,6
3,0	9,5	4,0	9,5	4,0
3,5	10,3	4,4	10,3	4,4
4,0	11,1	4,6	11,1	4,6

672000.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	3,4	0,8	15,9	7,0
3,0	3,0	0,5	18,1	7,7
3,5	2,3	0,6	19,7	8,1
4,0	1,9	0,6	21,2	8,6

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



© Fernando Baena

The application image shows:
Turia



SCL CBS

EDO

Retrofit set, Recessed ceiling luminaires

- Top quality LED technology
- Wide luminaire spacing for escape route illumination
- Very low maintenance costs
- LED rated life 50,000 h
- Easy to install
- Compact design
- Inconspicuous design

672161.002.04

Luminous flux emergency: 90 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,0	2,6	7,0	2,6
3,0	7,3	2,6	7,3	2,6
3,5	7,4	2,5	7,4	2,5
4,0	7,4	2,2	7,4	2,2

672208.002

Luminous flux emergency: 80 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,5	2,5	6,5	2,5
3,0	6,9	2,5	6,9	2,5
3,5	7,1	2,3	7,1	2,3
4,0	7,1	2,1	7,1	2,1

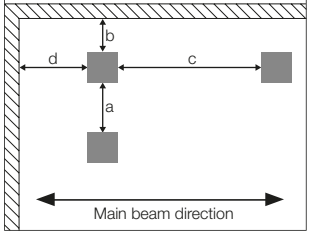
671927.002

Luminous flux emergency: 110 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,5	2,8	7,5	2,8
3,0	8,0	2,9	8,0	2,9
3,5	8,1	2,9	8,1	2,9
4,0	8,2	2,8	8,2	2,8

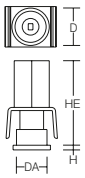
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Retrofit set, Recessed ceiling luminaires | Edo 3





Type of Protection: IP 20
Protection Class: II
Ceiling Thickness: 1-15 mm
Impact Protection: IK03

For escape route illumination

Housing: plastic, white. PCB and battery in separate gearbox, 400 mm cable.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Operating mode: non-maintained power mode (BS)

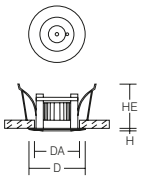
Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Cut out DA 10 mm, HE 40 mm							
672161.002.04	D 12, H 2	865	90 lm	2,5 W	NiMh	3 h	MultiDigit
672161.002.07	D 12, H 2	865	90 lm	2,5 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system							**Price Category 24**
Cut out DA 10 mm, HE 40 mm							
672208.002	D 12, L 650, H 2	865	80 lm	2,3 W	without battery		standard
672208.002.89	D 12, L 865, H 2	865	80 lm	3,3 W	without battery		AC-Control

SCL

CBS

Recessed ceiling luminaires | Edo 4





Type of Protection: IP 30
Protection Class: II
Ceiling Thickness: 15-35 mm
Impact Protection: IK03

For escape route illumination

Housing: die-cast aluminium. Bezel ring: plastic.
Control gear in separate box with connecting cable.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

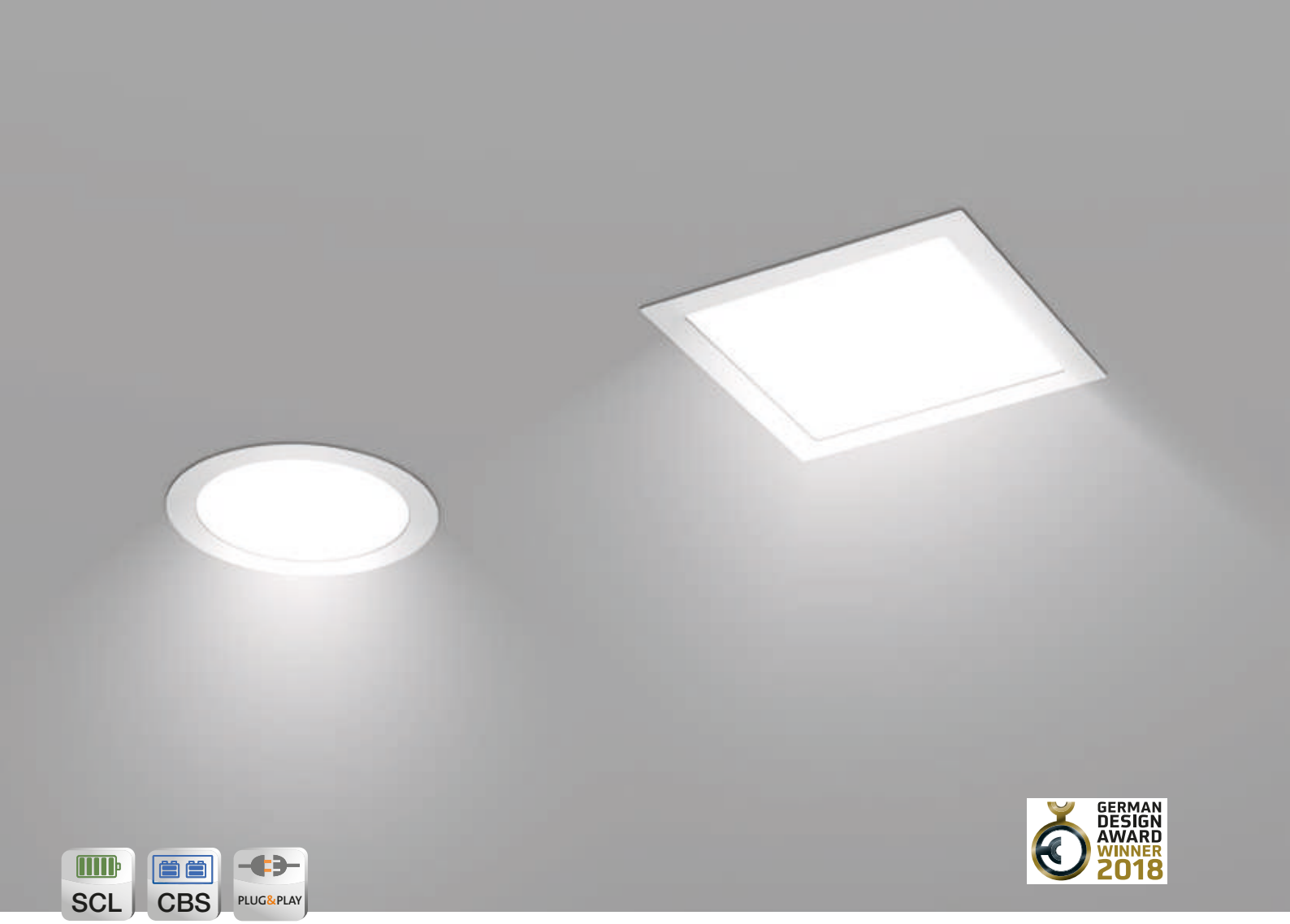
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Ceiling cut out DA 38 mm, HE 160 mm							
671927.002	D 50, H 3	865	110 lm	2,5 W	NiMh	3 h	autotest
671927.002.07	D 50, H 3	865	110 lm	2,5 W	NiMh	3 h	DALI-Sibe
Luminaires for central battery system							**Price Category 24**
Ceiling cut out DA 38 mm, HE 160 mm							
671936.002	D 50, H 3	865	110 lm	3 W	without battery		standard
671936.002.89	D 50, H 3	865	110 lm	4 W	without battery		AC-Control

SCL

CBS



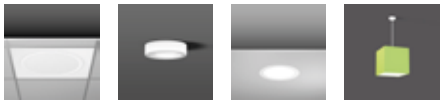
SCL CBS PLUG&PLAY

GERMAN DESIGN AWARD WINNER 2018

TOLEDO FLAT

Recessed downlights

- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- Wide luminaire spacing for escape route illumination
- Very low maintenance costs thanks to automatic self-test
- Ultra thin recessed LED downlight
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- LED rated life 50,000 h (L70, B10)
- Easy to install thanks to tool-free spring fastening system
- Can be directly covered with thermal insulation material (does not apply for D 495 mm diameter)
- Separate gearbox with connecting cable



Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted downlights
Indoor lighting | Recessed downlights
Indoor lighting | Fabric lampshade luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

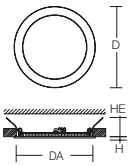


© Linus Lintner

The application image shows:
Toledo Flat
Andho



Recessed downlights | Toledo Flat Round



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03
Ceiling Thickness: 1-20 mm

For escape route illumination

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

CBS

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Diffuser: plastic, opal							
Ceiling cut out DA 128 mm, HE 150							
672220.002	D 148, H 2	830	390 / 310 lm	7,5 W	NiMh	3 h	autotest
672220.002.04	D 148, H 2	830	390 / 310 lm	7,5 W	NiMh	3 h	MultiDigit
672220.002.07	D 148, H 2	830	390 / 310 lm	7,5 W	NiMh	3 h	DALI-Sibe
672220.002.1	D 148, H 2	840	400 / 330 lm	7,5 W	NiMh	3 h	autotest
672220.002.1.04	D 148, H 2	840	400 / 330 lm	7,5 W	NiMh	3 h	MultiDigit
672220.002.1.07	D 148, H 2	840	400 / 330 lm	7,5 W	NiMh	3 h	DALI-Sibe
672221.002	D 148, H 2	830	390 / 140 lm	7,5 W	NiMh	**8 h**	autotest
672221.002.04	D 148, H 2	830	390 / 140 lm	7,5 W	NiMh	**8 h**	MultiDigit
672221.002.07	D 148, H 2	830	390 / 140 lm	7,5 W	NiMh	**8 h**	DALI-Sibe
672221.002.1	D 148, H 2	840	400 / 150 lm	7,5 W	NiMh	**8 h**	autotest
672221.002.1.04	D 148, H 2	840	400 / 150 lm	7,5 W	NiMh	**8 h**	MultiDigit
672221.002.1.07	D 148, H 2	840	400 / 150 lm	7,5 W	NiMh	**8 h**	DALI-Sibe
Ceiling cut out DA 170 mm, HE 120							
672222.002	D 190, H 3	830	740 / 370 lm	12 W	NiMh	3 h	autotest
672222.002.04	D 190, H 3	830	740 / 370 lm	12 W	NiMh	3 h	MultiDigit
672222.002.07	D 190, H 3	830	740 / 370 lm	12 W	NiMh	3 h	DALI-Sibe
672222.002.1	D 190, H 3	840	840 / 350 lm	12 W	NiMh	3 h	autotest
672222.002.1.04	D 190, H 3	840	840 / 350 lm	12 W	NiMh	3 h	MultiDigit
672222.002.1.07	D 190, H 3	840	840 / 350 lm	12 W	NiMh	3 h	DALI-Sibe
672223.002	D 190, H 3	830	740 / 160 lm	12 W	NiMh	**8 h**	autotest
672223.002.04	D 190, H 3	830	740 / 160 lm	12 W	NiMh	**8 h**	MultiDigit
672223.002.07	D 190, H 3	830	740 / 160 lm	12 W	NiMh	**8 h**	DALI-Sibe
672223.002.1	D 190, H 3	840	840 / 160 lm	12 W	NiMh	**8 h**	autotest
672223.002.1.04	D 190, H 3	840	840 / 160 lm	12 W	NiMh	**8 h**	MultiDigit
672223.002.1.07	D 190, H 3	840	840 / 160 lm	12 W	NiMh	**8 h**	DALI-Sibe
Ceiling cut out DA 234 mm, HE 100							
672224.002	D 255, H 3	830	1650 / 450 lm	20 W	NiMh	3 h	autotest
672224.002.04	D 255, H 3	830	1650 / 450 lm	20 W	NiMh	3 h	MultiDigit
672224.002.07	D 255, H 3	830	1650 / 450 lm	20 W	NiMh	3 h	DALI-Sibe
672224.002.1	D 255, H 3	840	1650 / 460 lm	20 W	NiMh	3 h	autotest
672224.002.1.04	D 255, H 3	840	1650 / 460 lm	20 W	NiMh	3 h	MultiDigit
672224.002.1.07	D 255, H 3	840	1650 / 460 lm	20 W	NiMh	3 h	DALI-Sibe
672225.002	D 255, H 3	830	1650 / 180 lm	20 W	NiMh	**8 h**	autotest
672225.002.04	D 255, H 3	830	1650 / 180 lm	20 W	NiMh	**8 h**	MultiDigit
672225.002.07	D 255, H 3	830	1650 / 180 lm	20 W	NiMh	**8 h**	DALI-Sibe
672225.002.1	D 255, H 3	840	1650 / 180 lm	20 W	NiMh	**8 h**	autotest
672225.002.1.04	D 255, H 3	840	1650 / 180 lm	20 W	NiMh	**8 h**	MultiDigit
672225.002.1.07	D 255, H 3	840	1650 / 180 lm	20 W	NiMh	**8 h**	DALI-Sibe
Ceiling cut out DA 288 mm, HE 90							
672226.002	D 317, H 3	830	2150 / 430 lm	26 W	NiMh	3 h	autotest
672226.002.04	D 317, H 3	830	2150 / 430 lm	26 W	NiMh	3 h	MultiDigit
672226.002.07	D 317, H 3	830	2150 / 430 lm	26 W	NiMh	3 h	DALI-Sibe
672226.002.1	D 317, H 3	840	2250 / 440 lm	26 W	NiMh	3 h	autotest
672226.002.1.04	D 317, H 3	840	2250 / 440 lm	26 W	NiMh	3 h	MultiDigit
672226.002.1.07	D 317, H 3	840	2250 / 440 lm	26 W	NiMh	3 h	DALI-Sibe
672227.002	D 317, H 3	830	2150 / 180 lm	26 W	NiMh	**8 h**	autotest
672227.002.04	D 317, H 3	830	2150 / 180 lm	26 W	NiMh	**8 h**	MultiDigit
672227.002.07	D 317, H 3	830	2150 / 180 lm	26 W	NiMh	**8 h**	DALI-Sibe
672227.002.1	D 317, H 3	840	2250 / 180 lm	26 W	NiMh	**8 h**	autotest
672227.002.1.04	D 317, H 3	840	2250 / 180 lm	26 W	NiMh	**8 h**	MultiDigit
672227.002.1.07	D 317, H 3	840	2250 / 180 lm	26 W	NiMh	**8 h**	DALI-Sibe

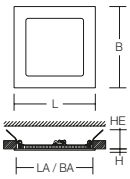
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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Diffuser: plastic, opal							
Ceiling cut out DA 470 mm, HE 70							
672384.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672384.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672384.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672384.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672384.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672384.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672385.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	**8 h**	autotest
672385.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	**8 h**	MultiDigit
672385.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	**8 h**	DALI-Sibe
672385.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	**8 h**	autotest
672385.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	**8 h**	MultiDigit
672385.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	**8 h**	DALI-Sibe
Diffuser: transparent plastic, microprismatic							
Ceiling cut out DA 470 mm, HE 70							
672382.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672382.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672382.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672382.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672382.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672382.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672383.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	**8 h**	autotest
672383.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	**8 h**	MultiDigit
672383.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	**8 h**	DALI-Sibe
672383.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	**8 h**	autotest
672383.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	**8 h**	MultiDigit
672383.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	**8 h**	DALI-Sibe

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Diffuser: plastic, opal						
Ceiling cut out DA 128 mm, HE 150						
672228.002	D 148, H 2	830	390 / 390 lm	5 W	without battery	standard
672228.002.1	D 148, H 2	840	400 / 400 lm	5 W	without battery	standard
672228.002.89	D 148, H 2	830	390 / 390 lm	6 W	without battery	AC-Control
672228.002.1.89	D 148, H 2	840	400 / 400 lm	6 W	without battery	AC-Control
Ceiling cut out DA 170 mm, HE 120						
672229.002	D 190, H 3	830	740 / 740 lm	9 W	without battery	standard
672229.002.1	D 190, H 3	840	840 / 840 lm	9 W	without battery	standard
672229.002.89	D 190, H 3	830	740 / 740 lm	10 W	without battery	AC-Control
672229.002.1.89	D 190, H 3	840	840 / 840 lm	10 W	without battery	AC-Control
Ceiling cut out DA 234 mm, HE 100						
672230.002	D 255, H 3	830	1650 / 1650 lm	18 W	without battery	standard
672230.002.1	D 255, H 3	840	1650 / 1650 lm	18 W	without battery	standard
672230.002.89	D 255, H 3	830	1650 / 1650 lm	19 W	without battery	AC-Control
672230.002.1.89	D 255, H 3	840	1650 / 1650 lm	19 W	without battery	AC-Control
Ceiling cut out DA 288 mm, HE 90						
672231.002	D 317, H 3	830	2150 / 2150 lm	23 W	without battery	standard
672231.002.1	D 317, H 3	840	2250 / 2250 lm	23 W	without battery	standard
672231.002.89	D 317, H 3	830	2150 / 2150 lm	24 W	without battery	AC-Control
672231.002.1.89	D 317, H 3	840	2250 / 2250 lm	24 W	without battery	AC-Control
Ceiling cut out DA 470 mm, HE 70						
672380.002	D 495, H 6	830	3550 / 3550 lm	35 W	without battery	standard
672380.002.1	D 495, H 6	840	3600 / 3600 lm	35 W	without battery	standard
672380.002.89	D 495, H 6	830	3550 / 3550 lm	36 W	without battery	AC-Control
672380.002.1.89	D 495, H 6	840	3600 / 3600 lm	36 W	without battery	AC-Control
Diffuser: transparent plastic, microprismatic						
Ceiling cut out DA 470 mm, HE 70						
672379.002	D 495, H 6	830	3450 / 3450 lm	35 W	without battery	standard
672379.002.1	D 495, H 6	840	3550 / 3550 lm	35 W	without battery	standard
672379.002.89	D 495, H 6	830	3450 / 3450 lm	36 W	without battery	AC-Control
672379.002.1.89	D 495, H 6	840	3550 / 3550 lm	36 W	without battery	AC-Control



Recessed downlights | Toledo Flat Square



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03
Ceiling Thickness: 1-20 mm

For escape route illumination

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

SCL

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Ceiling cut out LA 96 x BA 96 mm, HE 170 mm							
672233.002	L 110, B 110, H 3	830	370 / 280 lm	7,2 W	NiMh	3 h	autotest
672233.002.04	L 110, B 110, H 3	830	370 / 280 lm	7,2 W	NiMh	3 h	MultiDigit
672233.002.07	L 110, B 110, H 3	830	370 / 280 lm	7,2 W	NiMh	3 h	DALI-Sibe
672233.002.1	L 110, B 110, H 3	840	380 / 330 lm	7,2 W	NiMh	3 h	autotest
672233.002.1.04	L 110, B 110, H 3	840	380 / 330 lm	7,2 W	NiMh	3 h	MultiDigit
672233.002.1.07	L 110, B 110, H 3	840	380 / 330 lm	7,2 W	NiMh	3 h	DALI-Sibe
672234.002	L 110, B 110, H 3	830	370 / 120 lm	7,2 W	NiMh	**8 h**	autotest
672234.002.04	L 110, B 110, H 3	830	370 / 120 lm	7,2 W	NiMh	**8 h**	MultiDigit
672234.002.07	L 110, B 110, H 3	830	370 / 120 lm	7,2 W	NiMh	**8 h**	DALI-Sibe
672234.002.1	L 110, B 110, H 3	840	380 / 130 lm	7,2 W	NiMh	**8 h**	autotest
672234.002.1.04	L 110, B 110, H 3	840	380 / 130 lm	7,2 W	NiMh	**8 h**	MultiDigit
672234.002.1.07	L 110, B 110, H 3	840	380 / 130 lm	7,2 W	NiMh	**8 h**	DALI-Sibe
Ceiling cut out LA 156 x BA 156 mm, HE 110 mm							
672235.002	L 172, B 172, H 3	830	730 / 350 lm	11 W	NiMh	3 h	autotest
672235.002.04	L 172, B 172, H 3	830	730 / 350 lm	11 W	NiMh	3 h	MultiDigit
672235.002.07	L 172, B 172, H 3	830	730 / 350 lm	11 W	NiMh	3 h	DALI-Sibe
672235.002.1	L 172, B 172, H 3	840	750 / 340 lm	11 W	NiMh	3 h	autotest
672235.002.1.04	L 172, B 172, H 3	840	750 / 340 lm	11 W	NiMh	3 h	MultiDigit
672235.002.1.07	L 172, B 172, H 3	840	750 / 340 lm	11 W	NiMh	3 h	DALI-Sibe
672236.002	L 172, B 172, H 3	830	730 / 160 lm	11 W	NiMh	**8 h**	autotest
672236.002.04	L 172, B 172, H 3	830	730 / 160 lm	11 W	NiMh	**8 h**	MultiDigit
672236.002.07	L 172, B 172, H 3	830	730 / 160 lm	11 W	NiMh	**8 h**	DALI-Sibe
672236.002.1	L 172, B 172, H 3	840	730 / 150 lm	11 W	NiMh	**8 h**	autotest
672236.002.1.04	L 172, B 172, H 3	840	730 / 150 lm	11 W	NiMh	**8 h**	MultiDigit
672236.002.1.07	L 172, B 172, H 3	840	730 / 150 lm	11 W	NiMh	**8 h**	DALI-Sibe
Ceiling cut out LA 208 x BA 208 mm, HE 100 mm							
672237.002	L 225, B 225, H 3	830	1600 / 440 lm	20 W	NiMh	3 h	autotest
672237.002.04	L 225, B 225, H 3	830	1600 / 440 lm	20 W	NiMh	3 h	MultiDigit
672237.002.07	L 225, B 225, H 3	830	1600 / 440 lm	20 W	NiMh	3 h	DALI-Sibe
672237.002.1	L 225, B 225, H 3	840	1650 / 450 lm	20 W	NiMh	3 h	autotest
672237.002.1.04	L 225, B 225, H 3	840	1650 / 450 lm	20 W	NiMh	3 h	MultiDigit
672237.002.1.07	L 225, B 225, H 3	840	1650 / 450 lm	20 W	NiMh	3 h	DALI-Sibe
672238.002	L 225, B 225, H 3	830	1600 / 170 lm	20 W	NiMh	**8 h**	autotest
672238.002.04	L 225, B 225, H 3	830	1600 / 170 lm	20 W	NiMh	**8 h**	MultiDigit
672238.002.07	L 225, B 225, H 3	830	1600 / 170 lm	20 W	NiMh	**8 h**	DALI-Sibe
672238.002.1	L 225, B 225, H 3	840	1650 / 180 lm	20 W	NiMh	**8 h**	autotest
672238.002.1.04	L 225, B 225, H 3	840	1650 / 180 lm	20 W	NiMh	**8 h**	MultiDigit
672238.002.1.07	L 225, B 225, H 3	840	1650 / 180 lm	20 W	NiMh	**8 h**	DALI-Sibe
Ceiling cut out LA 280 x BA 280 mm, HE 90 mm							
672239.002	L 300, B 300, H 3	830	2050 / 420 lm	25 W	NiMh	3 h	autotest
672239.002.04	L 300, B 300, H 3	830	2050 / 420 lm	25 W	NiMh	3 h	MultiDigit
672239.002.07	L 300, B 300, H 3	830	2050 / 420 lm	25 W	NiMh	3 h	DALI-Sibe
672239.002.1	L 300, B 300, H 3	840	2200 / 430 lm	25 W	NiMh	3 h	autotest
672239.002.1.04	L 300, B 300, H 3	840	2200 / 430 lm	25 W	NiMh	3 h	MultiDigit
672239.002.1.07	L 300, B 300, H 3	840	2200 / 430 lm	25 W	NiMh	3 h	DALI-Sibe
672240.002	L 300, B 300, H 3	830	2050 / 170 lm	25 W	NiMh	**8 h**	autotest
672240.002.04	L 300, B 300, H 3	830	2050 / 170 lm	25 W	NiMh	**8 h**	MultiDigit
672240.002.07	L 300, B 300, H 3	830	2050 / 170 lm	25 W	NiMh	**8 h**	DALI-Sibe
672240.002.1	L 300, B 300, H 3	840	2200 / 180 lm	25 W	NiMh	**8 h**	autotest
672240.002.1.04	L 300, B 300, H 3	840	2200 / 180 lm	25 W	NiMh	**8 h**	MultiDigit
672240.002.1.07	L 300, B 300, H 3	840	2200 / 180 lm	25 W	NiMh	**8 h**	DALI-Sibe

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.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
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Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Ceiling cut out LA 96 x BA 96 mm, HE 170 mm						
672241.002	L 110, B 110, H 3	830	370 / 370 lm	4,7 W	without battery	standard
672241.002.1	L 110, B 110, H 3	840	380 / 380 lm	4,7 W	without battery	standard
672241.002.89	L 110, B 110, H 3	830	370 / 370 lm	5,7 W	without battery	AC-Control
672241.002.1.89	L 110, B 110, H 3	840	380 / 380 lm	5,7 W	without battery	AC-Control
Ceiling cut out LA 156 x BA 156 mm, HE 110 mm						
672242.002	L 172, B 172, H 3	830	730 / 730 lm	8 W	without battery	standard
672242.002.1	L 172, B 172, H 3	840	750 / 750 lm	8 W	without battery	standard
672242.002.89	L 172, B 172, H 3	830	730 / 730 lm	9 W	without battery	AC-Control
672242.002.1.89	L 172, B 172, H 3	840	750 / 750 lm	9 W	without battery	AC-Control
Ceiling cut out LA 208 x BA 208 mm, HE 100 mm						
672243.002	L 225, B 225, H 3	830	1600 / 1600 lm	18 W	without battery	standard
672243.002.1	L 225, B 225, H 3	840	1650 / 1650 lm	18 W	without battery	standard
672243.002.89	L 225, B 225, H 3	830	1600 / 1600 lm	19 W	without battery	AC-Control
672243.002.1.89	L 225, B 225, H 3	840	1650 / 1650 lm	19 W	without battery	AC-Control
Ceiling cut out LA 280 x BA 280 mm, HE 90 mm						
672244.002	L 300, B 300, H 3	830	2050 / 2050 lm	22 W	without battery	standard
672244.002.1	L 300, B 300, H 3	840	2200 / 2200 lm	22 W	without battery	standard
672244.002.89	L 300, B 300, H 3	830	2050 / 2050 lm	23 W	without battery	AC-Control
672244.002.1.89	L 300, B 300, H 3	840	2200 / 2200 lm	23 W	without battery	AC-Control

CBS

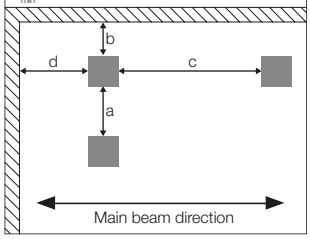


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The application image shows:
Toledo Flat
Halyxx

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1lx centre line, maintenance factor: 0,8



672220.002

Luminous flux emergency: 310 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,7	3,9	9,7	3,9
3,0	10,4	4,1	10,4	4,1
3,5	11,1	4,3	11,1	4,3
4,0	11,6	4,4	11,6	4,4

672220.002.1

Luminous flux emergency: 330 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,9	4,0	9,9	4,0
3,0	10,6	4,2	10,6	4,2
3,5	11,3	4,4	11,3	4,4
4,0	11,8	4,5	11,8	4,5

672221.002

Luminous flux emergency: 140 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,6	2,9	7,6	2,9
3,0	8,0	3,0	8,0	3,0
3,5	8,3	3,0	8,3	3,0
4,0	8,5	2,9	8,5	2,9

672221.002.1

Luminous flux emergency: 150 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,7	3,0	7,7	3,0
3,0	8,2	3,1	8,2	3,1
3,5	8,5	3,1	8,5	3,1
4,0	8,8	3,1	8,8	3,1

672222.002

Luminous flux emergency: 370 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,3	4,2	10,3	4,2
3,0	11,1	4,4	11,1	4,4
3,5	11,8	4,6	11,8	4,6
4,0	12,4	4,8	12,4	4,8

672222.002.1

Luminous flux emergency: 350 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,1	4,1	10,1	4,1
3,0	10,9	4,3	10,9	4,3
3,5	11,5	4,5	11,5	4,5
4,0	12,1	4,7	12,1	4,7

672223.002

Luminous flux emergency: 160 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,1	8,0	3,1
3,0	8,5	3,2	8,5	3,2
3,5	8,8	3,2	8,8	3,2
4,0	9,0	3,2	9,0	3,2

672223.002.1

Luminous flux emergency: 160 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,9	3,1	7,9	3,1
3,0	8,4	3,2	8,4	3,2
3,5	8,8	3,2	8,8	3,2
4,0	9,0	3,2	9,0	3,2

672224.002

Luminous flux emergency: 450 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,8	4,4	10,8	4,4
3,0	11,7	4,7	11,7	4,7
3,5	12,5	4,9	12,5	4,9
4,0	13,1	5,1	13,1	5,1

672224.002.1

Luminous flux emergency: 460 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,9	4,4	10,9	4,4
3,0	11,8	4,7	11,8	4,7
3,5	12,5	5,0	12,5	5,0
4,0	13,2	5,2	13,2	5,2

672225.002

Luminous flux emergency: 180 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,2	3,2	8,2	3,2
3,0	8,7	3,3	8,7	3,3
3,5	9,1	3,4	9,1	3,4
4,0	9,4	3,4	9,4	3,4

672226.002

Luminous flux emergency: 430 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,6	4,3	10,6	4,3
3,0	11,5	4,6	11,5	4,6
3,5	12,2	4,8	12,2	4,8
4,0	12,9	5,0	12,9	5,0

672226.002.1

Luminous flux emergency: 440 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,8	4,4	10,8	4,4
3,0	11,6	4,7	11,6	4,7
3,5	12,4	4,9	12,4	4,9
4,0	13,0	5,1	13,0	5,1

672228.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,4	4,2	10,4	4,2
3,0	11,3	4,5	11,3	4,5
3,5	11,9	4,7	11,9	4,7
4,0	12,5	4,9	12,5	4,9

672228.002.1

Luminous flux emergency: 400 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,5	4,2	10,5	4,2
3,0	11,3	4,5	11,3	4,5
3,5	12,0	4,7	12,0	4,7
4,0	12,6	4,9	12,6	4,9

672229.002

Luminous flux emergency: 740 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,5	5,1	12,5	5,1
3,0	13,6	5,5	13,6	5,5
3,5	14,5	5,9	14,5	5,9
4,0	15,3	6,1	15,3	6,1

672229.002.1

Luminous flux emergency: 840 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,9	5,3	12,9	5,3
3,0	14,1	5,7	14,1	5,7
3,5	15,0	6,1	15,0	6,1
4,0	15,9	6,4	15,9	6,4

672230.002

Luminous flux emergency: 1650 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,4	6,4	15,4	6,4
3,0	16,8	7,0	16,8	7,0
3,5	18,1	7,4	18,1	7,4
4,0	19,2	7,9	19,2	7,9

672231.002

Luminous flux emergency: 2150 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,4	6,8	16,4	6,8
3,0	17,9	7,4	17,9	7,4
3,5	19,2	8,0	19,2	8,0
4,0	20,5	8,4	20,5	8,4

672231.002.1

Luminous flux emergency: 2250 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,5	6,9	16,5	6,9
3,0	18,1	7,5	18,1	7,5
3,5	19,5	8,1	19,5	8,1
4,0	20,7	8,5	20,7	8,5

672233.002

Luminous flux emergency: 280 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,8	9,5	3,8
3,0	10,2	4,0	10,2	4,0
3,5	10,7	4,1	10,7	4,1
4,0	11,2	4,2	11,2	4,2

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

672233.002.1

Luminous flux emergency: 330 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,9	4,0	9,9	4,0
3,0	10,7	4,2	10,7	4,2
3,5	11,3	4,4	11,3	4,4
4,0	11,8	4,5	11,8	4,5

672234.002

Luminous flux emergency: 120 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,2	2,7	7,2	2,7
3,0	7,6	2,8	7,6	2,8
3,5	7,8	2,7	7,8	2,7
4,0	7,9	2,6	7,9	2,6

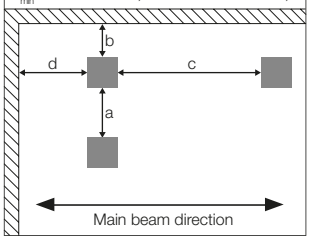
672234.002.1

Luminous flux emergency: 130 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,4	2,8	7,4	2,8
3,0	7,8	2,9	7,8	2,9
3,5	8,1	2,9	8,1	2,9
4,0	8,2	2,8	8,2	2,8

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672235.002

Luminous flux emergency: 350 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,2	4,1	10,2	4,1
3,0	10,9	4,3	10,9	4,3
3,5	11,6	4,5	11,6	4,5
4,0	12,1	4,7	12,1	4,7

672235.002.1

Luminous flux emergency: 340 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,0	4,0	10,0	4,0
3,0	10,8	4,3	10,8	4,3
3,5	11,4	4,5	11,4	4,5
4,0	12,0	4,6	12,0	4,6

672236.002

Luminous flux emergency: 160 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,1	8,0	3,1
3,0	8,5	3,2	8,5	3,2
3,5	8,8	3,2	8,8	3,2
4,0	9,0	3,2	9,0	3,2

672236.002.1

Luminous flux emergency: 150 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,8	3,0	7,8	3,0
3,0	8,2	3,1	8,2	3,1
3,5	8,6	3,1	8,6	3,1
4,0	8,8	3,0	8,8	3,0

672237.002

Luminous flux emergency: 440 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,8	4,4	10,8	4,4
3,0	11,6	4,7	11,6	4,7
3,5	12,4	4,9	12,4	4,9
4,0	13,0	5,1	13,0	5,1

672237.002.1

Luminous flux emergency: 450 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,8	4,4	10,8	4,4
3,0	11,7	4,7	11,7	4,7
3,5	12,5	4,9	12,5	4,9
4,0	13,1	5,1	13,1	5,1

672238.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,1	3,1	8,1	3,1
3,0	8,6	3,3	8,6	3,3
3,5	8,9	3,3	8,9	3,3
4,0	9,2	3,3	9,2	3,3

672238.002.1

Luminous flux emergency: 180 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,2	3,2	8,2	3,2
3,0	8,7	3,3	8,7	3,3
3,5	9,1	3,4	9,1	3,4
4,0	9,4	3,4	9,4	3,4

672239.002

Luminous flux emergency: 420 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,6	4,3	10,6	4,3
3,0	11,5	4,6	11,5	4,6
3,5	12,2	4,8	12,2	4,8
4,0	12,8	5,0	12,8	5,0

672239.002.1

Luminous flux emergency: 430 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,7	4,3	10,7	4,3
3,0	11,5	4,6	11,5	4,6
3,5	12,3	4,8	12,3	4,8
4,0	12,9	5,0	12,9	5,0

672240.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,1	3,1	8,1	3,1
3,0	8,6	3,3	8,6	3,3
3,5	9,0	3,3	9,0	3,3
4,0	9,2	3,3	9,2	3,3

672241.002

Luminous flux emergency: 370 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,3	4,1	10,3	4,1
3,0	11,1	4,4	11,1	4,4
3,5	11,8	4,6	11,8	4,6
4,0	12,3	4,8	12,3	4,8

672241.002.1

Luminous flux emergency: 380 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,3	4,2	10,3	4,2
3,0	11,1	4,4	11,1	4,4
3,5	11,8	4,6	11,8	4,6
4,0	12,4	4,8	12,4	4,8

672242.002

Luminous flux emergency: 730 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,3	5,0	12,3	5,0
3,0	13,4	5,4	13,4	5,4
3,5	14,3	5,8	14,3	5,8
4,0	15,1	6,1	15,1	6,1

672242.002.1

Luminous flux emergency: 750 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,4	5,1	12,4	5,1
3,0	13,5	5,5	13,5	5,5
3,5	14,4	5,8	14,4	5,8
4,0	15,2	6,1	15,2	6,1

672243.002

Luminous flux emergency: 1600 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,2	6,3	15,2	6,3
3,0	16,6	6,8	16,6	6,8
3,5	17,8	7,3	17,8	7,3
4,0	18,9	7,8	18,9	7,8

672243.002.1

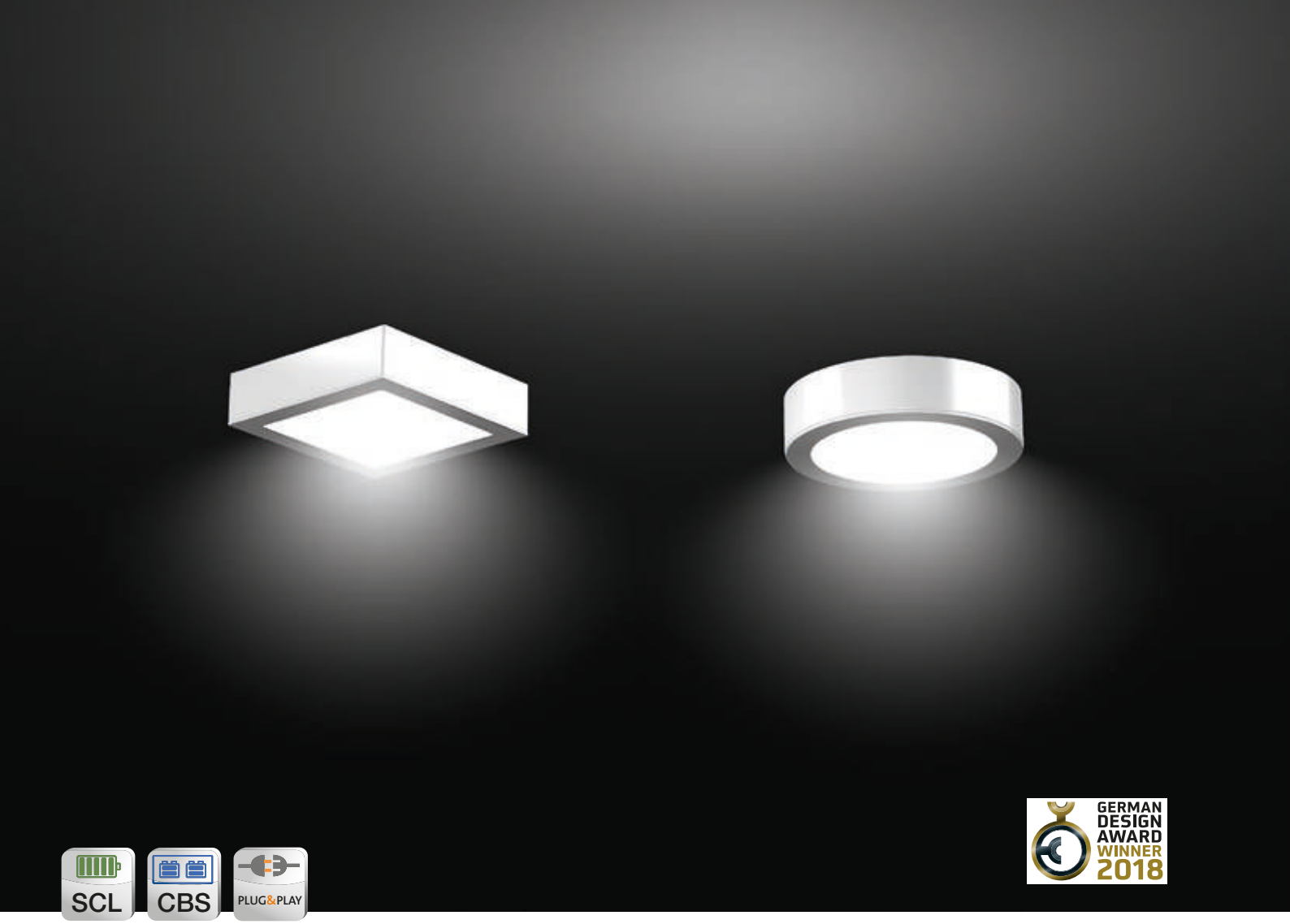
Luminous flux emergency: 1650 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,3	6,3	15,3	6,3
3,0	16,7	6,9	16,7	6,9
3,5	17,9	7,4	17,9	7,4
4,0	19,1	7,8	19,1	7,8

672244.002

Luminous flux emergency: 2050 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,3	6,8	16,3	6,8
3,0	17,8	7,4	17,8	7,4
3,5	19,1	7,9	19,1	7,9
4,0	20,4	8,4	20,4	8,4



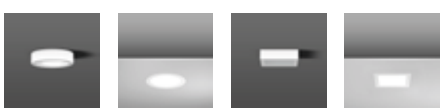
SCL CBS PLUG&PLAY

GERMAN DESIGN AWARD WINNER 2018

TOLEDO FLAT

Surface mounted downlights

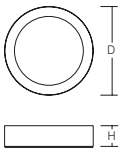
- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- LED rated life 50,000 h (L70, B10)
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Also suitable for large ceiling heights
- Easy to install
- Wide luminaire spacing for escape route illumination
- Inconspicuous design



Further luminaires of this series, see:
Indoor lighting | Surface mounted downlights
Indoor lighting | Recessed downlights

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Surface mounted downlights | Toledo Flat Round





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK06

For escape route illumination

Cylinder housing sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Lightguide and diffuser made of non-yellowing PMMA.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

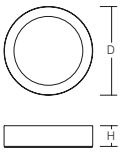
Ballast mains/emergency: EB



Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Diffuser: plastic, opal							
Diameter D 257 mm							
672271.002	D 257, H 63	830	1650 / 450 lm	20 W	NiMh	3 h	autotest
672271.002.04	D 257, H 63	830	1650 / 450 lm	20 W	NiMh	3 h	MultiDigit
672271.002.07	D 257, H 63	830	1650 / 450 lm	20 W	NiMh	3 h	DALI-Sibe
672271.002.1	D 257, H 63	840	1650 / 460 lm	20 W	NiMh	3 h	autotest
672271.002.1.04	D 257, H 63	840	1650 / 460 lm	20 W	NiMh	3 h	MultiDigit
672271.002.1.07	D 257, H 63	840	1650 / 460 lm	20 W	NiMh	3 h	DALI-Sibe
672272.002	D 257, H 63	830	1650 / 180 lm	20 W	NiMh	**8 h**	autotest
672272.002.04	D 257, H 63	830	1650 / 180 lm	20 W	NiMh	**8 h**	MultiDigit
672272.002.07	D 257, H 63	830	1650 / 180 lm	20 W	NiMh	**8 h**	DALI-Sibe
672272.002.1	D 257, H 63	840	1650 / 180 lm	20 W	NiMh	**8 h**	autotest
672272.002.1.04	D 257, H 63	840	1650 / 180 lm	20 W	NiMh	**8 h**	MultiDigit
672272.002.1.07	D 257, H 63	840	1650 / 180 lm	20 W	NiMh	**8 h**	DALI-Sibe
Diameter D 319 mm							
672273.002	D 319, H 63	830	2150 / 430 lm	26 W	NiMh	3 h	autotest
672273.002.04	D 319, H 63	830	2150 / 430 lm	26 W	NiMh	3 h	MultiDigit
672273.002.07	D 319, H 63	830	2150 / 430 lm	26 W	NiMh	3 h	DALI-Sibe
672273.002.1	D 319, H 63	840	2250 / 440 lm	26 W	NiMh	3 h	autotest
672273.002.1.04	D 319, H 63	840	2250 / 440 lm	26 W	NiMh	3 h	MultiDigit
672273.002.1.07	D 319, H 63	840	2250 / 440 lm	26 W	NiMh	3 h	DALI-Sibe
672274.002	D 319, H 63	830	2150 / 180 lm	26 W	NiMh	**8 h**	autotest
672274.002.04	D 319, H 63	830	2150 / 180 lm	26 W	NiMh	**8 h**	MultiDigit
672274.002.07	D 319, H 63	830	2150 / 180 lm	26 W	NiMh	**8 h**	DALI-Sibe
672274.002.1	D 319, H 63	840	2250 / 180 lm	26 W	NiMh	**8 h**	autotest
672274.002.1.04	D 319, H 63	840	2250 / 180 lm	26 W	NiMh	**8 h**	MultiDigit
672274.002.1.07	D 319, H 63	840	2250 / 180 lm	26 W	NiMh	**8 h**	DALI-Sibe
Diameter D 500 mm							
672350.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672350.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672350.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672350.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672350.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672350.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672351.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	**8 h**	autotest
672351.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	**8 h**	MultiDigit
672351.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	**8 h**	DALI-Sibe
672351.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	**8 h**	autotest
672351.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	**8 h**	MultiDigit
672351.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	**8 h**	DALI-Sibe
Diffuser: transparent plastic, microprismatic							
Diameter D 500 mm							
672352.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672352.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672352.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672352.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672352.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672352.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672353.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	**8 h**	autotest
672353.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	**8 h**	MultiDigit
672353.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	**8 h**	DALI-Sibe
672353.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	**8 h**	autotest
672353.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	**8 h**	MultiDigit
672353.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	**8 h**	DALI-Sibe



Surface mounted downlights | Toledo Flat Round



Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK06

For escape route illumination

Surface mounted housing: sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Light guide and plastic cover made of non-yellowing PMMA, opal matt.

Available colour: 2 = white

Luminaires for central battery system

Voltage type: AC/DC

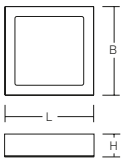
Ballast: EB

CBS

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Diffuser: plastic, opal						
Diameter D 150 mm						
672290.002	D 150, H 57	830	390 / 390 lm	5 W	without battery	standard
672290.002.1	D 150, H 57	840	400 / 400 lm	5 W	without battery	standard
672290.002.89	D 150, H 57	830	390 / 390 lm	6 W	without battery	AC-Control
672290.002.1.89	D 150, H 57	840	400 / 400 lm	6 W	without battery	AC-Control
Diameter D 192 mm						
672279.002	D 192, H 58	830	740 / 740 lm	9 W	without battery	standard
672279.002.1	D 192, H 58	840	840 / 840 lm	9 W	without battery	standard
672279.002.89	D 192, H 58	830	740 / 740 lm	10 W	without battery	AC-Control
672279.002.1.89	D 192, H 58	840	840 / 840 lm	10 W	without battery	AC-Control
Diameter D 257 mm						
672280.002	D 257, H 63	830	1650 / 1650 lm	18 W	without battery	standard
672280.002.1	D 257, H 63	840	1650 / 1650 lm	18 W	without battery	standard
672280.002.89	D 257, H 63	830	1650 / 1650 lm	19 W	without battery	AC-Control
672280.002.1.89	D 257, H 63	840	1650 / 1650 lm	19 W	without battery	AC-Control
Diameter D 319 mm						
672281.002	D 319, H 63	830	2150 / 2150 lm	23 W	without battery	standard
672281.002.1	D 319, H 63	840	2250 / 2250 lm	23 W	without battery	standard
672281.002.89	D 319, H 63	830	2150 / 2150 lm	24 W	without battery	AC-Control
672281.002.1.89	D 319, H 63	840	2250 / 2250 lm	24 W	without battery	AC-Control
Diameter D 500 mm						
672348.002	D 500, H 63	830	3500 / 3500 lm	35 W	without battery	standard
672348.002.1	D 500, H 63	840	3600 / 3600 lm	35 W	without battery	standard
672348.002.89	D 500, H 63	830	3500 / 3500 lm	36 W	without battery	AC-Control
672348.002.1.89	D 500, H 63	840	3600 / 3600 lm	36 W	without battery	AC-Control
Diffuser: transparent plastic, microprismatic						
Diameter D 500 mm						
672349.002	D 500, H 63	830	3500 / 3500 lm	35 W	without battery	standard
672349.002.1	D 500, H 63	840	3600 / 3600 lm	35 W	without battery	standard
672349.002.89	D 500, H 63	830	3500 / 3500 lm	36 W	without battery	AC-Control
672349.002.1.89	D 500, H 63	840	3600 / 3600 lm	36 W	without battery	AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Surface mounted downlights | Toledo Flat Square





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK06

For escape route illumination

Cylinder housing sheet steel, powder coated. Square cover plate: die cast aluminium, powder coated. Light guide and plastic cover made of non-yellowing PMMA, opal matt.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Length L 225 mm x Width B 225 mm							
672275.002	L 225, B 225, H 58	830	1600 / 440 lm	20 W	NiMh	3 h	autotest
672275.002.04	L 225, B 225, H 58	830	1600 / 440 lm	20 W	NiMh	3 h	MultiDigit
672275.002.07	L 225, B 225, H 58	830	1600 / 440 lm	20 W	NiMh	3 h	DALI-Sibe
672275.002.1	L 225, B 225, H 58	840	1650 / 450 lm	20 W	NiMh	3 h	autotest
672275.002.1.04	L 225, B 225, H 58	840	1650 / 450 lm	20 W	NiMh	3 h	MultiDigit
672275.002.1.07	L 225, B 225, H 58	840	1650 / 450 lm	20 W	NiMh	3 h	DALI-Sibe
672276.002	L 225, B 225, H 58	830	1600 / 170 lm	20 W	NiMh	**8 h**	autotest
672276.002.04	L 225, B 225, H 58	830	1600 / 170 lm	20 W	NiMh	**8 h**	MultiDigit
672276.002.07	L 225, B 225, H 58	830	1600 / 170 lm	20 W	NiMh	**8 h**	DALI-Sibe
672276.002.1	L 225, B 225, H 58	840	1650 / 180 lm	20 W	NiMh	**8 h**	autotest
672276.002.1.04	L 225, B 225, H 58	840	1650 / 180 lm	20 W	NiMh	**8 h**	MultiDigit
672276.002.1.07	L 225, B 225, H 58	840	1650 / 180 lm	20 W	NiMh	**8 h**	DALI-Sibe
Length L 300 mm x Width B 300 mm							
672277.002	L 300, B 300, H 58	830	2050 / 420 lm	25 W	NiMh	3 h	autotest
672277.002.04	L 300, B 300, H 58	830	2050 / 420 lm	25 W	NiMh	3 h	MultiDigit
672277.002.07	L 300, B 300, H 58	830	2050 / 420 lm	25 W	NiMh	3 h	DALI-Sibe
672277.002.1	L 300, B 300, H 58	840	2200 / 430 lm	25 W	NiMh	3 h	autotest
672277.002.1.04	L 300, B 300, H 58	840	2200 / 430 lm	25 W	NiMh	3 h	MultiDigit
672277.002.1.07	L 300, B 300, H 58	840	2200 / 430 lm	25 W	NiMh	3 h	DALI-Sibe
672278.002	L 300, B 300, H 58	830	2050 / 170 lm	25 W	NiMh	**8 h**	autotest
672278.002.04	L 300, B 300, H 58	830	2050 / 170 lm	25 W	NiMh	**8 h**	MultiDigit
672278.002.07	L 300, B 300, H 58	830	2050 / 170 lm	25 W	NiMh	**8 h**	DALI-Sibe
672278.002.1	L 300, B 300, H 58	840	2200 / 180 lm	25 W	NiMh	**8 h**	autotest
672278.002.1.04	L 300, B 300, H 58	840	2200 / 180 lm	25 W	NiMh	**8 h**	MultiDigit
672278.002.1.07	L 300, B 300, H 58	840	2200 / 180 lm	25 W	NiMh	**8 h**	DALI-Sibe

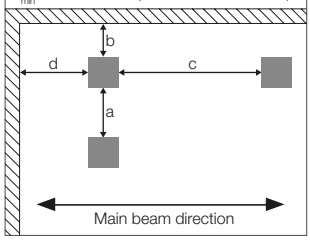
SCL

Luminaires for central battery system							**Price Category 24**
Length L 110 mm x Width B 110 mm							
672259.002	L 110, B 110, H 58	830	410 / 410 lm	6 W	without battery		standard
672259.002.1	L 110, B 110, H 58	840	430 / 430 lm	6 W	without battery		standard
672259.002.89	L 110, B 110, H 58	830	410 / 410 lm	7 W	without battery		AC-Control
672259.002.1.89	L 110, B 110, H 58	840	430 / 430 lm	7 W	without battery		AC-Control
Length L 172 mm x Width B 172 mm							
672267.002	L 172, B 172, H 58	830	730 / 730 lm	8 W	without battery		standard
672267.002.1	L 172, B 172, H 58	840	730 / 730 lm	8 W	without battery		standard
672267.002.89	L 172, B 172, H 58	830	730 / 730 lm	9 W	without battery		AC-Control
672267.002.1.89	L 172, B 172, H 58	840	730 / 730 lm	9 W	without battery		AC-Control
Length L 225 mm x Width B 225 mm							
672268.002	L 225, B 225, H 58	830	1600 / 1600 lm	18 W	without battery		standard
672268.002.1	L 225, B 225, H 58	840	1650 / 1650 lm	18 W	without battery		standard
672268.002.89	L 225, B 225, H 58	830	1600 / 1600 lm	19 W	without battery		AC-Control
672268.002.1.89	L 225, B 225, H 58	840	1650 / 1650 lm	19 W	without battery		AC-Control
Length L 300 mm x Width B 300 mm							
672269.002	L 300, B 300, H 58	830	2050 / 2050 lm	22 W	without battery		standard
672269.002.1	L 300, B 300, H 58	840	2200 / 2200 lm	22 W	without battery		standard
672269.002.89	L 300, B 300, H 58	830	2050 / 2050 lm	23 W	without battery		AC-Control
672269.002.1.89	L 300, B 300, H 58	840	2200 / 2200 lm	23 W	without battery		AC-Control

CBS

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672290.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,4	4,2	10,4	4,2
3,0	11,2	4,5	11,2	4,5
3,5	11,9	4,7	11,9	4,7
4,0	12,5	4,9	12,5	4,9

672290.002.1

Luminous flux emergency: 400 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,5	4,2	10,5	4,2
3,0	11,3	4,5	11,3	4,5
3,5	12,0	4,7	12,0	4,7
4,0	12,6	4,9	12,6	4,9

672279.002

Luminous flux emergency: 740 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,4	5,1	12,4	5,1
3,0	13,5	5,5	13,5	5,5
3,5	14,4	5,8	14,4	5,8
4,0	15,3	6,1	15,3	6,1

672279.002.1

Luminous flux emergency: 840 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,9	5,3	12,9	5,3
3,0	14,0	5,7	14,0	5,7
3,5	15,0	6,1	15,0	6,1
4,0	15,8	6,4	15,8	6,4

672279.002.1.89

Luminous flux emergency: 840 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,9	5,3	12,9	5,3
3,0	14,1	5,7	14,1	5,7
3,5	15,1	6,1	15,1	6,1
4,0	15,9	6,4	15,9	6,4

672280.002

Luminous flux emergency: 1650 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,4	6,4	15,4	6,4
3,0	16,8	7,0	16,8	7,0
3,5	18,1	7,4	18,1	7,4
4,0	19,2	7,9	19,2	7,9

672281.002

Luminous flux emergency: 2150 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,4	6,8	16,4	6,8
3,0	17,9	7,4	17,9	7,4
3,5	19,2	8,0	19,2	8,0
4,0	20,5	8,4	20,5	8,4

672281.002.1

Luminous flux emergency: 2250 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,5	6,9	16,5	6,9
3,0	18,1	7,5	18,1	7,5
3,5	19,5	8,1	19,5	8,1
4,0	20,7	8,5	20,7	8,5

672275.002

Luminous flux emergency: 440 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,8	4,4	10,8	4,4
3,0	11,6	4,7	11,6	4,7
3,5	12,4	4,9	12,4	4,9
4,0	13,0	5,1	13,0	5,1

672275.002.1

Luminous flux emergency: 450 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,8	4,4	10,8	4,4
3,0	11,7	4,7	11,7	4,7
3,5	12,5	4,9	12,5	4,9
4,0	13,1	5,1	13,1	5,1

672276.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,1	3,1	8,1	3,1
3,0	8,6	3,3	8,6	3,3
3,5	8,9	3,3	8,9	3,3
4,0	9,2	3,3	9,2	3,3

672276.002.1

Luminous flux emergency: 180 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,2	3,2	8,2	3,2
3,0	8,7	3,3	8,7	3,3
3,5	9,1	3,4	9,1	3,4
4,0	9,4	3,4	9,4	3,4

672277.002

Luminous flux emergency: 420 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,6	4,3	10,6	4,3
3,0	11,5	4,6	11,5	4,6
3,5	12,2	4,8	12,2	4,8
4,0	12,8	5,0	12,8	5,0

672277.002.1

Luminous flux emergency: 430 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,7	4,3	10,7	4,3
3,0	11,5	4,6	11,5	4,6
3,5	12,3	4,8	12,3	4,8
4,0	12,9	5,0	12,9	5,0

672278.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,1	3,1	8,1	3,1
3,0	8,6	3,3	8,6	3,3
3,5	9,0	3,3	9,0	3,3
4,0	9,2	3,3	9,2	3,3

672259.002

Luminous flux emergency: 410 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,5	4,3	10,5	4,3
3,0	11,4	4,6	11,4	4,6
3,5	12,1	4,8	12,1	4,8
4,0	12,7	4,9	12,7	4,9

672259.002.1

Luminous flux emergency: 430 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,7	4,3	10,7	4,3
3,0	11,6	4,6	11,6	4,6
3,5	12,3	4,9	12,3	4,9
4,0	12,9	5,0	12,9	5,0

672267.002

Luminous flux emergency: 730 lm
Following values are indicated in m

h	a	b	c	d
2,5	12,5	5,1	12,5	5,1
3,0	13,5	5,5	13,5	5,5
3,5	14,5	5,8	14,5	5,8
4,0	15,3	6,1	15,3	6,1

672268.002

Luminous flux emergency: 1600 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,2	6,3	15,2	6,3
3,0	16,6	6,8	16,6	6,8
3,5	17,8	7,3	17,8	7,3
4,0	18,9	7,8	18,9	7,8

672268.002.1

Luminous flux emergency: 1650 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,3	6,3	15,3	6,3
3,0	16,7	6,9	16,7	6,9
3,5	17,9	7,4	17,9	7,4
4,0	19,1	7,8	19,1	7,8

672269.002

Luminous flux emergency: 2050 lm
Following values are indicated in m

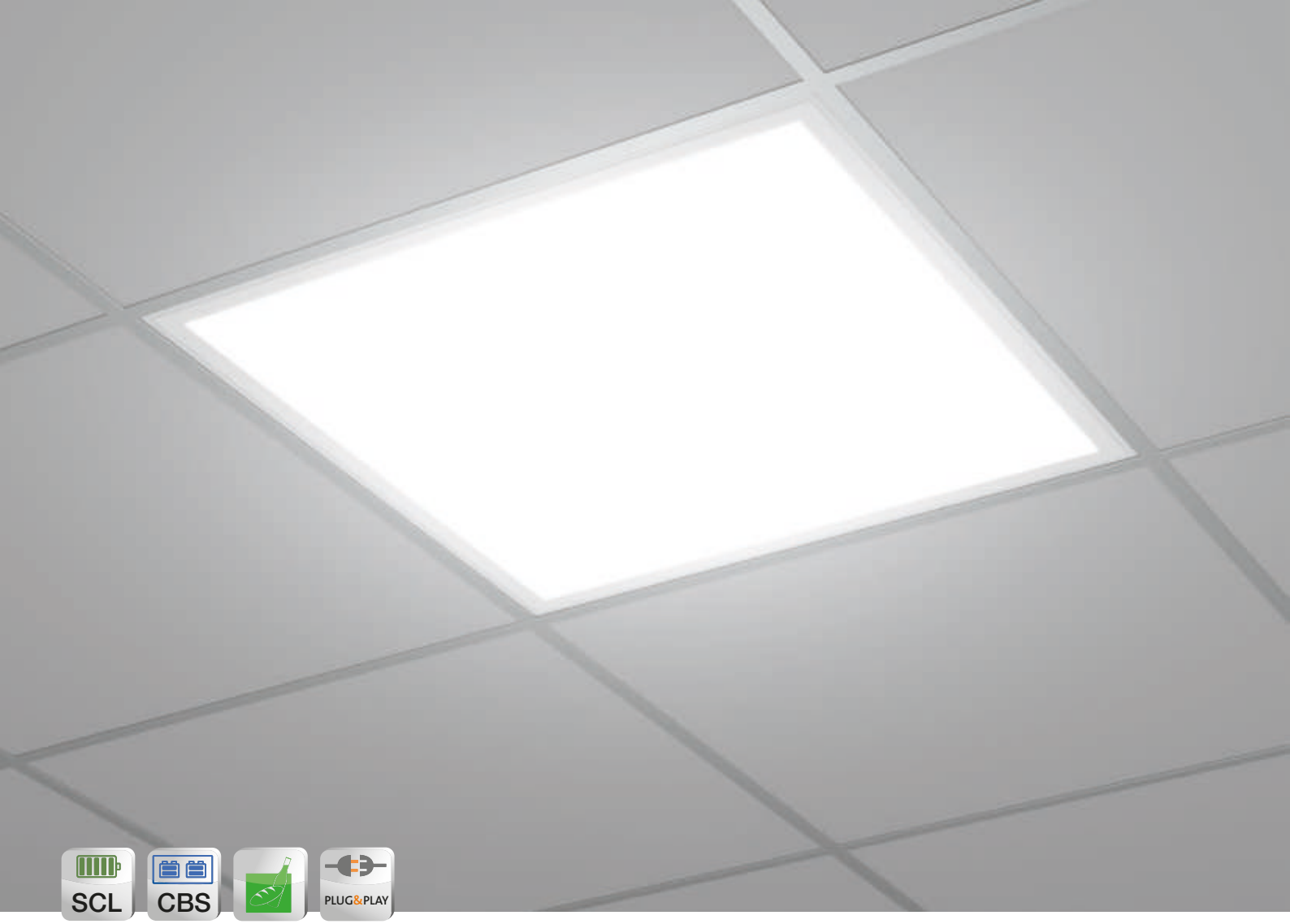
h	a	b	c	d
2,5	16,2	6,7	16,2	6,7
3,0	17,7	7,3	17,7	7,3
3,5	19,0	7,9	19,0	7,9
4,0	20,3	8,3	20,3	8,3

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.



The application image shows:
Toledo Flat

© Linus Lintner



SIDELITE® ECO

Lay-in luminaires

- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- LED rated life 50,000 h (L70, B10)
- Standard automatic self-test
- Low maintenance costs
- Wide luminaire spacing for escape route illumination



Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

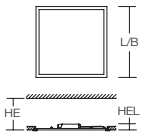


© Linus Lintner

The application image shows:
Sidelite ECO



Lay-in luminaires | Sidelite ECO



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

For escape route illumination

Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

SCL

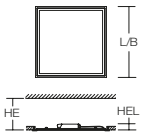
Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Module 600							
Diffuser: plastic (PMMA), opal							
672359.002	L 595, B 595, HE 160, HEL 40	830	3200 / 390 lm	29 W	NiMh	3 h	autotest
672359.002.04	L 595, B 595, HE 160, HEL 40	830	3200 / 390 lm	29 W	NiMh	3 h	MultiDigit
672359.002.07	L 595, B 595, HE 160, HEL 40	830	3200 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672359.002.1	L 595, B 595, HE 160, HEL 40	840	3700 / 410 lm	29 W	NiMh	3 h	autotest
672359.002.1.04	L 595, B 595, HE 160, HEL 40	840	3700 / 410 lm	29 W	NiMh	3 h	MultiDigit
672359.002.1.07	L 595, B 595, HE 160, HEL 40	840	3700 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672360.002	L 595, B 595, HE 160, HEL 40	830	3200 / 170 lm	29 W	NiMh	**8 h**	autotest
672360.002.04	L 595, B 595, HE 160, HEL 40	830	3200 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672360.002.07	L 595, B 595, HE 160, HEL 40	830	3200 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672360.002.1	L 595, B 595, HE 160, HEL 40	840	3700 / 180 lm	29 W	NiMh	**8 h**	autotest
672360.002.1.04	L 595, B 595, HE 160, HEL 40	840	3700 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672360.002.1.07	L 595, B 595, HE 160, HEL 40	840	3700 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe
Diffuser plastic (PMMA) micro prismatic							
672356.002	L 595, B 595, HE 160, HEL 40	830	3350 / 390 lm	29 W	NiMh	3 h	autotest
672356.002.04	L 595, B 595, HE 160, HEL 40	830	3350 / 390 lm	29 W	NiMh	3 h	MultiDigit
672356.002.07	L 595, B 595, HE 160, HEL 40	830	3350 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672356.002.1	L 595, B 595, HE 160, HEL 40	840	3700 / 410 lm	29 W	NiMh	3 h	autotest
672356.002.1.04	L 595, B 595, HE 160, HEL 40	840	3700 / 410 lm	29 W	NiMh	3 h	MultiDigit
672356.002.1.07	L 595, B 595, HE 160, HEL 40	840	3700 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672357.002	L 595, B 595, HE 160, HEL 40	830	3350 / 170 lm	29 W	NiMh	**8 h**	autotest
672357.002.04	L 595, B 595, HE 160, HEL 40	830	3350 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672357.002.07	L 595, B 595, HE 160, HEL 40	830	3350 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672357.002.1	L 595, B 595, HE 160, HEL 40	840	3700 / 180 lm	29 W	NiMh	**8 h**	autotest
672357.002.1.04	L 595, B 595, HE 160, HEL 40	840	3700 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672357.002.1.07	L 595, B 595, HE 160, HEL 40	840	3700 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe

CBS

Luminaires for central battery system							**Price Category 24**
Module 600							
Diffuser: plastic (PMMA), opal							
672358.002	L 595, B 595, HE 160, HEL 40	830	3200 / 3200 lm	29 W	without battery		standard
672358.002.1	L 595, B 595, HE 160, HEL 40	840	3700 / 3700 lm	29 W	without battery		standard
672358.002.89	L 595, B 595, HE 160, HEL 40	830	3200 / 3200 lm	30 W	without battery		AC-Control
672358.002.1.89	L 595, B 595, HE 160, HEL 40	840	3700 / 3700 lm	30 W	without battery		AC-Control
Diffuser: transparent plastic, microprismatic							
672355.002	L 595, B 595, HE 160, HEL 40	830	3350 / 3350 lm	29 W	without battery		standard
672355.002.1	L 595, B 595, HE 160, HEL 40	840	3700 / 3700 lm	29 W	without battery		standard
672355.002.89	L 595, B 595, HE 160, HEL 40	830	3350 / 3350 lm	30 W	without battery		AC-Control
672355.002.1.89	L 595, B 595, HE 160, HEL 40	840	3700 / 3700 lm	30 W	without battery		AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Lay-in luminaires | Sidelite ECO





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

For escape route illumination

Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or microprismatic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

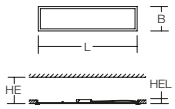
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Module 625							
Diffuser: plastic (PMMA), opal							
672365.002	L 622, B 622, HE 160, HEL 40	830	3350 / 390 lm	29 W	NiMh	3 h	autotest
672365.002.04	L 622, B 622, HE 160, HEL 40	830	3350 / 390 lm	29 W	NiMh	3 h	MultiDigit
672365.002.07	L 622, B 622, HE 160, HEL 40	830	3350 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672365.002.1	L 622, B 622, HE 160, HEL 40	840	3600 / 410 lm	29 W	NiMh	3 h	autotest
672365.002.1.04	L 622, B 622, HE 160, HEL 40	840	3600 / 410 lm	29 W	NiMh	3 h	MultiDigit
672365.002.1.07	L 622, B 622, HE 160, HEL 40	840	3600 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672366.002	L 622, B 622, HE 160, HEL 40	830	3350 / 170 lm	29 W	NiMh	**8 h**	autotest
672366.002.04	L 622, B 622, HE 160, HEL 40	830	3350 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672366.002.07	L 622, B 622, HE 160, HEL 40	830	3350 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672366.002.1	L 622, B 622, HE 160, HEL 40	840	3600 / 180 lm	29 W	NiMh	**8 h**	autotest
672366.002.1.04	L 622, B 622, HE 160, HEL 40	840	3600 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672366.002.1.07	L 622, B 622, HE 160, HEL 40	840	3600 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe
Diffuser plastic (PMMA) micro prismatic							
672362.002	L 622, B 622, HE 160, HEL 40	830	3400 / 390 lm	29 W	NiMh	3 h	autotest
672362.002.04	L 622, B 622, HE 160, HEL 40	830	3400 / 390 lm	29 W	NiMh	3 h	MultiDigit
672362.002.07	L 622, B 622, HE 160, HEL 40	830	3400 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672362.002.1	L 622, B 622, HE 160, HEL 40	840	3750 / 410 lm	29 W	NiMh	3 h	autotest
672362.002.1.04	L 622, B 622, HE 160, HEL 40	840	3750 / 410 lm	29 W	NiMh	3 h	MultiDigit
672362.002.1.07	L 622, B 622, HE 160, HEL 40	840	3750 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672363.002	L 622, B 622, HE 160, HEL 40	830	3400 / 170 lm	29 W	NiMh	**8 h**	autotest
672363.002.04	L 622, B 622, HE 160, HEL 40	830	3400 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672363.002.07	L 622, B 622, HE 160, HEL 40	830	3400 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672363.002.1	L 622, B 622, HE 160, HEL 40	840	3750 / 180 lm	29 W	NiMh	**8 h**	autotest
672363.002.1.04	L 622, B 622, HE 160, HEL 40	840	3750 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672363.002.1.07	L 622, B 622, HE 160, HEL 40	840	3750 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe
Luminaires for central battery system							**Price Category 24**
Module 625							
Diffuser: plastic (PMMA), opal							
672364.002	L 622, B 622, HE 160, HEL 40	830	3350 / 3350 lm	29 W	without battery		standard
672364.002.1	L 622, B 622, HE 160, HEL 40	840	3600 / 3600 lm	29 W	without battery		standard
672364.002.89	L 622, B 622, HE 160, HEL 40	830	3350 / 3350 lm	30 W	without battery		AC-Control
672364.002.1.89	L 622, B 622, HE 160, HEL 40	840	3600 / 3600 lm	30 W	without battery		AC-Control
Diffuser: transparent plastic, microprismatic							
672361.002	L 622, B 622, HE 160, HEL 40	830	3400 / 3400 lm	29 W	without battery		standard
672361.002.1	L 622, B 622, HE 160, HEL 40	840	3750 / 3750 lm	29 W	without battery		standard
672361.002.89	L 622, B 622, HE 160, HEL 40	830	3400 / 3400 lm	30 W	without battery		AC-Control
672361.002.1.89	L 622, B 622, HE 160, HEL 40	840	3750 / 3750 lm	30 W	without battery		AC-Control



Lay-in luminaires | Sidelite ECO



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

For escape route illumination

Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micropris-matic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

SCL

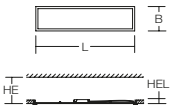
Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Module 1200							
Diffuser: plastic (PMMA), opal							
672371.002	L 1195, B 295, HE 160, HEL 40	830	3300 / 390 lm	29 W	NiMh	3 h	autotest
672371.002.04	L 1195, B 295, HE 160, HEL 40	830	3300 / 390 lm	29 W	NiMh	3 h	MultiDigit
672371.002.07	L 1195, B 295, HE 160, HEL 40	830	3300 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672371.002.1	L 1195, B 295, HE 160, HEL 40	840	3550 / 410 lm	29 W	NiMh	3 h	autotest
672371.002.1.04	L 1195, B 295, HE 160, HEL 40	840	3550 / 410 lm	29 W	NiMh	3 h	MultiDigit
672371.002.1.07	L 1195, B 295, HE 160, HEL 40	840	3550 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672372.002	L 1195, B 295, HE 160, HEL 40	830	3300 / 170 lm	29 W	NiMh	**8 h**	autotest
672372.002.04	L 1195, B 295, HE 160, HEL 40	830	3300 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672372.002.07	L 1195, B 295, HE 160, HEL 40	830	3300 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672372.002.1.04	L 1195, B 295, HE 160, HEL 40	830	3550 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672372.002.1	L 1195, B 295, HE 160, HEL 40	840	3550 / 180 lm	29 W	NiMh	**8 h**	autotest
672372.002.1.07	L 1195, B 295, HE 160, HEL 40	840	3550 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe
Diffuser plastic (PMMA) micro prismatic							
672368.002	L 1195, B 295, HE 160, HEL 40	830	3200 / 390 lm	29 W	NiMh	3 h	autotest
672368.002.04	L 1195, B 295, HE 160, HEL 40	830	3200 / 390 lm	29 W	NiMh	3 h	MultiDigit
672368.002.07	L 1195, B 295, HE 160, HEL 40	830	3200 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672368.002.1	L 1195, B 295, HE 160, HEL 40	840	3450 / 410 lm	29 W	NiMh	3 h	autotest
672368.002.1.04	L 1195, B 295, HE 160, HEL 40	840	3450 / 410 lm	29 W	NiMh	3 h	MultiDigit
672368.002.1.07	L 1195, B 295, HE 160, HEL 40	840	3450 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672369.002	L 1195, B 295, HE 160, HEL 40	830	3200 / 170 lm	29 W	NiMh	**8 h**	autotest
672369.002.04	L 1195, B 295, HE 160, HEL 40	830	3200 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672369.002.07	L 1195, B 295, HE 160, HEL 40	830	3200 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672369.002.1	L 1195, B 295, HE 160, HEL 40	840	3450 / 180 lm	29 W	NiMh	**8 h**	autotest
672369.002.1.04	L 1195, B 295, HE 160, HEL 40	840	3450 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672369.002.1.07	L 1195, B 295, HE 160, HEL 40	840	3450 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe

CBS

Luminaires for central battery system							**Price Category 24**
Module 1200							
Diffuser: plastic (PMMA), opal							
672370.002	L 1195, B 295, HE 160, HEL 40	830	3300 / 3300 lm	29 W	without battery		standard
672370.002.1	L 1195, B 295, HE 160, HEL 40	840	3550 / 3550 lm	29 W	without battery		standard
672370.002.89	L 1195, B 295, HE 160, HEL 40	830	3300 / 3300 lm	30 W	without battery		AC-Control
672370.002.1.89	L 1195, B 295, HE 160, HEL 40	840	3550 / 3550 lm	30 W	without battery		AC-Control
Diffuser: transparent plastic, microprismatic							
672367.002	L 1195, B 295, HE 160, HEL 40	830	3200 / 3200 lm	29 W	without battery		standard
672367.002.1	L 1195, B 295, HE 160, HEL 40	840	3450 / 3450 lm	29 W	without battery		standard
672367.002.89	L 1195, B 295, HE 160, HEL 40	830	3200 / 3200 lm	30 W	without battery		AC-Control
672367.002.1.89	L 1195, B 295, HE 160, HEL 40	840	3450 / 3450 lm	30 W	without battery		AC-Control

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Lay-in luminaires | Sidelite ECO





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

For escape route illumination

Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic, opal or micropris-matic (Suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing PMMA. Lateral light emission thanks to LED. External driver.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Module 1250							
Diffuser: plastic (PMMA), opal							
672377.002	L 1245, B 308, HE 160, HEL 40	830	3300 / 390 lm	29 W	NiMh	3 h	autotest
672377.002.04	L 1245, B 308, HE 160, HEL 40	830	3300 / 390 lm	29 W	NiMh	3 h	MultiDigit
672377.002.07	L 1245, B 308, HE 160, HEL 40	830	3300 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672377.002.1	L 1245, B 308, HE 160, HEL 40	840	3500 / 410 lm	29 W	NiMh	3 h	autotest
672377.002.1.04	L 1245, B 308, HE 160, HEL 40	840	3500 / 410 lm	29 W	NiMh	3 h	MultiDigit
672377.002.1.07	L 1245, B 308, HE 160, HEL 40	840	3500 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672378.002	L 1245, B 308, HE 160, HEL 40	830	3300 / 170 lm	29 W	NiMh	**8 h**	autotest
672378.002.04	L 1245, B 308, HE 160, HEL 40	830	3300 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672378.002.07	L 1245, B 308, HE 160, HEL 40	830	3300 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672378.002.1	L 1245, B 308, HE 160, HEL 40	840	3500 / 180 lm	29 W	NiMh	**8 h**	autotest
672378.002.1.04	L 1245, B 308, HE 160, HEL 40	840	3500 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672378.002.1.07	L 1245, B 308, HE 160, HEL 40	840	3500 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe
Diffuser plastic (PMMA) micro prismatic							
672374.002	L 1245, B 308, HE 160, HEL 40	830	3150 / 390 lm	29 W	NiMh	3 h	autotest
672374.002.04	L 1245, B 308, HE 160, HEL 40	830	3150 / 390 lm	29 W	NiMh	3 h	MultiDigit
672374.002.07	L 1245, B 308, HE 160, HEL 40	830	3150 / 390 lm	29 W	NiMh	3 h	DALI-Sibe
672374.002.1	L 1245, B 308, HE 160, HEL 40	840	3500 / 410 lm	29 W	NiMh	3 h	autotest
672374.002.1.04	L 1245, B 308, HE 160, HEL 40	840	3500 / 410 lm	29 W	NiMh	3 h	MultiDigit
672374.002.1.07	L 1245, B 308, HE 160, HEL 40	840	3500 / 410 lm	29 W	NiMh	3 h	DALI-Sibe
672375.002	L 1245, B 308, HE 160, HEL 40	830	3150 / 170 lm	29 W	NiMh	**8 h**	autotest
672375.002.04	L 1245, B 308, HE 160, HEL 40	830	3150 / 170 lm	29 W	NiMh	**8 h**	MultiDigit
672375.002.07	L 1245, B 308, HE 160, HEL 40	830	3150 / 170 lm	29 W	NiMh	**8 h**	DALI-Sibe
672375.002.1	L 1245, B 308, HE 160, HEL 40	840	3500 / 180 lm	29 W	NiMh	**8 h**	autotest
672375.002.1.04	L 1245, B 308, HE 160, HEL 40	840	3500 / 180 lm	29 W	NiMh	**8 h**	MultiDigit
672375.002.1.07	L 1245, B 308, HE 160, HEL 40	840	3500 / 180 lm	29 W	NiMh	**8 h**	DALI-Sibe

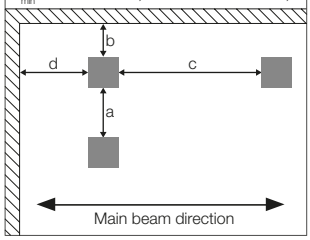
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Luminaires for central battery system							**Price Category 24**
Module 1250							
Diffuser: plastic (PMMA), opal							
672376.002	L 1245, B 308, HE 160, HEL 40	830	3300 / 3300 lm	29 W	without battery		standard
672376.002.1	L 1245, B 308, HE 160, HEL 40	840	3500 / 3500 lm	29 W	without battery		standard
672376.002.89	L 1245, B 308, HE 160, HEL 40	830	3300 / 3300 lm	30 W	without battery		AC-Control
672376.002.1.89	L 1245, B 308, HE 160, HEL 40	840	3500 / 3500 lm	30 W	without battery		AC-Control
Diffuser: transparent plastic, microprismatic							
672373.002	L 1245, B 308, HE 160, HEL 40	830	3150 / 3150 lm	29 W	without battery		standard
672373.002.1	L 1245, B 308, HE 160, HEL 40	840	3500 / 3500 lm	29 W	without battery		standard
672373.002.89	L 1245, B 308, HE 160, HEL 40	830	3150 / 3150 lm	30 W	without battery		AC-Control
672373.002.1.89	L 1245, B 308, HE 160, HEL 40	840	3500 / 3500 lm	30 W	without battery		AC-Control

CBS

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



Module 600

672359.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,6	4,2	10,6	4,2
3,0	11,1	4,4	11,1	4,4
3,5	11,9	4,6	11,9	4,6
4,0	12,3	4,8	12,3	4,8

672360.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,1	8,0	3,1
3,0	8,6	3,2	8,6	3,2
3,5	8,8	3,2	8,8	3,2
4,0	9,0	3,2	9,0	3,2

672356.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,8	9,5	3,8
3,0	10,1	4,2	10,1	4,2
3,5	10,7	4,5	10,7	4,5
4,0	11,4	4,7	11,4	4,7

672357.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,4	3,0	7,4	3,0
3,0	8,2	3,3	8,2	3,3
3,5	8,6	3,5	8,6	3,5
4,0	9,2	3,7	9,2	3,7

672358.002

Luminous flux emergency: 3200 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,0	7,6	18,0	7,6
3,0	19,8	8,2	19,8	8,2
3,5	21,3	8,8	21,3	8,8
4,0	22,6	9,4	22,6	9,4

672355.002

Luminous flux emergency: 3350 lm
Following values are indicated in m

h	a	b	c	d
2,5	19,0	7,7	19	7,7
3,0	20,4	8,6	20,4	8,6
3,5	19,0	7,9	19,0	7,9
4,0	20,4	8,4	20,4	8,4

Module 625

672365.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,6	4,2	10,6	4,2
3,0	11,1	4,4	11,1	4,4
3,5	11,9	4,6	11,9	4,6
4,0	12,3	4,8	12,3	4,8

672366.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,1	8,0	3,1
3,0	8,6	3,2	8,6	3,2
3,5	8,8	3,2	8,8	3,2
4,0	9,0	3,2	9,0	3,2

672362.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,8	9,5	3,8
3,0	10,1	4,2	10,1	4,2
3,5	10,7	4,5	10,7	4,5
4,0	11,4	4,7	11,4	4,7

672363.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,4	3,0	7,4	3,0
3,0	8,2	3,3	8,2	3,3
3,5	8,6	3,5	8,6	3,5
4,0	9,2	3,7	9,2	3,7

672364.002

Luminous flux emergency: 3350 lm
Following values are indicated in m

h	a	b	c	d
2,5	21,5	7,5	21,5	7,5
3,0	20,0	8,4	20,0	8,4
3,5	21,7	9,0	21,7	9,0
4,0	23,1	9,6	23,1	9,6

672361.002

Luminous flux emergency: 3400 lm
Following values are indicated in m

h	a	b	c	d
2,5	19,2	7,5	19,2	7,5
3,0	20,8	8,6	20,8	8,6
3,5	18,6	7,8	18,6	7,8
4,0	20,1	8,4	20,1	8,4

Module 1200

672371.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,6	4,2	10,6	4,2
3,0	11,1	4,4	11,1	4,4
3,5	11,9	4,6	11,9	4,6
4,0	12,3	4,8	12,3	4,8

672372.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,1	8,0	3,1
3,0	8,6	3,2	8,6	3,2
3,5	8,8	3,2	8,8	3,2
4,0	9,0	3,2	9,0	3,2

672368.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,8	9,5	3,8
3,0	10,1	4,2	10,1	4,2
3,5	10,7	4,5	10,7	4,5
4,0	11,4	4,7	11,4	4,7

672369.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,4	3,0	7,4	3,0
3,0	8,2	3,3	8,2	3,3
3,5	8,6	3,5	8,6	3,5
4,0	9,2	3,7	9,2	3,7

672370.002

Luminous flux emergency: 3300 lm
Following values are indicated in m

h	a	b	c	d
2,5	21,4	8,6	21,4	8,6
3,0	20,0	8,4	20,0	8,4
3,5	21,4	9,0	21,4	9,0
4,0	23,2	9,6	23,2	9,6

672367.002

Luminous flux emergency: 3200 lm
Following values are indicated in m

h	a	b	c	d
2,5	19,0	7,8	19,0	7,8
3,0	20,8	8,4	20,8	8,4
3,5	18,2	7,6	18,2	7,6
4,0	19,4	8,2	19,4	8,2

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Module 1250

672377.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,6	4,2	10,6	4,2
3,0	11,1	4,4	11,1	4,4
3,5	11,9	4,6	11,9	4,6
4,0	12,3	4,8	12,3	4,8

672378.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	8,0	3,1	8,0	3,1
3,0	8,6	3,2	8,6	3,2
3,5	8,8	3,2	8,8	3,2
4,0	9,0	3,2	9,0	3,2

672374.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,8	9,5	3,8
3,0	10,1	4,2	10,1	4,2
3,5	10,7	4,5	10,7	4,5
4,0	11,4	4,7	11,4	4,7

672375.002

Luminous flux emergency: 170 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,4	3,0	7,4	3,0
3,0	8,2	3,3	8,2	3,3
3,5	8,6	3,5	8,6	3,5
4,0	9,2	3,7	9,2	3,7

672376.002

Luminous flux emergency: 3300 lm
Following values are indicated in m

h	a	b	c	d
2,5	21,4	8,6	21,4	8,6
3,0	20,0	8,4	20,0	8,4
3,5	21,4	9,0	21,4	9,0
4,0	23,2	9,6	23,2	9,6

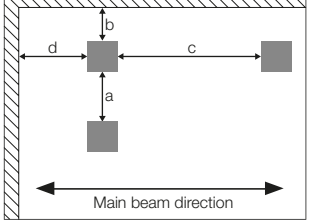
672373.002

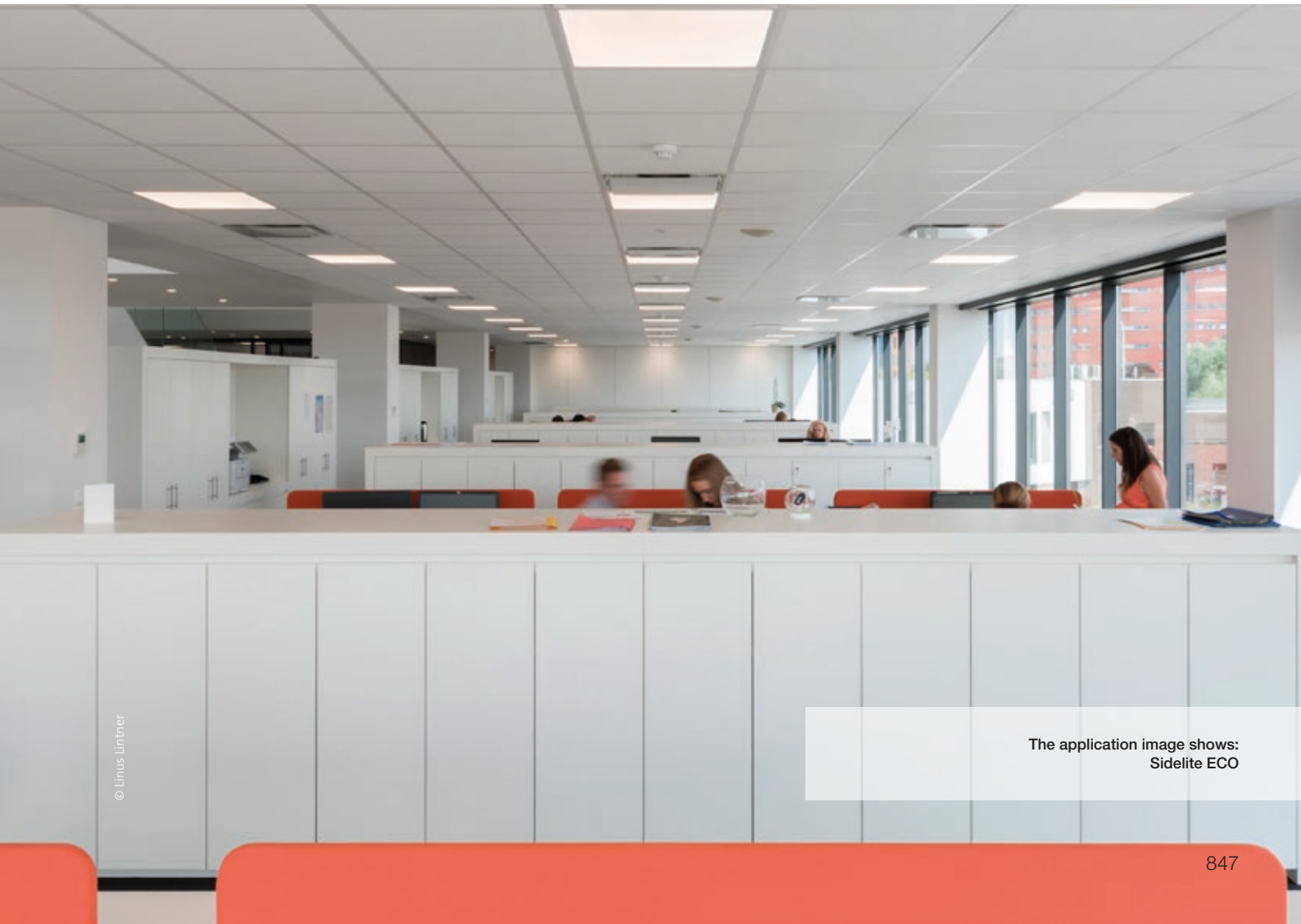
Luminous flux emergency: 3200 lm
Following values are indicated in m

h	a	b	c	d
2,5	19,0	7,8	19,0	7,8
3,0	20,8	8,4	20,8	8,4
3,5	18,2	7,6	18,2	7,6
4,0	19,4	8,2	19,4	8,2

Planning guide: Escape route illumination in accord. with EN 1838

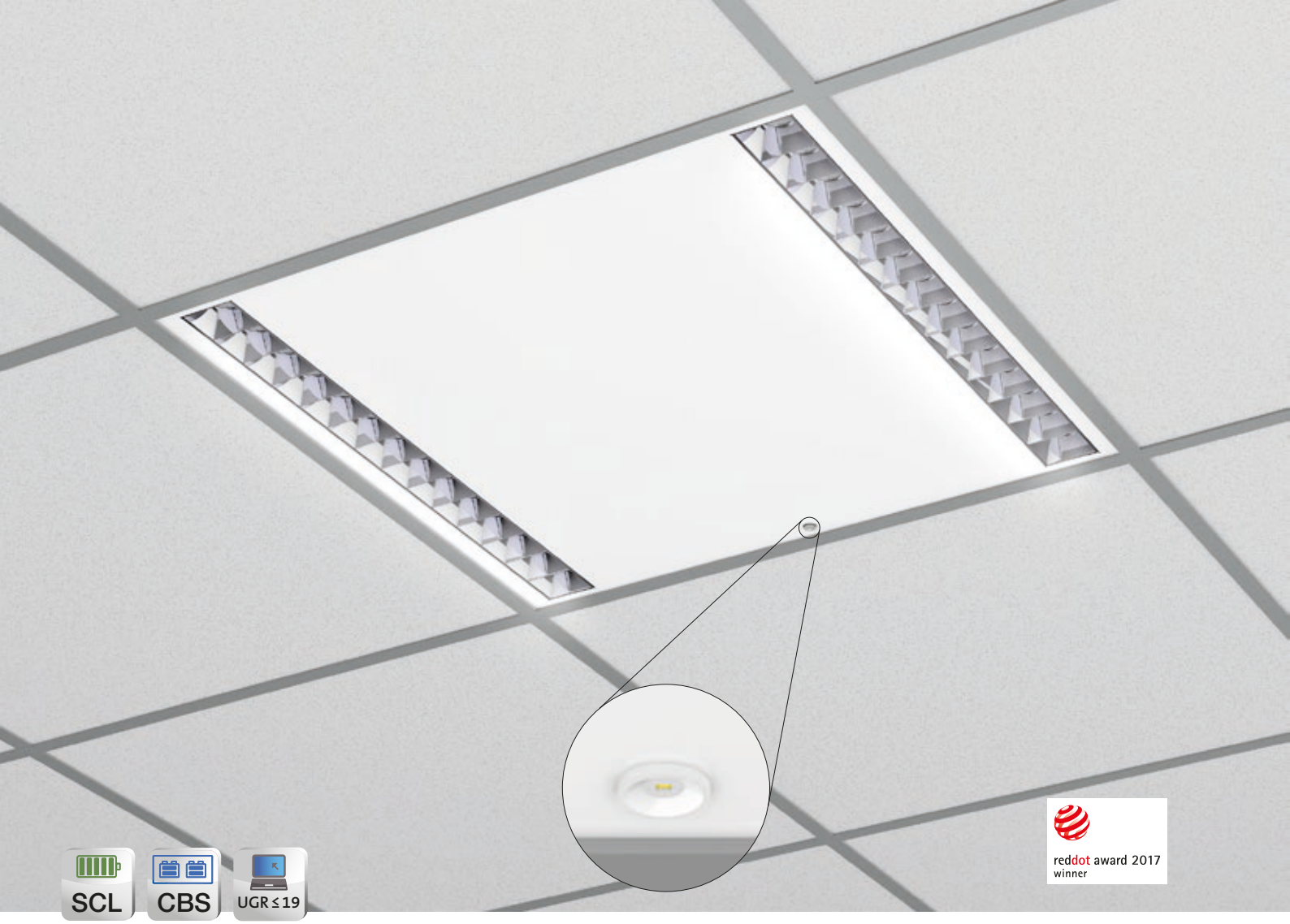
E_{min} = 1 lx centre line, maintenance factor: 0,8





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The application image shows: Sidelite ECO



SONIS EVO

Lay-in luminaires

- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- Suitable for laying in grid ceiling module 600/625
- Standard automatic self-test
- Narrow beam, brilliant luminous effect
- Very high efficiency with optimum glare limitation
- LED rated life 50,000 h (L80, B10)





Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires
Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires

672251.002

Luminous flux emergency: 90 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,7	2,6	6,7	2,6
3,0	7,2	2,6	7,2	2,6
3,5	7,5	2,5	7,5	2,5
4,0	7,6	2,3	7,6	2,3

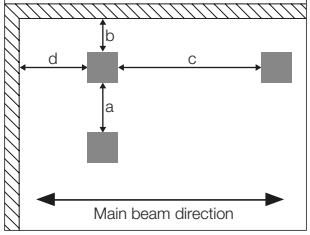
672252.002

Luminous flux emergency: 80 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,5	2,5	6,5	2,5
3,0	6,9	2,5	6,9	2,5
3,5	7,1	2,3	7,1	2,3
4,0	7,1	2,1	7,1	2,1

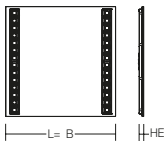
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Lay-in luminaires | Sonis EVO





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

For escape route illumination

Housing: powder-coated metal white. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). With integrated Edo 3 for emergency lighting.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode Edo 3: Non-maintained power mode (BS)

Ballast mains/emergency: EB

Luminaires for central battery system

Operating mode Edo 3: Non-maintained power mode (BS)

Ballast mains/emergency: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Module 600							
672251.002	L 597, B 597, H 1, H 37	830	3400 / 90 lm	33 W	NiMh	3 h	autotest
672251.002.04	L 597, B 597, H 1, H 37	830	3400 / 50 lm	33 W	NiMh	3 h	MultiDigit
672251.002.07	L 597, B 597, H 1, H 37	830	3400 / 90 lm	33 W	NiMh	3 h	DALI-Sibe
672251.002.1	L 597, B 597, H 1, H 37	840	3450 / 90 lm	33 W	NiMh	3 h	autotest
672251.002.1.04	L 597, B 597, H 1, H 37	840	3450 / 50 lm	33 W	NiMh	3 h	MultiDigit
672251.002.1.07	L 597, B 597, H 1, H 37	840	3450 / 90 lm	33 W	NiMh	3 h	DALI-Sibe
Module 625							
672253.002	L 622, B 622, H 1, H 37	830	3400 / 90 lm	33 W	NiMh	3 h	autotest
672253.002.04	L 622, B 622, H 1, H 37	830	3400 / 50 lm	33 W	NiMh	3 h	MultiDigit
672253.002.07	L 622, B 622, H 1, H 37	830	3400 / 90 lm	33 W	NiMh	3 h	DALI-Sibe
672253.002.1	L 622, B 622, H 1, H 37	840	3450 / 90 lm	33 W	NiMh	3 h	autotest
672253.002.1.04	L 622, B 622, H 1, H 37	840	3450 / 50 lm	33 W	NiMh	3 h	MultiDigit
672253.002.1.07	L 622, B 622, H 1, H 37	840	3450 / 90 lm	33 W	NiMh	3 h	DALI-Sibe



Luminaires for central battery system							**Price Category 24**
Module 600							
672252.002	L 597, B 597, H 1, H 37	830	3400 / 80 lm	30 W	without battery		standard
672252.002.89	L 597, B 597, H 1, H 37	830	3400 / 80 lm	30 W	without battery		AC-Control
672252.002.1	L 597, B 597, H 1, H 37	840	3450 / 80 lm	30 W	without battery		standard
672252.002.1.89	L 597, B 597, H 1, H 37	840	3450 / 80 lm	30 W	without battery		AC-Control
Module 625							
672254.002	L 622, B 622, H 1, H 37	830	3400 / 80 lm	30 W	without battery		standard
672254.002.89	L 622, B 622, H 1, H 37	830	3400 / 80 lm	30 W	without battery		AC-Control
672254.002.1	L 622, B 622, H 1, H 37	840	3450 / 80 lm	30 W	without battery		standard
672254.002.1.89	L 622, B 622, H 1, H 37	840	3450 / 80 lm	30 W	without battery		AC-Control



Accessories | Recessed mounting frame

Recessed mounting frame: sheet steel, powder-coated. For installation on suspended ceilings. Minimum recess depth: 300 mm.
Ceiling thickness: 1-30 mm

Mounting frame for installation in suspended ceilings			Price Category 21
981941.002	L 624, B 624, H 2, HE 94	for module 600	
981942.002	L 649, B 649, H 2, HE 94	for module 625	



Accessories | Surface mounting frame

Mounting frame powder coated metal, white.

Surface mounting frame			Price Category 21
982187.012	L 602, B 602, H 47	for module 600	
982292.002	L 627, B 627, H 47	for module 625	



Accessories | Pendant frame

Pendant frame with steel cable suspension and supply cable. Pendant frame: powder-coated metal, white.

Pendant frame			Price Category 21
982290.012	L 602, B 602, H 33, LP 1500	for module 600	
982291.002	L 627, B 627, H 33, LP 1500	for module 625	



SCL

PLANOS®

LED strip continuous line luminaire insert

- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- Self-contained system
- Standard automatic self-test



Further luminaires of this series, see:
Indoor lighting | Continuous line luminaire system

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

LED strip | Planos continuous line luminaire insert





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK03

For escape route illumination

LED light channel module for mounting tracks with three-row lens system. LED cover provided by plastic (PMMA) panel with integrated three-row lens system. With 7-pin connecting terminal. LED output in emergency mode 3 watts.

Execution .04 (MultiDigit) = minimum 7-pole mounting track.
Execution .07 (DALI-Sibe) = minimum 7-pole mounting track.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB



Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Wide beam light distribution							
672213.002	L 1500, B 70, H 51	840	3900 / 620 lm	28 W	NiMh	3 h	autotest
672213.002.04	L 1500, B 70, H 51	840	3900 / 620 lm	28 W	NiMh	3 h	MultiDigit
672213.002.07	L 1500, B 70, H 51	840	3900 / 620 lm	28 W	NiMh	3 h	DALI-Sibe
672214.002	L 1500, B 70, H 51	840	4700 / 620 lm	32 W	NiMh	3 h	autotest
672214.002.04	L 1500, B 70, H 51	840	4700 / 620 lm	32 W	NiMh	3 h	MultiDigit
672214.002.07	L 1500, B 70, H 51	840	4700 / 620 lm	32 W	NiMh	3 h	DALI-Sibe
672215.002	L 1500, B 70, H 51	840	7200 / 620 lm	50 W	NiMh	3 h	autotest
672215.002.04	L 1500, B 70, H 51	840	7200 / 620 lm	50 W	NiMh	3 h	MultiDigit
672215.002.07	L 1500, B 70, H 51	840	7200 / 620 lm	50 W	NiMh	3 h	DALI-Sibe
672256.002	L 1500, B 70, H 51	840	7550 / 620 lm	52 W	NiMh	3 h	autotest
672256.002.04	L 1500, B 70, H 51	840	7550 / 620 lm	52 W	NiMh	3 h	MultiDigit
672256.002.07	L 1500, B 70, H 51	840	7550 / 620 lm	52 W	NiMh	3 h	DALI-Sibe
672216.002	L 1500, B 70, H 51	840	9200 / 620 lm	65 W	NiMh	3 h	autotest
672216.002.04	L 1500, B 70, H 51	840	9200 / 620 lm	65 W	NiMh	3 h	MultiDigit
672216.002.07	L 1500, B 70, H 51	840	9200 / 620 lm	65 W	NiMh	3 h	DALI-Sibe
Narrow beam light distribution							
672209.002	L 1500, B 70, H 51	840	4000 / 560 lm	28 W	NiMh	3 h	autotest
672209.002.04	L 1500, B 70, H 51	840	4000 / 560 lm	28 W	NiMh	3 h	MultiDigit
672209.002.07	L 1500, B 70, H 51	840	4000 / 560 lm	28 W	NiMh	3 h	DALI-Sibe
672210.002	L 1500, B 70, H 51	840	4750 / 560 lm	32 W	NiMh	3 h	autotest
672210.002.04	L 1500, B 70, H 51	840	4750 / 560 lm	32 W	NiMh	3 h	MultiDigit
672210.002.07	L 1500, B 70, H 51	840	4750 / 560 lm	32 W	NiMh	3 h	DALI-Sibe
672211.002	L 1500, B 70, H 51	840	7400 / 560 lm	50 W	NiMh	3 h	autotest
672211.002.04	L 1500, B 70, H 51	840	7400 / 560 lm	50 W	NiMh	3 h	MultiDigit
672211.002.07	L 1500, B 70, H 51	840	7400 / 560 lm	50 W	NiMh	3 h	DALI-Sibe
672255.002	L 1500, B 70, H 51	840	7400 / 560 lm	52 W	NiMh	3 h	autotest
672255.002.04	L 1500, B 70, H 51	840	7400 / 560 lm	52 W	NiMh	3 h	MultiDigit
672255.002.07	L 1500, B 70, H 51	840	7400 / 560 lm	52 W	NiMh	3 h	DALI-Sibe
672212.002	L 1500, B 70, H 51	840	9200 / 560 lm	65 W	NiMh	3 h	autotest
672212.002.04	L 1500, B 70, H 51	840	9200 / 560 lm	65 W	NiMh	3 h	MultiDigit
672212.002.07	L 1500, B 70, H 51	840	9200 / 560 lm	65 W	NiMh	3 h	DALI-Sibe

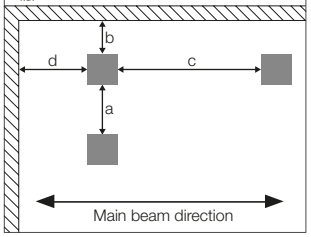
Installation accessories please see chapter continuous line luminaire system

672213.002				
Luminous flux emergency: 620 lm Following values are indicated in m				
h	a	b	c	d
2,5	9,3	4,1	9,5	4,2
3,0	10,5	4,7	10,7	4,7
3,5	11,7	5,2	11,9	5,2
4,0	12,8	5,7	12,9	5,6

672209.002				
Luminous flux emergency: 560 lm Following values are indicated in m				
h	a	b	c	d
6,0	9,3	3,5	9,3	3,5
8,0	9,8	3,7	9,8	3,5
10,0	10,2	3,9	10,2	3,9
12,0	10,6	4,2	10,6	4,2

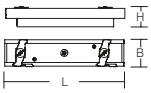
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8





Accessories | Planos LED continuous line luminaire



Type of Protection: IP 20
Protection Class: I

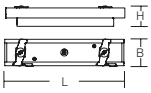
Track insert 300 mm for self contained standard. RZB carrier, sheet steel, painted white, multi pole connector for RZB GSUN® S or GSUN® D, 24 m viewing distance.

Available colour: 2 = white

Reference number	Dimensions		
Track insert for external self contained emergency luminaires type GSUN® S or GSUN® D			**Price Category 23**
925237.002	L 299, B 66, H 46	for automatic self-test	
925237.002.04	L 299, B 66, H 46	for MultiDigit	
925237.002.07	L 299, B 66, H 46	for DALI	



Accessories | Planos LED continuous line luminaire



Type of Protection: IP 20
Protection Class: I

Track insert 300 mm for central battery emergency supply. RZB carrier, sheet steel, painted white, multi pole connector for RZB UNIVERSAL S or UNIVERSAL D, 24 m viewing distance.

Available colour: 2 = white

Reference number	Dimensions		
Track insert for external central battery emergency supply type UNIVERSAL S or UNIVERSAL D			**Price Category 23**
925238.002	L 299, B 66, H 46	Standard	
925238.002.89	L 299, B 66, H 46	for AC Control	



Stepless adjustable to 90 degree



0 degree

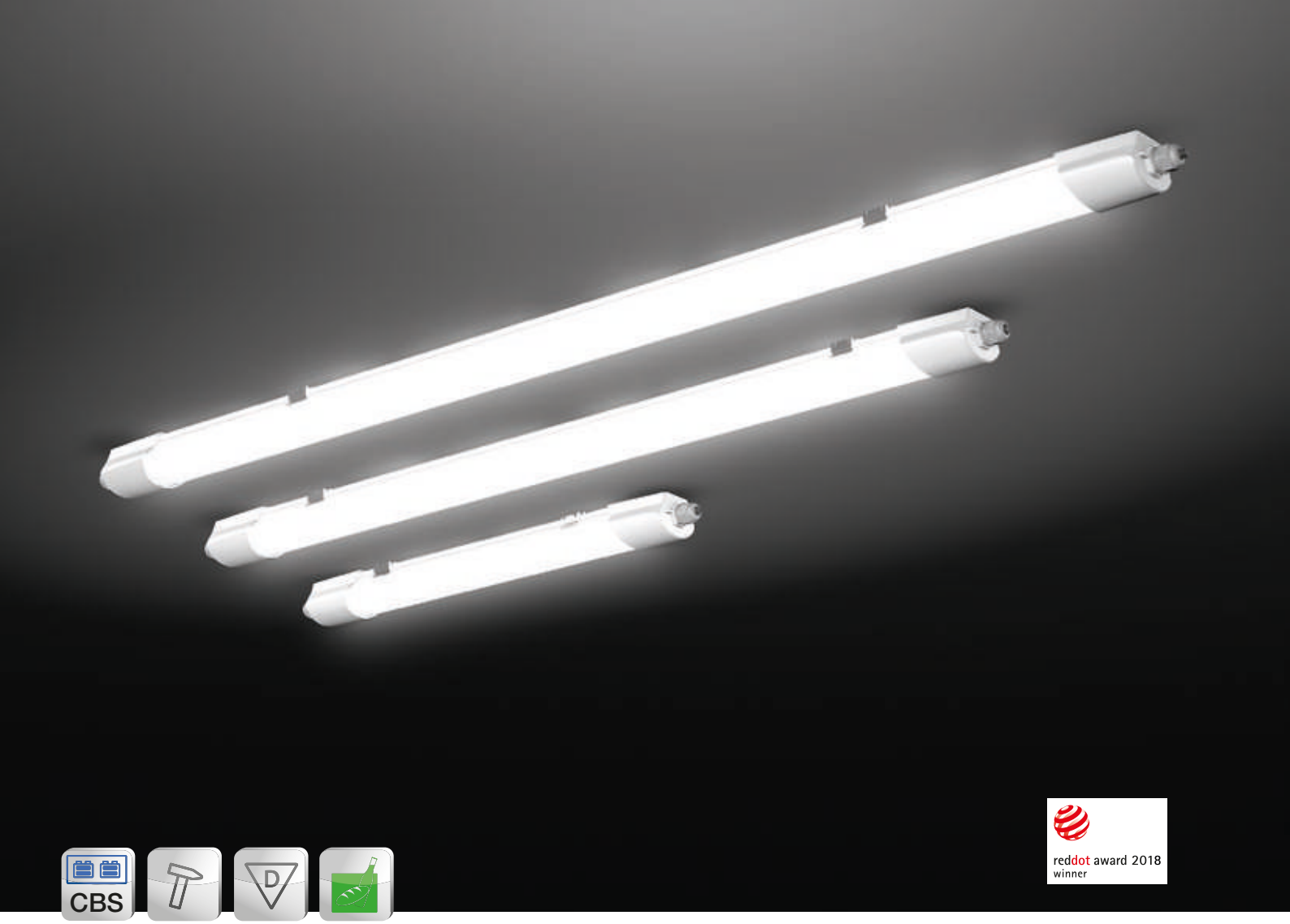
GSUN® S shown

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



The application image shows:
Planos LED

© Linus Lintner



reddot award 2018
winner

PLANOX PRO

Ceiling and wall luminaires

- Design-oriented moisture-proof luminaire
- Indirect light to illuminate the ceiling
- 1:1 replacement for fluorescent lamps
- Impact protection: IK08
- High degree of protection IP 66
- LED rated life 50,000 h (L80, B10)
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Operating range: -30°C to +50°C
- Colour consistency within 3-steps MacAdam (3 SDCM)

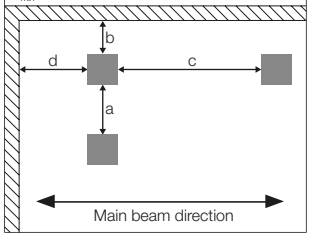


Further luminaires of this series, see:
Indoor lighting | Luminaires for moist/humid environments

- Housing and end caps made of shockproof polycarbonate (PC)
- Mould cast diffusers as inner prisms, UV resistant and provide homogenous light distribution
- Flexible installation through sliding mounting brackets. Ideal for luminaire replacement
- Through-wiring as standard for further luminaires (on/off: 5 x 1,5 mm^2; DALI: 7 x 1,5 mm^2)
- Cable installation on both sides through turn lock fastener
- Comfortable cable entry through cable screw fittings at both ends
- Suitable for use in the food and drink industry

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Planox PRO





Type of Protection: **IP 66**
Protection Class: II

For escape route illumination

Side panels: plastic, white polycarbonate. Diffuser: plastic (polycarbonate), opal. Converter encapsulated, integrated and permanently connected to the diffuser and side panel. Cable screw fittings for convenient wiring. Turn lock fastener on both sides for easy installation. Luminaire with integrated through-wiring for lining up further luminaires (protection class I and II). Ceiling mounting stainless steel brackets and triangular brackets for pendant mounting included in the scope of delivery.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 2 = white

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Monitoring
Luminaires for central battery system					**Price Category 24**
672318.002	L 750, B 88, H 63	840	1900 lm	15 W	standard
672319.002	L 1350, B 88, H 63	840	4900 lm	38 W	standard
672320.002	L 1650, B 88, H 63	840	7000 lm	54 W	standard

CBS

672318.002

Luminous flux emergency: 1900 lm
Following values are indicated in m

h	a	b	c	d
2,5	14,9	6,2	17,9	7,1
3,0	16,3	6,7	19,1	7,6
3,5	17,5	7,2	20,2	8,0
4,0	18,6	7,6	21,2	8,4

672319.002

Luminous flux emergency: 4900 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,9	7,9	24,1	9,7
3,0	20,8	8,7	25,8	10,3
3,5	22,5	9,4	27,3	10,9
4,0	24,0	10,0	28,7	11,5

672320.002

Luminous flux emergency: 7000 lm
Following values are indicated in m

h	a	b	c	d
2,5	20,7	8,7	26,9	10,8
3,0	22,8	9,6	28,8	11,5
3,5	24,6	10,3	30,5	12,2
4,0	26,4	11,0	32,1	12,8



© Linus Lintner

The application image shows:
Planox PRO



PLANOX

Ceiling and wall luminaires

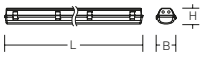
- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- Standard automatic self-test
- Wide luminaire spacing for escape route illumination
- Easy to install
- High degree of protection IP 66
- ▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.
- Suitable for use in the food and drink industry



Further luminaires of this series, see:
Indoor lighting | Luminaires for moist/humid environments

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Planox





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK03 (PMMA), IK08 (polycarbonate)

For escape route illumination

Base: plastic (polycarbonate). White painted, interior fastening element made of steel plate. Refractor: plastic (PMMA or PC), transparent, prismatic inside. Refractor fastening: stainless steel clips.

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Available colour: 9 = grey

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

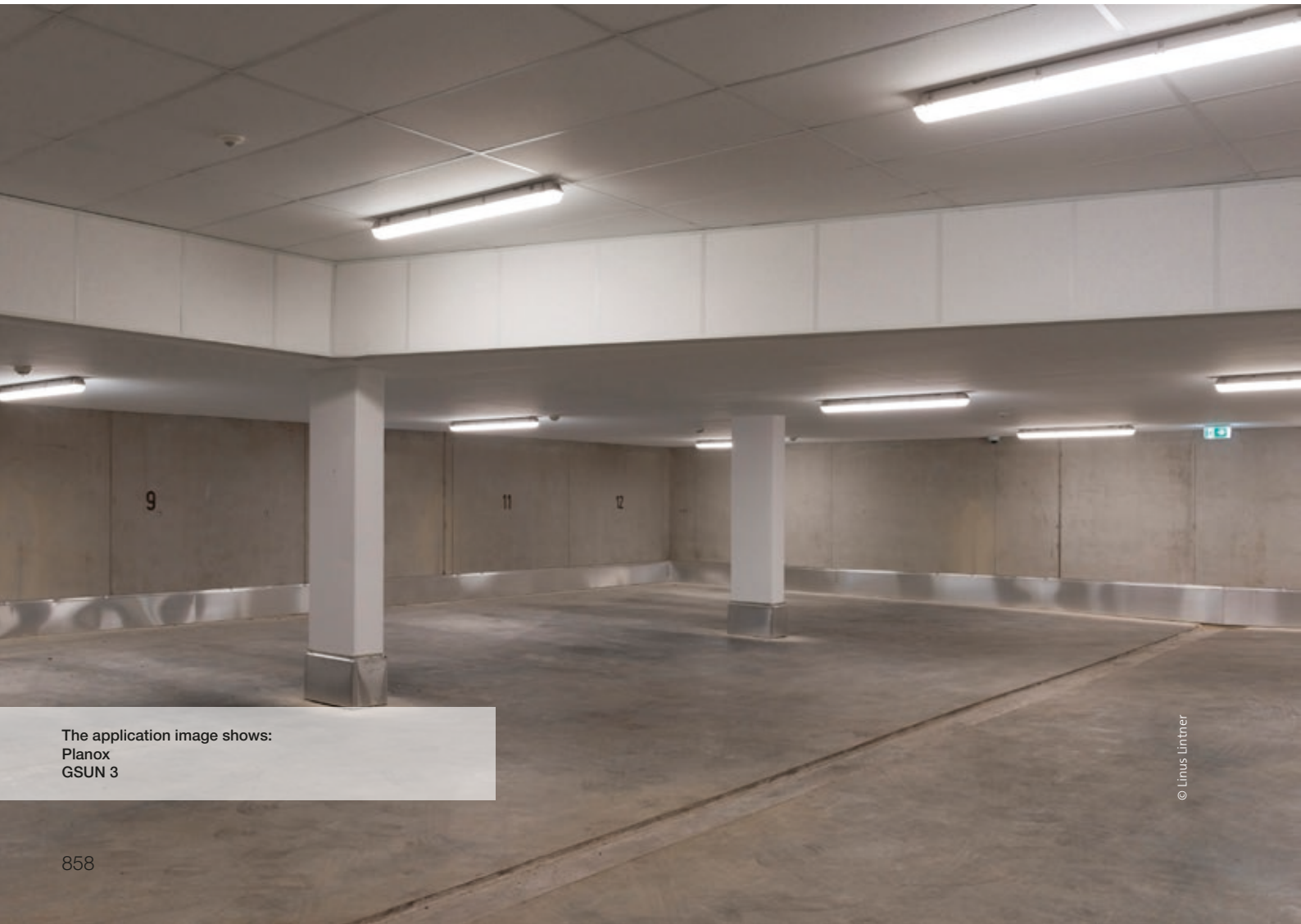
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast: EB



Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Refractor: plastic (PMMA)							
Length L 1278 mm							
672202.009	L 1278, B 96, H 100	840	3300 / 600 lm	31 W	NiMh	3 h	autotest
672202.009.04	L 1278, B 96, H 100	840	3300 / 600 lm	31 W	NiMh	3 h	MultiDigit
672202.009.07	L 1278, B 96, H 100	840	3300 / 600 lm	31 W	NiMh	3 h	DALI-Sibe
672202.009.2	L 1278, B 96, H 100	850	3350 / 600 lm	31 W	NiMh	3 h	autotest
672202.009.2.04	L 1278, B 96, H 100	850	3350 / 600 lm	31 W	NiMh	3 h	MultiDigit
672202.009.2.07	L 1278, B 96, H 100	850	3350 / 600 lm	31 W	NiMh	3 h	DALI-Sibe
672203.009	L 1278, B 96, H 100	840	5000 / 600 lm	44 W	NiMh	3 h	autotest
672203.009.04	L 1278, B 96, H 100	840	5000 / 600 lm	44 W	NiMh	3 h	MultiDigit
672203.009.07	L 1278, B 96, H 100	840	5000 / 600 lm	44 W	NiMh	3 h	DALI-Sibe
672203.009.2	L 1278, B 96, H 100	850	5050 / 550 lm	44 W	NiMh	3 h	autotest
672203.009.2.04	L 1278, B 96, H 100	850	5050 / 550 lm	44 W	NiMh	3 h	MultiDigit
672203.009.2.07	L 1278, B 96, H 100	850	5050 / 550 lm	44 W	NiMh	3 h	DALI-Sibe
672204.009	L 1278, B 96, H 100	840	5600 / 590 lm	51 W	NiMh	3 h	autotest
672204.009.04	L 1278, B 96, H 100	840	5600 / 590 lm	51 W	NiMh	3 h	MultiDigit
672204.009.07	L 1278, B 96, H 100	840	5600 / 590 lm	51 W	NiMh	3 h	DALI-Sibe
672204.009.2	L 1278, B 96, H 100	850	5700 / 580 lm	51 W	NiMh	3 h	autotest
672204.009.2.04	L 1278, B 96, H 100	850	5700 / 580 lm	51 W	NiMh	3 h	MultiDigit
672204.009.2.07	L 1278, B 96, H 100	850	5700 / 580 lm	51 W	NiMh	3 h	DALI-Sibe
Length L 1573 mm							
672205.009	L 1573, B 96, H 100	840	4100 / 550 lm	37 W	NiMh	3 h	autotest
672205.009.04	L 1573, B 96, H 100	840	4100 / 550 lm	37 W	NiMh	3 h	MultiDigit
672205.009.07	L 1573, B 96, H 100	840	4100 / 550 lm	37 W	NiMh	3 h	DALI-Sibe
672205.009.2	L 1573, B 96, H 100	850	4300 / 600 lm	37 W	NiMh	3 h	autotest
672205.009.2.04	L 1573, B 96, H 100	850	4300 / 600 lm	37 W	NiMh	3 h	MultiDigit
672205.009.2.07	L 1573, B 96, H 100	850	4300 / 600 lm	37 W	NiMh	3 h	DALI-Sibe
672206.009	L 1573, B 96, H 100	840	6400 / 540 lm	57 W	NiMh	3 h	autotest
672206.009.04	L 1573, B 96, H 100	840	6400 / 540 lm	57 W	NiMh	3 h	MultiDigit
672206.009.07	L 1573, B 96, H 100	840	6400 / 540 lm	57 W	NiMh	3 h	DALI-Sibe
672206.009.2	L 1573, B 96, H 100	850	6650 / 590 lm	57 W	NiMh	3 h	autotest
672206.009.2.04	L 1573, B 96, H 100	850	6650 / 590 lm	57 W	NiMh	3 h	MultiDigit
672206.009.2.07	L 1573, B 96, H 100	850	6650 / 590 lm	57 W	NiMh	3 h	DALI-Sibe

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Refractor: plastic (polycarbonate)							
Length L 1278 mm							
672202.009.1	L 1278, B 96, H 100	840	3250 / 600 lm	31 W	NiMh	3 h	autotest
672202.009.1.04	L 1278, B 96, H 100	840	3250 / 600 lm	31 W	NiMh	3 h	MultiDigit
672202.009.1.07	L 1278, B 96, H 100	840	3250 / 600 lm	31 W	NiMh	3 h	DALI-Sibe
672202.009.3	L 1278, B 96, H 100	850	3300 / 600 lm	31 W	NiMh	3 h	autotest
672202.009.3.04	L 1278, B 96, H 100	850	3300 / 600 lm	31 W	NiMh	3 h	MultiDigit
672202.009.3.07	L 1278, B 96, H 100	850	3300 / 600 lm	31 W	NiMh	3 h	DALI-Sibe
672203.009.1	L 1278, B 96, H 100	840	4700 / 550 lm	44 W	NiMh	3 h	autotest
672203.009.1.04	L 1278, B 96, H 100	840	4700 / 550 lm	44 W	NiMh	3 h	MultiDigit
672203.009.1.07	L 1278, B 96, H 100	840	4700 / 550 lm	44 W	NiMh	3 h	DALI-Sibe
672203.009.3	L 1278, B 96, H 100	850	4750 / 550 lm	44 W	NiMh	3 h	autotest
672203.009.3.04	L 1278, B 96, H 100	850	4750 / 550 lm	44 W	NiMh	3 h	MultiDigit
672203.009.3.07	L 1278, B 96, H 100	850	4750 / 550 lm	44 W	NiMh	3 h	DALI-Sibe
672204.009.1	L 1278, B 96, H 100	840	5300 / 550 lm	51 W	NiMh	3 h	autotest
672204.009.1.04	L 1278, B 96, H 100	840	5300 / 550 lm	51 W	NiMh	3 h	MultiDigit
672204.009.1.07	L 1278, B 96, H 100	840	5300 / 550 lm	51 W	NiMh	3 h	DALI-Sibe
672204.009.3	L 1278, B 96, H 100	850	5400 / 550 lm	51 W	NiMh	3 h	autotest
672204.009.3.04	L 1278, B 96, H 100	850	5400 / 550 lm	51 W	NiMh	3 h	MultiDigit
672204.009.3.07	L 1278, B 96, H 100	850	5400 / 550 lm	51 W	NiMh	3 h	DALI-Sibe
Length L 1573 mm							
672205.009.1	L 1573, B 96, H 100	840	3950 / 530 lm	37 W	NiMh	3 h	autotest
672205.009.1.04	L 1573, B 96, H 100	840	3950 / 530 lm	37 W	NiMh	3 h	MultiDigit
672205.009.1.07	L 1573, B 96, H 100	840	3950 / 530 lm	37 W	NiMh	3 h	DALI-Sibe
672205.009.3	L 1573, B 96, H 100	850	4150 / 580 lm	37 W	NiMh	3 h	autotest
672205.009.3.04	L 1573, B 96, H 100	850	4150 / 580 lm	37 W	NiMh	3 h	MultiDigit
672205.009.3.07	L 1573, B 96, H 100	850	4150 / 580 lm	37 W	NiMh	3 h	DALI-Sibe
672206.009.1	L 1573, B 96, H 100	840	6200 / 520 lm	57 W	NiMh	3 h	autotest
672206.009.1.04	L 1573, B 96, H 100	840	6200 / 520 lm	57 W	NiMh	3 h	MultiDigit
672206.009.1.07	L 1573, B 96, H 100	840	6200 / 520 lm	57 W	NiMh	3 h	DALI-Sibe
672206.009.3	L 1573, B 96, H 100	850	6400 / 570 lm	57 W	NiMh	3 h	autotest
672206.009.3.04	L 1573, B 96, H 100	850	6400 / 570 lm	57 W	NiMh	3 h	MultiDigit
672206.009.3.07	L 1573, B 96, H 100	850	6400 / 570 lm	57 W	NiMh	3 h	DALI-Sibe



The application image shows:
Planox
GSUN 3

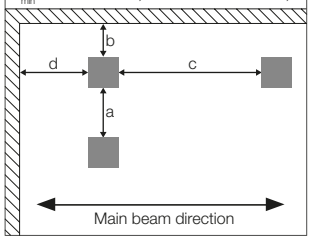
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Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Refractor: plastic (PMMA)						
Length L 658 mm						
672143.009	L 658, B 96, H 100	840	2850 / 2850 lm	23 W	without battery	standard
672143.009.2	L 658, B 96, H 100	850	3050 / 3050 lm	23 W	without battery	standard
672143.009.89	L 658, B 96, H 100	840	2850 / 2850 lm	24 W	without battery	AC-Control
672143.009.2.89	L 658, B 96, H 100	850	3050 / 3050 lm	24 W	without battery	AC-Control
Length L 1278 mm						
672144.009	L 1278, B 96, H 100	840	3350 / 3350 lm	28 W	without battery	standard
672144.009.2	L 1278, B 96, H 100	850	3400 / 3400 lm	28 W	without battery	standard
672144.009.89	L 1278, B 96, H 100	840	3350 / 3350 lm	29 W	without battery	AC-Control
672144.009.2.89	L 1278, B 96, H 100	850	3400 / 3400 lm	29 W	without battery	AC-Control
672199.009	L 1278, B 96, H 100	840	5100 / 5100 lm	41 W	without battery	standard
672199.009.2	L 1278, B 96, H 100	850	5400 / 5400 lm	41 W	without battery	standard
672199.009.89	L 1278, B 96, H 100	840	5100 / 5100 lm	42 W	without battery	AC-Control
672199.009.2.89	L 1278, B 96, H 100	850	5400 / 5400 lm	42 W	without battery	AC-Control
672200.009	L 1278, B 96, H 100	840	5700 / 5700 lm	48 W	without battery	standard
672200.009.2	L 1278, B 96, H 100	850	5900 / 5900 lm	48 W	without battery	standard
672200.009.89	L 1278, B 96, H 100	840	5700 / 5700 lm	49 W	without battery	AC-Control
672200.009.2.89	L 1278, B 96, H 100	850	5900 / 5900 lm	49 W	without battery	AC-Control
Length L 1573 mm						
672145.009	L 1573, B 96, H 100	840	4150 / 4150 lm	34 W	without battery	standard
672145.009.2	L 1573, B 96, H 100	850	4200 / 4250 lm	34 W	without battery	standard
672145.009.89	L 1573, B 96, H 100	840	4150 / 4150 lm	35 W	without battery	AC-Control
672145.009.2.89	L 1573, B 96, H 100	850	4200 / 4250 lm	35 W	without battery	AC-Control
672201.009	L 1573, B 96, H 100	840	6550 / 6550 lm	54 W	without battery	standard
672201.009.2	L 1573, B 96, H 100	850	7050 / 7050 lm	54 W	without battery	standard
672201.009.89	L 1573, B 96, H 100	840	6550 / 6550 lm	55 W	without battery	AC-Control
672201.009.2.89	L 1573, B 96, H 100	850	7050 / 7050 lm	55 W	without battery	AC-Control
Refractor: plastic (polycarbonate)						
Length L 658 mm						
672143.009.1	L 658, B 96, H 100	840	2750 / 2750 lm	23 W	without battery	standard
672143.009.3	L 658, B 96, H 100	850	2950 / 2950 lm	23 W	without battery	standard
672143.009.1.89	L 658, B 96, H 100	840	2750 / 2750 lm	24 W	without battery	AC-Control
672143.009.3.89	L 658, B 96, H 100	850	2950 / 2950 lm	24 W	without battery	AC-Control
Length L 1278 mm						
672144.009.1	L 1278, B 96, H 100	840	3250 / 3250 lm	28 W	without battery	standard
672144.009.3	L 1278, B 96, H 100	850	3300 / 3300 lm	28 W	without battery	standard
672144.009.1.89	L 1278, B 96, H 100	840	3250 / 3250 lm	29 W	without battery	AC-Control
672144.009.3.89	L 1278, B 96, H 100	850	3300 / 3300 lm	29 W	without battery	AC-Control
672199.009.1	L 1278, B 96, H 100	840	4850 / 4850 lm	41 W	without battery	standard
672199.009.3	L 1278, B 96, H 100	850	5150 / 5150 lm	41 W	without battery	standard
672199.009.1.89	L 1278, B 96, H 100	840	4850 / 4850 lm	42 W	without battery	AC-Control
672199.009.3.89	L 1278, B 96, H 100	850	5150 / 5150 lm	42 W	without battery	AC-Control
672200.009.1	L 1278, B 96, H 100	840	5400 / 5400 lm	48 W	without battery	standard
672200.009.3	L 1278, B 96, H 100	850	5800 / 5800 lm	48 W	without battery	standard
672200.009.1.89	L 1278, B 96, H 100	840	5400 / 5400 lm	49 W	without battery	AC-Control
672200.009.3.89	L 1278, B 96, H 100	850	5800 / 5800 lm	49 W	without battery	AC-Control
Length L 1573 mm						
672145.009.1	L 1573, B 96, H 100	840	4050 / 4050 lm	34 W	without battery	standard
672145.009.3	L 1573, B 96, H 100	850	4150 / 4150 lm	34 W	without battery	standard
672145.009.1.89	L 1573, B 96, H 100	840	4050 / 4050 lm	35 W	without battery	AC-Control
672145.009.3.89	L 1573, B 96, H 100	850	4150 / 4150 lm	35 W	without battery	AC-Control
672201.009.1	L 1573, B 96, H 100	840	6350 / 6350 lm	54 W	without battery	standard
672201.009.3	L 1573, B 96, H 100	850	6750 / 6750 lm	54 W	without battery	standard
672201.009.1.89	L 1573, B 96, H 100	840	6350 / 6350 lm	55 W	without battery	AC-Control
672201.009.3.89	L 1573, B 96, H 100	850	6750 / 6750 lm	55 W	without battery	AC-Control

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672202.009

Luminous flux emergency: 600 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,6	4,0	12,7	5,1
3,0	10,5	4,2	13,6	5,2
3,5	11,3	4,5	14,4	5,3
4,0	11,8	4,7	14,5	5,6

672202.009.2

Luminous flux emergency: 600 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,6	4,0	12,7	5,1
3,0	10,5	4,2	13,6	5,2
3,5	11,2	4,5	14,4	5,3
4,0	11,8	4,6	14,6	5,6

672203.009

Luminous flux emergency: 600 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,4	3,9	12,5	5,0
3,0	10,2	4,2	13,3	5,4
3,5	11,0	4,5	14,2	5,7
4,0	11,6	4,7	15,0	6,0

672203.009.2

Luminous flux emergency: 550 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,0	2,8	6,0	2,8
3,0	6,9	3,2	6,9	3,2
3,5	7,9	3,7	7,9	3,7
4,0	8,8	4,1	8,8	4,1

672204.009

Luminous flux emergency: 590 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,4	3,8	12,4	5,0
3,0	10,2	4,2	13,2	5,3
3,5	10,9	4,5	14,1	5,6
4,0	11,6	4,7	14,9	6,0

672204.009.2

Luminous flux emergency: 580 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,9	12,5	5,0
3,0	10,4	4,2	13,4	5,4
3,5	11,1	4,5	14,3	5,6
4,0	11,8	4,7	15,0	5,9

672205.009

Luminous flux emergency: 550 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,2	4,1	12,3	4,9
3,0	11,0	4,4	13,2	5,2
3,5	11,8	4,7	13,9	5,4
4,0	12,4	4,9	14,5	5,6

672205.009.2

Luminous flux emergency: 600 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,4	4,2	12,7	5,1
3,0	11,2	4,5	13,6	5,4
3,5	12,0	4,8	14,3	5,6
4,0	12,6	5,0	15,0	5,8

672206.009

Luminous flux emergency: 540 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,9	4,0	12,3	4,9
3,0	10,7	4,3	13,1	5,2
3,5	11,5	4,6	13,8	5,4
4,0	12,1	4,7	14,5	5,6

672206.009.2

Luminous flux emergency: 590 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,2	4,2	12,7	5,0
3,0	11,1	4,5	13,6	5,3
3,5	11,8	4,7	14,3	5,6
4,0	12,4	4,9	14,9	5,8

672202.009.1

Luminous flux emergency: 600 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,9	12,6	5,1
3,0	10,4	4,2	13,6	5,2
3,5	11,2	4,4	14,4	5,3
4,0	11,7	4,6	14,9	5,6

672203.009.1

Luminous flux emergency: 550 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,8	12,6	5,0
3,0	10,2	4,1	13,5	5,3
3,5	10,9	4,3	14,2	5,5
4,0	11,5	4,5	14,9	5,7

672205.009.1

Luminous flux emergency: 530 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,7	3,9	12,3	4,9
3,0	10,5	4,2	13,2	5,2
3,5	11,2	4,5	13,8	5,4
4,0	11,8	4,6	14,4	5,5

672205.009.3

Luminous flux emergency: 580 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,9	4,0	12,7	5,0
3,0	10,8	4,3	13,6	5,3
3,5	11,5	4,6	14,3	5,6
4,0	12,1	4,8	14,9	5,8

672206.009.1

Luminous flux emergency: 520 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,5	3,9	12,3	4,9
3,0	10,3	4,1	13,1	5,2
3,5	11,0	4,4	13,9	5,4
4,0	11,6	4,6	14,5	5,6

672206.009.3

Luminous flux emergency: 570 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,7	4,0	12,7	5,0
3,0	10,6	4,3	13,5	5,4
3,5	11,3	4,5	14,3	5,6
4,0	11,9	4,7	15,0	5,8

672143.009

Luminous flux emergency: 2850 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,6	6,5	20,4	8,3
3,0	17,0	7,0	21,9	8,9
3,5	18,3	7,6	23,4	9,4
4,0	19,5	8,0	24,6	9,9

672143.009.2

Luminous flux emergency: 3050 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,9	6,6	20,8	8,4
3,0	17,3	7,2	22,4	9,1
3,5	18,6	7,7	23,8	9,6
4,0	19,9	8,2	25,1	10,1

672144.009

Luminous flux emergency: 3350 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,8	6,6	21,4	8,7
3,0	17,3	7,2	23,1	9,4
3,5	18,7	7,8	24,6	10,0
4,0	19,9	8,2	25,9	10,5

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

672144.009.2

Luminous flux emergency: 3400 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,9	6,6	21,5	8,7
3,0	17,4	7,2	23,2	9,4
3,5	18,7	7,8	24,7	10,0
4,0	20,0	8,3	26,1	10,5

672199.009

Luminous flux emergency: 5100 lm
Following values are indicated in m

h	a	b	c	d
2,5	17,6	7,4	24,3	9,9
3,0	19,3	8,1	26,1	10,6
3,5	20,8	8,7	27,8	11,3
4,0	22,3	9,3	29,4	11,9

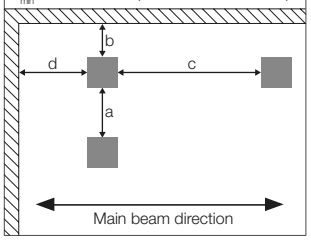
672199.009.2

Luminous flux emergency: 5400 lm
Following values are indicated in m

h	a	b	c	d
2,5	17,8	7,5	24,7	10,0
3,0	19,5	8,2	26,6	10,8
3,5	21,1	8,8	28,3	11,5
4,0	22,6	9,4	29,9	12,1

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672200.009

Luminous flux emergency: 5700 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,0	7,6	25,1	10,2
3,0	19,8	8,3	27,0	11,0
3,5	21,4	8,9	28,8	11,7
4,0	22,8	9,5	30,4	12,3

672200.009.2

Luminous flux emergency: 5900 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,2	7,6	25,4	10,3
3,0	19,9	8,4	27,3	11,1
3,5	21,6	9,0	29,1	11,8
4,0	23,0	9,6	30,8	12,5

672145.009

Luminous flux emergency: 4150 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,7	7,0	23,0	9,3
3,0	18,3	7,7	24,7	10,0
3,5	19,8	8,3	26,3	10,6
4,0	21,2	8,8	27,7	11,2

672145.009.2

Luminous flux emergency: 4250 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,7	7,0	23,0	9,3
3,0	18,4	7,7	24,8	10,1
3,5	19,8	8,3	26,4	10,7
4,0	21,2	8,8	27,8	11,2

672201.009

Luminous flux emergency: 6550 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,7	7,8	26,3	10,7
3,0	20,5	8,6	28,3	11,5
3,5	22,2	9,3	30,1	12,2
4,0	23,7	9,9	31,8	12,9

672201.009.2

Luminous flux emergency: 7050 lm
Following values are indicated in m

h	a	b	c	d
2,5	19,0	8,0	26,9	10,9
3,0	20,9	8,8	28,9	11,7
3,5	22,6	9,5	30,8	12,5
4,0	24,1	10,1	32,5	13,2

672143.009.1

Luminous flux emergency: 2750 lm
Following values are indicated in m

h	a	b	c	d
2,5	14,9	6,2	20,4	8,3
3,0	16,3	6,7	22,0	8,9
3,5	17,5	7,2	23,4	9,4
4,0	18,6	7,7	24,6	9,9

672143.009.3

Luminous flux emergency: 2950 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,2	6,3	20,9	8,5
3,0	16,6	6,9	22,5	9,1
3,5	17,8	7,4	23,9	9,6
4,0	19,0	7,8	25,2	10,1

672144.009.1

Luminous flux emergency: 3250 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,2	6,4	21,6	8,8
3,0	16,7	6,9	23,3	9,4
3,5	18,0	7,5	24,8	10,0
4,0	19,2	7,9	26,2	10,5

672144.009.3

Luminous flux emergency: 3300 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,3	6,4	21,7	8,8
3,0	16,8	7,0	23,4	9,5
3,5	18,1	7,5	25,0	10,1
4,0	19,3	8,0	26,3	10,6

672199.009.1

Luminous flux emergency: 4850 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,8	7,0	24,3	9,9
3,0	18,5	7,7	26,2	10,7
3,5	19,9	8,3	27,9	11,3
4,0	21,3	8,8	29,5	11,9

672199.009.3

Luminous flux emergency: 5150 lm
Following values are indicated in m

h	a	b	c	d
2,5	17,1	7,2	24,8	10,1
3,0	18,8	7,8	26,7	10,9
3,5	20,3	8,4	28,5	11,5
4,0	21,6	9,0	30,1	12,2

672200.009.1

Luminous flux emergency: 5400 lm
Following values are indicated in m

h	a	b	c	d
2,5	17,3	7,2	25,1	10,2
3,0	19,0	7,9	27,0	11,0
3,5	20,5	8,5	28,9	11,7
4,0	21,9	9,1	30,5	12,3

672200.009.3

Luminous flux emergency: 5800 lm
Following values are indicated in m

h	a	b	c	d
2,5	17,6	7,4	25,6	10,4
3,0	19,3	8,1	27,7	11,3
3,5	20,9	8,7	29,5	12,0
4,0	22,3	9,3	31,2	12,6

672145.009.1

Luminous flux emergency: 4050 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,2	7,6	26,7	10,9
3,0	19,9	8,4	28,8	11,7
3,5	21,6	9,0	30,7	12,5
4,0	23,1	9,6	32,4	13,1

672145.009.3

Luminous flux emergency: 4150 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,2	7,6	26,7	10,9
3,0	19,9	8,4	28,8	11,7
3,5	21,6	9,0	30,7	12,5
4,0	23,1	9,6	32,4	13,1

672201.009.1

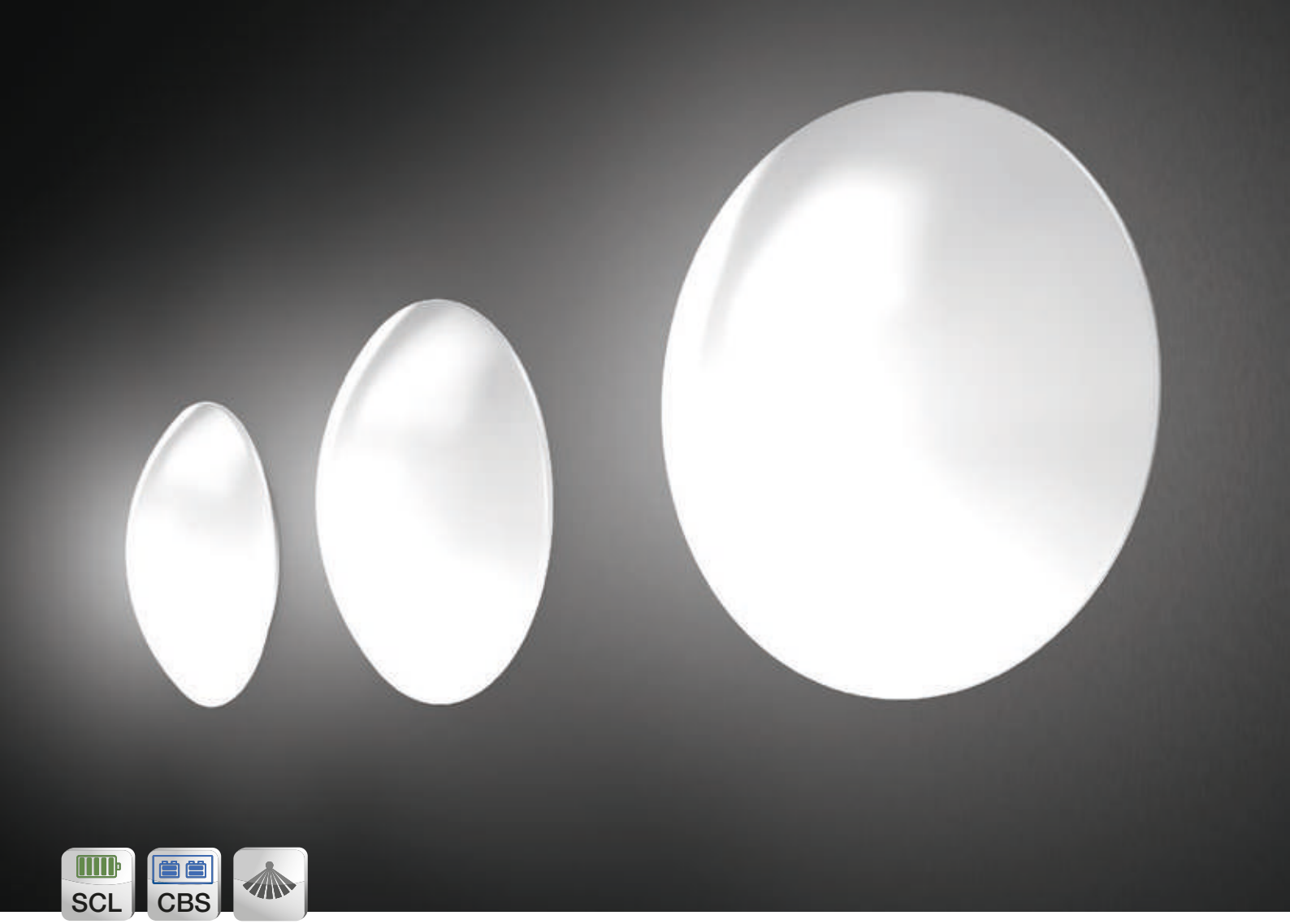
Luminous flux emergency: 6350 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,2	7,6	26,7	10,9
3,0	19,9	8,4	28,8	11,7
3,5	21,6	9,0	30,7	12,5
4,0	23,1	9,6	32,4	13,1

672201.009.3

Luminous flux emergency: 6750 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,2	7,6	26,7	10,9
3,0	19,9	8,4	28,8	11,7
3,5	21,6	9,0	30,7	12,5
4,0	23,1	9,6	32,4	13,1



FLAT POLYMERO®

Ceiling and wall luminaires

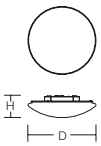
- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- LED rated life 50,000 h
- Design matches modern architectural styles
- Easy to install
- Low maintenance costs




Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires - decorative
Indoor lighting | Pendant luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Polymero





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route illumination

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal.
Diffuser fastening: patented push system.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

SCL

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Diameter D 360 mm							
672058.002.7 .Q	D 360, H 116	830	1450 / 130 lm	17 W	NiMh	3 h	autotest
672058.002.7.04	D 360, H 116	830	1450 / 130 lm	17 W	NiMh	3 h	MultiDigit
672058.002.7.07	D 360, H 116	830	1450 / 130 lm	17 W	NiMh	3 h	DALI-Sibe
672134.002.7.19 *	D 360, H 116	830	1450 / 120 lm	17 W	NiMh	3 h	autotest
672058.002.5 .Q	D 360, H 116	840	1450 / 130 lm	17 W	NiMh	3 h	autotest
672058.002.5.04	D 360, H 116	840	1450 / 130 lm	17 W	NiMh	3 h	MultiDigit
672058.002.5.07	D 360, H 116	840	1450 / 130 lm	17 W	NiMh	3 h	DALI-Sibe
672134.002.5.19 .Q*	D 360, H 116	840	1450 / 120 lm	17 W	NiMh	3 h	autotest
Diameter D 460 mm							
672059.002.7 .Q	D 460, H 120	830	2100 / 100 lm	22 W	NiCd	3 h	autotest
672059.002.7.04	D 460, H 120	830	2100 / 100 lm	22 W	NiCd	3 h	MultiDigit
672059.002.7.07	D 460, H 120	830	2100 / 100 lm	22 W	NiCd	3 h	DALI-Sibe
672059.002.7.19 *	D 460, H 120	830	2100 / 100 lm	22 W	NiCd	3 h	autotest
672059.002.5 .Q	D 460, H 120	840	2100 / 100 lm	22 W	NiCd	3 h	autotest
672059.002.5.04	D 460, H 120	840	2100 / 100 lm	22 W	NiCd	3 h	MultiDigit
672059.002.5.07	D 460, H 120	840	2100 / 100 lm	22 W	NiCd	3 h	DALI-Sibe
672059.002.5.19 *	D 460, H 120	840	2100 / 100 lm	22 W	NiCd	3 h	autotest
672133.002.7	D 460, H 120	830	2050 / 100 lm	22 W	NiMh	**8 h**	autotest
672133.002.7.07	D 460, H 120	830	2050 / 100 lm	22 W	NiMh	**8 h**	DALI-Sibe
672133.002.7.19 *	D 460, H 120	830	2100 / 100 lm	22 W	NiMh	**8 h**	autotest
672133.002.5	D 460, H 120	840	2050 / 100 lm	22 W	NiMh	**8 h**	autotest
672133.002.5.07	D 460, H 120	840	2050 / 100 lm	22 W	NiMh	**8 h**	DALI-Sibe
672133.002.5.19 *	D 460, H 120	840	2100 / 100 lm	22 W	NiMh	**8 h**	autotest
Diameter D 515 mm							
672386.002	D 515, H 150	830	2600 / 280 lm	27 W	NiMh	3 h	autotest
672386.002.04	D 515, H 150	830	2600 / 280 lm	27 W	NiMh	3 h	MultiDigit
672386.002.07	D 515, H 150	830	2600 / 280 lm	27 W	NiMh	3 h	DALI-Sibe
672386.002.1	D 515, H 150	840	2600 / 280 lm	27 W	NiMh	3 h	autotest
672386.002.1.04	D 515, H 150	840	2600 / 280 lm	27 W	NiMh	3 h	MultiDigit
672386.002.1.07	D 515, H 150	840	2600 / 280 lm	27 W	NiMh	3 h	DALI-Sibe
Diameter D 620 mm							
672260.002	D 620, H 160	830	4050 / 390 lm	41 W	NiMh	3 h	autotest
672260.002.04	D 620, H 160	830	4050 / 390 lm	41 W	NiMh	3 h	MultiDigit
672260.002.07	D 620, H 160	830	4050 / 390 lm	41 W	NiMh	3 h	DALI-Sibe
672260.002.1	D 620, H 160	840	4050 / 390 lm	41 W	NiMh	3 h	autotest
672260.002.1.04	D 620, H 160	840	4050 / 390 lm	41 W	NiMh	3 h	MultiDigit
672260.002.1.07	D 620, H 160	840	4050 / 390 lm	41 W	NiMh	3 h	DALI-Sibe
672261.002	D 620, H 160	830	4050 / 100 lm	41 W	NiMh	**8 h**	autotest
672261.002.04	D 620, H 160	830	4050 / 100 lm	41 W	NiMh	**8 h**	MultiDigit
672261.002.07	D 620, H 160	830	4050 / 100 lm	41 W	NiMh	**8 h**	DALI-Sibe
672261.002.1	D 620, H 160	840	4050 / 100 lm	41 W	NiMh	**8 h**	autotest
672261.002.1.04	D 620, H 160	840	4050 / 100 lm	41 W	NiMh	**8 h**	MultiDigit
672261.002.1.07	D 620, H 160	840	4050 / 100 lm	41 W	NiMh	**8 h**	DALI-Sibe

* with integrated movement sensor

CBS

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Diameter D 360 mm						
672335.002.1 .Q	D 360, H 100	830	1150 / 250 lm	13 W	without battery	standard
672335.002.3	D 360, H 100	840	1200 / 250 lm	13 W	without battery	standard
672335.002.1.89	D 360, H 100	830	1150 / 250 lm	14 W	without battery	AC-Control
672335.002.3.89	D 360, H 100	840	1200 / 250 lm	14 W	without battery	AC-Control
672056.002.7	D 360, H 100	830	1450 / 1450 lm	14 W	without battery	standard
672056.002.5	D 360, H 100	840	1450 / 1450 lm	14 W	without battery	standard
672056.002.7.89	D 360, H 100	830	1450 / 1450 lm	15 W	without battery	AC-Control
672056.002.5.89	D 360, H 100	840	1450 / 1450 lm	15 W	without battery	AC-Control
672381.002.1	D 360, H 100	830	1850 / 350 lm	21 W	without battery	standard
672381.002.3	D 360, H 100	840	1950 / 350 lm	21 W	without battery	standard
Diameter D 460 mm						
672057.002.7	D 460, H 120	830	2100 / 2100 lm	19 W	without battery	standard
672057.002.5	D 460, H 120	840	2100 / 2100 lm	19 W	without battery	standard
672057.002.7.89	D 460, H 120	830	2100 / 2100 lm	20 W	without battery	AC-Control
672057.002.5.89	D 460, H 120	840	2100 / 2100 lm	20 W	without battery	AC-Control
Diameter D 515 mm						
672388.002	D 515, H 150	830	2600 / 250 lm	24 W	without battery	standard
672388.002.89	D 515, H 150	830	2600 / 250 lm	24 W	without battery	AC-Control
672388.002.1	D 515, H 150	840	2600 / 250 lm	24 W	without battery	standard
672388.002.1.89	D 515, H 150	840	2600 / 250 lm	24 W	without battery	AC-Control
Diameter D 620 mm						
672262.002	D 620, H 160	830	4050 / 250 lm	38 W	without battery	standard
672262.002.89	D 620, H 160	830	4050 / 250 lm	38 W	without battery	AC-Control
672262.002.1	D 620, H 160	840	4050 / 250 lm	38 W	without battery	standard
672262.002.1.89	D 620, H 160	840	4050 / 250 lm	38 W	without battery	AC-Control

Accessories | Surface mounting accessories

Height adjustment box for general lighting luminaires (required only for D 360 mm).

Height adjustment box		**Price Category 23**
981961.002	L 200, B 200, H 30	

Replacement diffusers		**Price Category 13**
08-311161.012	D 360, H 88	Plastic (PMMA)
08-311165.012	D 460, H 113	Plastic (PMMA)
08-311173.012	D 620, H 150	Plastic (PMMA)

672058.002.7

Luminous flux emergency: 130 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,2	2,7	7,2	2,7
3,0	7,6	2,8	7,6	2,8
3,5	7,8	2,7	7,8	2,7
4,0	7,9	2,6	7,9	2,6

672058.002.5

Luminous flux emergency: 130 lm
Following values are indicated in m

h	a	b	c	d
2,5	7,2	2,7	7,2	2,7
3,0	7,6	2,8	7,6	2,8
3,5	7,8	2,7	7,8	2,7
4,0	7,9	2,6	7,9	2,6

672134.002.5.19

Luminous flux emergency: 120 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,8	2,5	6,8	2,5
3,0	7,1	2,5	7,1	2,5
3,5	7,3	2,4	7,3	2,4
4,0	7,3	2,2	7,3	2,2

672059.002.5

Luminous flux emergency: 100 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,8	2,5	6,8	2,5
3,0	7,1	2,5	7,1	2,5
3,5	7,2	2,4	7,2	2,4
4,0	7,2	2,2	7,2	2,2

672386.002

Luminous flux emergency: 280 lm
Following values are indicated in m

h	a	b	c	d
2,5	18,3	7,4	18,3	7,4
3,0	19,6	7,9	19,6	7,9
3,5	20,9	8,4	20,9	8,4
4,0	22,0	8,8	22,0	8,8

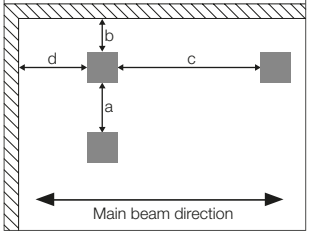
672260.002

Luminous flux emergency: 390 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,2	4,1	10,2	4,1
3,0	10,9	4,3	10,9	4,3
3,5	11,5	4,5	11,5	4,5
4,0	12,0	4,6	12,0	4,6

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672261.002

Luminous flux emergency: 100 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,4	2,3	6,4	2,3
3,0	6,6	2,3	6,6	2,3
3,5	6,7	2,1	6,7	2,1
4,0	6,6	1,8	6,6	1,8

672056.002.5

Luminous flux emergency: 1450 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,1	6,1	15,1	6,1
3,0	16,2	6,5	16,2	6,5
3,5	17,2	6,9	17,2	6,9
4,0	18,2	7,3	18,2	7,3

672057.002.5

Luminous flux emergency: 2100 lm
Following values are indicated in m

h	a	b	c	d
2,5	16,8	6,8	16,8	6,8
3,0	18,1	7,3	18,1	7,3
3,5	19,3	7,8	19,3	7,8
4,0	20,3	8,2	20,3	8,2

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



The application image shows:
Flat Polymero
Halyxx

© Linus Lintner



FLAT POLYMERO® KREIS

Ceiling and wall luminaires

- Design continuity to the general lighting product range.
  We offer an extensive range of emergency lighting and general lighting systems.
  As such, we can provide our customers with integrated solutions for all areas of application, depending on their construction projects.
- Design matches modern architectural styles
- Compact design
- Easy to install
- Low maintenance costs



Further luminaires of this series, see:
Indoor lighting | Pendant luminaires
Indoor lighting | Ceiling and wall luminaires

672092.002.5

Luminous flux emergency: 120 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,7	2,4	6,7	2,4
3,0	6,9	2,3	6,9	2,3
3,5	6,9	2,2	6,9	2,2
4,0	6,8	1,8	6,8	1,8

672093.002.5

Luminous flux emergency: 80 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,2	2,3	6,2	2,3
3,0	6,4	2,2	6,4	2,2
3,5	6,5	2,0	6,5	2,0
4,0	6,4	1,6	6,4	1,6

672387.002

Luminous flux emergency: 230 lm
Following values are indicated in m

h	a	b	c	d
2,5	17,8	7,3	17,8	7,3
3,0	19,3	7,9	19,3	7,9
3,5	20,6	8,4	20,6	8,4
4,0	21,8	8,8	21,8	8,8

672344.002.5

Luminous flux emergency: 1600 lm
Following values are indicated in m

h	a	b	c	d
2,5	15,7	6,4	15,7	6,4
3,0	16,9	6,8	16,9	6,8
3,5	18,0	7,3	18,0	7,3
4,0	19,0	7,6	19,0	7,6

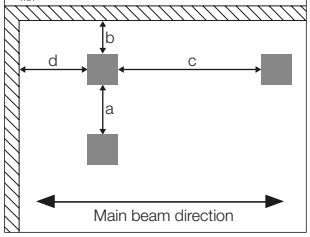
672389.002

Luminous flux emergency: 250 lm
Following values are indicated in m

h	a	b	c	d
2,5	14,3	5,8	14,3	5,8
3,0	15,4	6,2	15,4	6,2
3,5	16,4	6,6	16,4	6,6
4,0	17,3	6,9	17,3	6,9

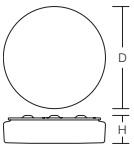
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Flat Polymero Kreis





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK03

For escape route illumination

Base: metal, powder-coated. Diffuser: plastic (PMMA), opal.
Diffuser fastening: patented push system.

Available colour: 2 = white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							**Price Category 23**
Diameter D 360 mm							
672092.002.7	D 360, H 109	830	1600 / 120 lm	17 W	NiMh	3 h	autotest
672092.002.7.04	D 360, H 109	830	1600 / 120 lm	17 W	NiMh	3 h	MultiDigit
672092.002.7.07	D 360, H 109	830	1600 / 120 lm	17 W	NiMh	3 h	DALI-Sibe
672092.002.5	D 360, H 109	840	1600 / 120 lm	17 W	NiMh	3 h	autotest
672092.002.5.04	D 360, H 109	840	1600 / 120 lm	17 W	NiMh	3 h	MultiDigit
672092.002.5.07	D 360, H 109	840	1600 / 120 lm	17 W	NiMh	3 h	DALI-Sibe
Diameter D 460 mm							
672093.002.7	D 460, H 95	830	2100 / 80 lm	22 W	NiCd	3 h	autotest
672093.002.7.04	D 460, H 95	830	2100 / 80 lm	22 W	NiCd	3 h	MultiDigit
672093.002.7.07	D 460, H 95	830	2100 / 80 lm	22 W	NiCd	3 h	DALI-Sibe
672093.002.7.19 *	D 460, H 95	830	2100 / 80 lm	22 W	NiCd	3 h	autotest
672093.002.5	D 460, H 95	840	2100 / 80 lm	22 W	NiCd	3 h	autotest
672093.002.5.04	D 460, H 95	840	2100 / 80 lm	22 W	NiCd	3 h	MultiDigit
672093.002.5.07	D 460, H 95	840	2100 / 80 lm	22 W	NiCd	3 h	DALI-Sibe
Diameter D 515 mm							
672387.002	D 515, H 98	830	2600 / 230 lm	27 W	NiMh	3 h	autotest
672387.002.04	D 515, H 98	830	2600 / 230 lm	27 W	NiMh	3 h	MultiDigit
672387.002.07	D 515, H 98	830	2600 / 230 lm	27 W	NiMh	3 h	DALI-Sibe
672387.002.1	D 515, H 98	840	2600 / 230 lm	27 W	NiMh	3 h	autotest
672387.002.1.04	D 515, H 98	840	2600 / 230 lm	27 W	NiMh	3 h	MultiDigit
672387.002.1.07	D 515, H 98	840	2600 / 230 lm	27 W	NiMh	3 h	DALI-Sibe

* with integrated movement sensor

SCL

Luminaires for central battery system							**Price Category 24**
Diameter D 360 mm							
672389.002	D 360, H 87	830	1200 / 250 lm	14 W	without battery		standard
672389.002.1	D 360, H 87	840	1200 / 250 lm	14 W	without battery		standard
672344.002.7	D 360, H 87	830	1600 / 1600 lm	14 W	without battery		standard
672344.002.5	D 360, H 87	840	1600 / 1600 lm	14 W	without battery		standard
672389.002.89	D 360, H 87	830	1250 / 250 lm	15 W	without battery		AC-Control
672389.002.1.89	D 360, H 87	840	1250 / 250 lm	15 W	without battery		AC-Control
672344.002.7.89	D 360, H 87	830	1600 / 1600 lm	15 W	without battery		AC-Control
672344.002.5.89	D 360, H 87	840	1600 / 1600 lm	15 W	without battery		AC-Control
Diameter D 460 mm							
672343.002.7	D 460, H 93	830	2100 / 2100 lm	19 W	without battery		standard
672343.002.5	D 460, H 93	840	2100 / 2100 lm	19 W	without battery		standard
672343.002.7.89	D 460, H 93	830	2100 / 2100 lm	20 W	without battery		AC-Control
672343.002.5.89	D 460, H 93	840	2100 / 2100 lm	20 W	without battery		AC-Control

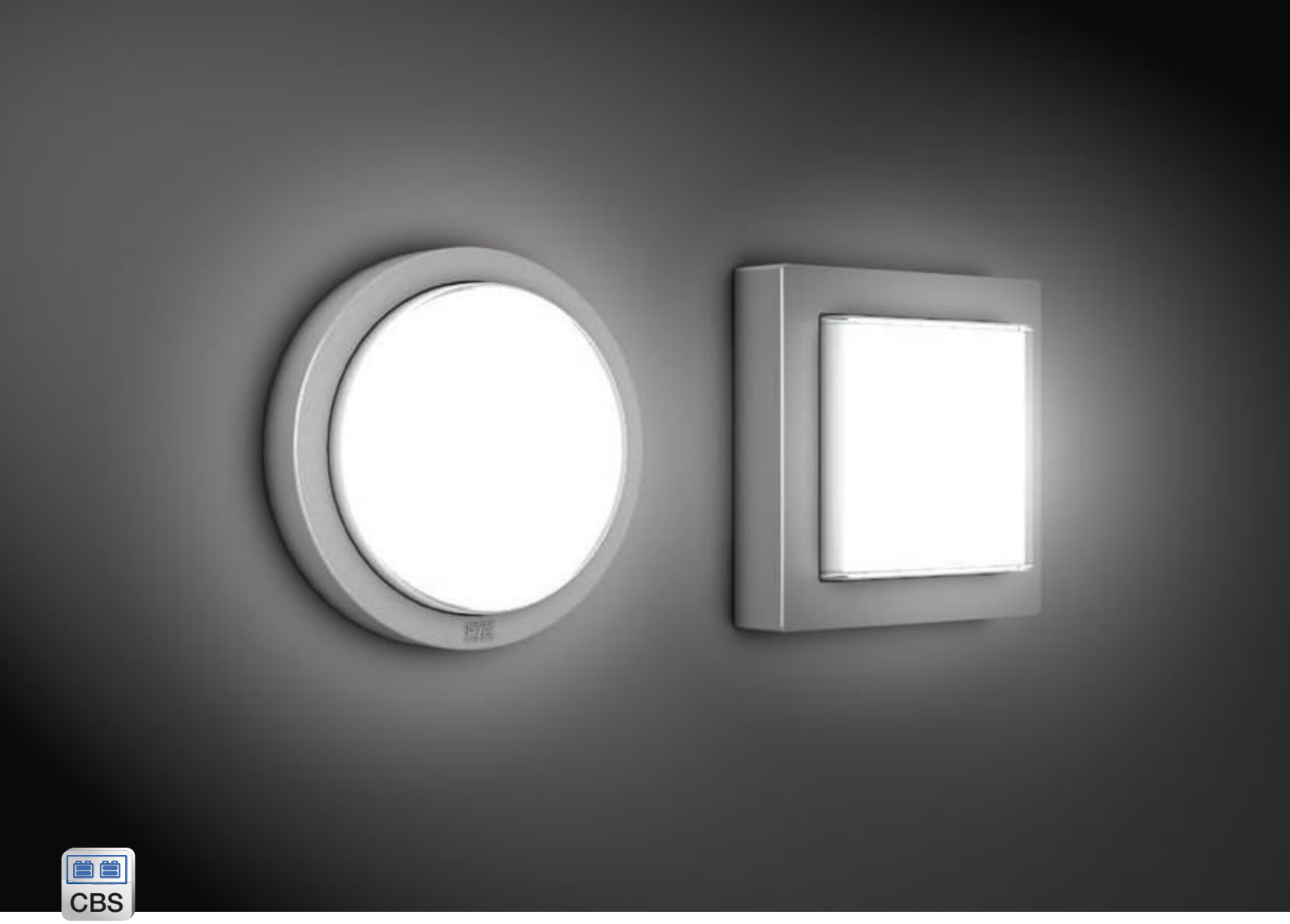
CBS

Accessories | Surface mounting accessories

Height adjustment box for general lighting luminaires (required only for D 360 mm).

Height adjustment box		**Price Category 23**
981961.002	L 200, B 200, H 30	

Replacement diffusers			**Price Category 13**
08-311595.002	D 360, H 81	Plastic (PMMA)	
08-311600.002	D 460, H 88	Plastic (PMMA)	



CBS

CADERO®

Ceiling and wall luminaires

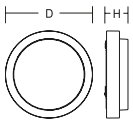
- The flat design provides universal applicability with circular or square glass cover option
- The inside matte crystal glass diffuser appears brillant also in the daytime.
- Smart, cost-effective LED modules for mains voltage with high total LED luminous efficiency for energy-saving operation
- Durability by using high-quality materials like aluminium and crystal glass as well as long-lasting powder-coating
- Seawater resistant coating
- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Second cable inlet for loop through
- The high type of protection IP 65 enables maintenance-free, plain LED operation



Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Cadero Disca





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

For escape route illumination

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Clear crystal glass diffuser, inside satin finish, retained in cover. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. Screwless cover fixing via bayonet lock with safety catch. With membrane valve as a standard to prevent condensed water. With mains voltage LED module.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

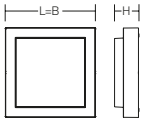
Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
672289.00X	D 276, H 66	830	710 / 190 lm	13 W	without battery	standard
672289.00X.1	D 276, H 66	840	740 / 190 lm	13 W	without battery	standard
Replacement glasses						**Price Category 13**
981211.002	D 245, H 33					

CBS

Ceiling and wall luminaires | Cadero Quadra





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

For escape route illumination

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Clear crystal glass diffuser, inside satin finish, retained in cover. Simple mounting spring system for installation without tools. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
672295.00X	L 257, B 257, H 81	830	630 / 160 lm	13 W	without battery	standard
672295.00X.1	L 257, B 257, H 81	840	660 / 160 lm	13 W	without battery	standard
Replacement glasses						**Price Category 13**
981210.002	L 233, B 233, H 35					

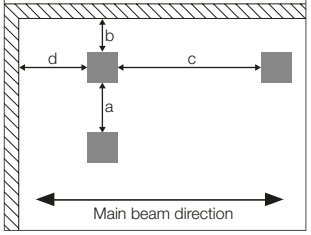
CBS

672289.00X				
Luminous flux emergency: 190 lm Following values are indicated in m				
h	a	b	c	d
2,5	12,6	5,1	12,6	5,1
3,0	13,6	5,5	13,6	5,5
3,5	14,5	5,8	14,5	5,8
4,0	15,3	6,0	15,3	6,0

672295.00X				
Luminous flux emergency: 160 lm Following values are indicated in m				
h	a	b	c	d
2,5	7,9	3,0	7,9	3,0
3,0	8,2	3,0	8,2	3,0
3,5	8,5	2,9	8,5	2,9
4,0	8,6	2,8	8,6	2,8

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8





ALU-DESIGN

Ceiling and wall luminaires, Wall luminaires

- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- Sturdy housing made of corrosion resistant pressure die cast Aluminium, powder coated, with stainless steel screws.
- Seawater resistant coating
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes
- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Second cable inlet for loop through
- Integral membrane valve for pressure compensation and prevention of condensation



Further luminaires of this series, see:
Outdoor lighting | Wall luminaires
Outdoor lighting | Ceiling and wall luminaires

672287.00X.1

Luminous flux emergency: 320 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,7	3,8	9,7	3,8
3,0	10,3	4,0	10,3	4,0
3,5	10,8	4,1	10,8	4,1
4,0	11,2	4,2	11,2	4,2

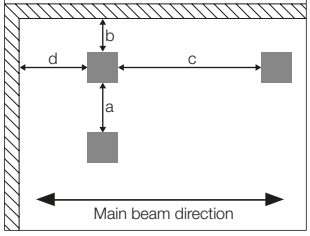
672288.00X.1

Luminous flux emergency: 190 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,2	2,0	5,6	4,2
3,0	6,2	1,8	5,8	4,2
3,5	6,1	1,5	5,9	4,1
4,0	5,7	0,9	5,9	3,9

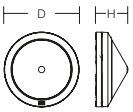
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Alu-Design





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08

For escape route illumination

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Diffuser: opal glass (satin finish) with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

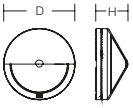
Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
672287.00X	D 268, H 115	830	320 / 320 lm	7,4 W	without battery	standard
672287.00X.1	D 268, H 115	840	320 / 320 lm	7,4 W	without battery	standard
672287.00X.89	D 268, H 115	830	320 / 320 lm	8,4 W	without battery	AC-Control
672287.00X.1.89	D 268, H 115	840	320 / 320 lm	8,4 W	without battery	AC-Control
Theft protection						**Price Category 12**
982410.003	L 13, B 11, H 16					
Replacement glasses						**Price Category 13**
05-3143.002	D 226, H 83					
Replacement seal						**Price Category 12**
982511.002	D 232, H 13					



Wall luminaires | Alu-Design





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08

For escape route illumination

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Opal glass cone diffuser retained in cover ring, screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

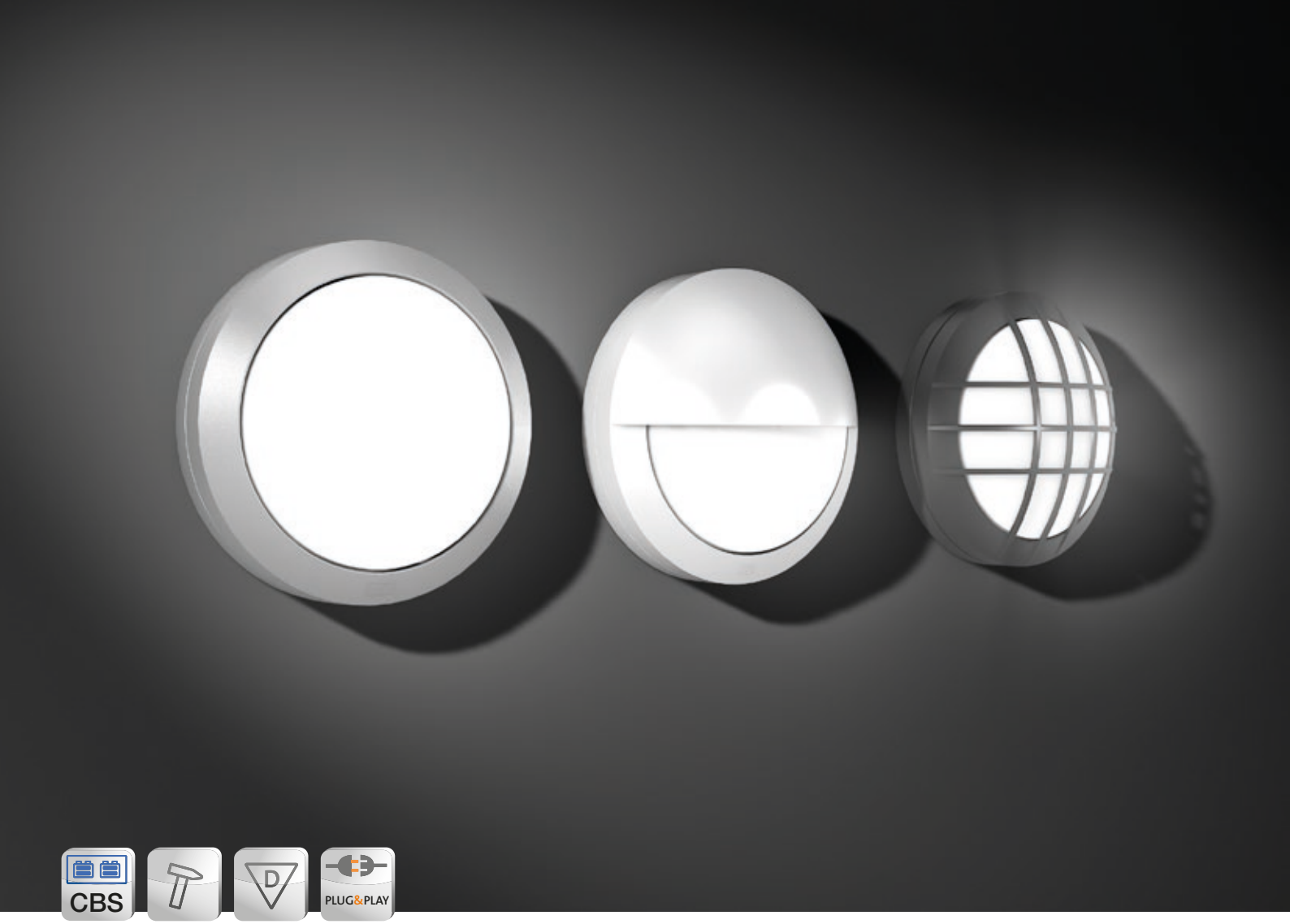
Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
672288.00X	D 268, H 120	830	190 / 190 lm	7,4 W	without battery	standard
672288.00X.1	D 268, H 120	840	190 / 190 lm	7,4 W	without battery	standard
672288.00X.89	D 268, H 120	830	190 / 190 lm	8,4 W	without battery	AC-Control
672288.00X.1.89	D 268, H 120	840	190 / 190 lm	8,4 W	without battery	AC-Control
Theft protection						**Price Category 12**
982410.003	L 13, B 11, H 16					
Replacement glasses						**Price Category 13**
05-3143.002	D 226, H 83					
Replacement seal						**Price Category 12**
982511.002	D 232, H 13					





ROUNDED®

Ceiling and wall luminaires, Wall luminaires

- Elegant appearance without visible screws featuring bayonet lock and safety catch for theft protection (as option)
- Sturdy housing made of corrosion resistant pressure die cast aluminium, powder coated, with stainless steel screws.
- Longevity by use of corrosion-resistant aluminium alloy, glass or PC diffuser
- Seawater resistant coating
- Fixing points outside the gasketed area guarantee a safe mounting quality by consequently preventing mistakes

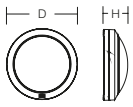
- Quick installation:
  - Drill hole deviations can be compensated
  - Generous space for displacing cables allows the wall outlet even in the luminaire centre
  - Electrical connection via piano key terminal
  - Diffuser retained in cover
- Second cable inlet for loop through



Further luminaires of this series, see:
Outdoor lighting | Ceiling and wall luminaires
Outdoor lighting | Wall luminaires

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Rounded Midi





Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (polycarbonate)

For escape route illumination

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

CBS

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Glass						
672313.00X	D 268, H 91	840	300 / 300 lm	7,4 W	without battery	standard
672313.00X.89	D 268, H 91	840	300 / 300 lm	8,4 W	without battery	AC-Control
Plastic (polycarbonate)						
672284.00X	D 268, H 91	840	530 / 520 lm	7,4 W	without battery	standard
672284.00X.89	D 268, H 91	840	530 / 520 lm	8,4 W	without battery	AC-Control
Theft protection						**Price Category 12**
982410.003	L 13, B 11, H 16					
Replacement glasses						**Price Category 13**
982512.002	D 232, H 61					
Replacement diffusers						**Price Category 13**
982516.002	D 226, H 60					
Replacement seal						**Price Category 12**
982511.002	D 232, H 13					

672313.00X

Luminous flux emergency: 300 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,6	3,8	9,6	3,8
3,0	10,2	4,0	10,2	4,0
3,5	10,7	4,1	10,7	4,1
4,0	11,1	4,2	11,1	4,2

672284.00X

Luminous flux emergency: 520 lm
Following values are indicated in m

h	a	b	c	d
2,5	11,4	4,6	11,4	4,6
3,0	12,2	4,8	12,2	4,8
3,5	12,9	5,1	12,9	5,1
4,0	13,5	5,3	13,5	5,3

672314.00X

Luminous flux emergency: 290 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,4	3,7	9,4	3,7
3,0	10,0	3,9	10,0	3,9
3,5	10,5	4,0	10,5	4,0
4,0	10,9	4,1	10,9	4,1

672285.00X

Luminous flux emergency: 470 lm
Following values are indicated in m

h	a	b	c	d
2,5	10,9	4,4	10,9	4,4
3,0	11,7	4,6	11,7	4,6
3,5	12,4	4,8	12,4	4,8
4,0	13,0	5,0	13,0	5,0

672315.00X

Luminous flux emergency: 180 lm
Following values are indicated in m

h	a	b	c	d
2,5	5,5	1,8	5,3	4,1
3,0	5,4	1,5	5,4	4,1
3,5	5,1	0,9	5,4	3,9
4,0	4,5	0,0	1,1	0,0

672301.00X

Luminous flux emergency: 330 lm
Following values are indicated in m

h	a	b	c	d
2,5	6,9	2,5	6,7	5,4
3,0	7,0	2,4	7,0	5,5
3,5	7,0	2,2	7,2	5,6
4,0	6,8	1,8	7,2	5,5

672297.00X

Luminous flux emergency: 280 lm
Following values are indicated in m

h	a	b	c	d
2,5	14,0	5,7	14,0	5,7
3,0	15,1	6,1	15,1	6,1
3,5	16,1	6,5	16,1	6,5
4,0	17,0	6,8	17,0	6,8

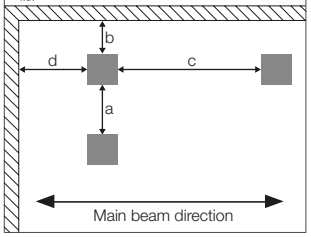
672298.00X

Luminous flux emergency: 230 lm
Following values are indicated in m

h	a	b	c	d
2,5	13,0	5,3	13,0	5,3
3,0	14,0	5,6	14,0	5,6
3,5	14,9	6,0	14,9	6,0
4,0	15,7	6,3	15,7	6,3

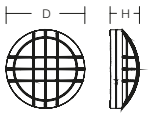
Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8





Ceiling and wall luminaires | Rounded Midi



Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (polycarbonate)

For escape route illumination

Base, housing and guard made of corrosion resistant pressure die-cast aluminium (powder-coated). Diffuser: crystal glass (satin finish) or opal plastic (polycarbonate); with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

Voltage type: AC/DC

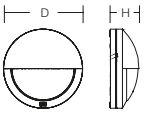
Ballast: EB

CBS

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Glass						
672314.00X	D 268, H 100	840	290 / 290 lm	7,4 W	without battery	standard
672314.00X.89	D 268, H 100	840	290 / 290 lm	8,4 W	without battery	AC-Control
Plastic (polycarbonate)						
672285.00X	D 268, H 100	840	470 / 470 lm	7,4 W	without battery	standard
672285.00X.89	D 268, H 100	840	470 / 470 lm	8,4 W	without battery	AC-Control
Theft protection						**Price Category 12**
982410.003	L 13, B 11, H 16					
Replacement glasses						**Price Category 13**
982512.002	D 232, H 61					
Replacement diffusers						**Price Category 13**
982516.002	D 226, H 60					
Replacement seal						**Price Category 12**
982511.002	D 232, H 13					



Wall luminaires | Rounded Midi



Type of Protection: **IP 66**
Protection Class: I
Impact Protection: IK08 (Glass), IK10 (Polycarbonate)

For escape route illumination

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Visor with opal glass or plastic (polycarbonate) spherical cap diffuser retained in cover ring, screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

Voltage type: AC/DC

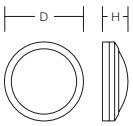
Ballast: EB

CBS

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Glass						
672315.00X	D 268, H 100	840	180 / 180 lm	7,4 W	without battery	standard
672315.00X.89	D 268, H 100	840	180 / 180 lm	8,4 W	without battery	AC-Control
Plastic (polycarbonate)						
672301.00X	D 268, H 96	840	330 / 330 lm	7,4 W	without battery	standard
672301.00X.89	D 268, H 96	840	330 / 330 lm	8,4 W	without battery	AC-Control
Theft protection						**Price Category 12**
982410.003	L 13, B 11, H 16					
Replacement glasses						**Price Category 13**
05-581023.002	D 226, H 60					
Replacement diffusers						**Price Category 13**
08-581019.012	D 226, H 60	Plastic (polycarbonate)				

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Rounded Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

For escape route illumination

Base and housing made of corrosion resistant pressure die-cast aluminium (powder-coated). Diffuser: crystal glass (satin finish) with diffuser fixing. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

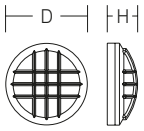
Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
672297.00X	D 400, H 121	830	1050 / 270 lm	22 W	without battery	standard
672297.00X.1	D 400, H 121	840	1050 / 280 lm	22 W	without battery	standard
672297.00X.89	D 400, H 121	830	1050 / 270 lm	23 W	without battery	AC-Control
672297.00X.1.89	D 400, H 121	840	1050 / 280 lm	23 W	without battery	AC-Control
Theft protection						**Price Category 12**
982410.003	L 13, B 11, H 16					
Replacement glasses						**Price Category 13**
981212.002	D 356, H 66					

CBS

Ceiling and wall luminaires | Rounded Maxi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

For escape route illumination

Base, housing and guard made of corrosion resistant pressure die-cast aluminium (powder-coated). Diffuser: crystal glass (satin finish) with diffuser fixing. Screwless cover fixing via bayonet lock with safety catch. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to prevent condensed water. With mains voltage LED module.

Available colours (X): 2 = white, 31 = anthracite metallic, 4 = silver metallic

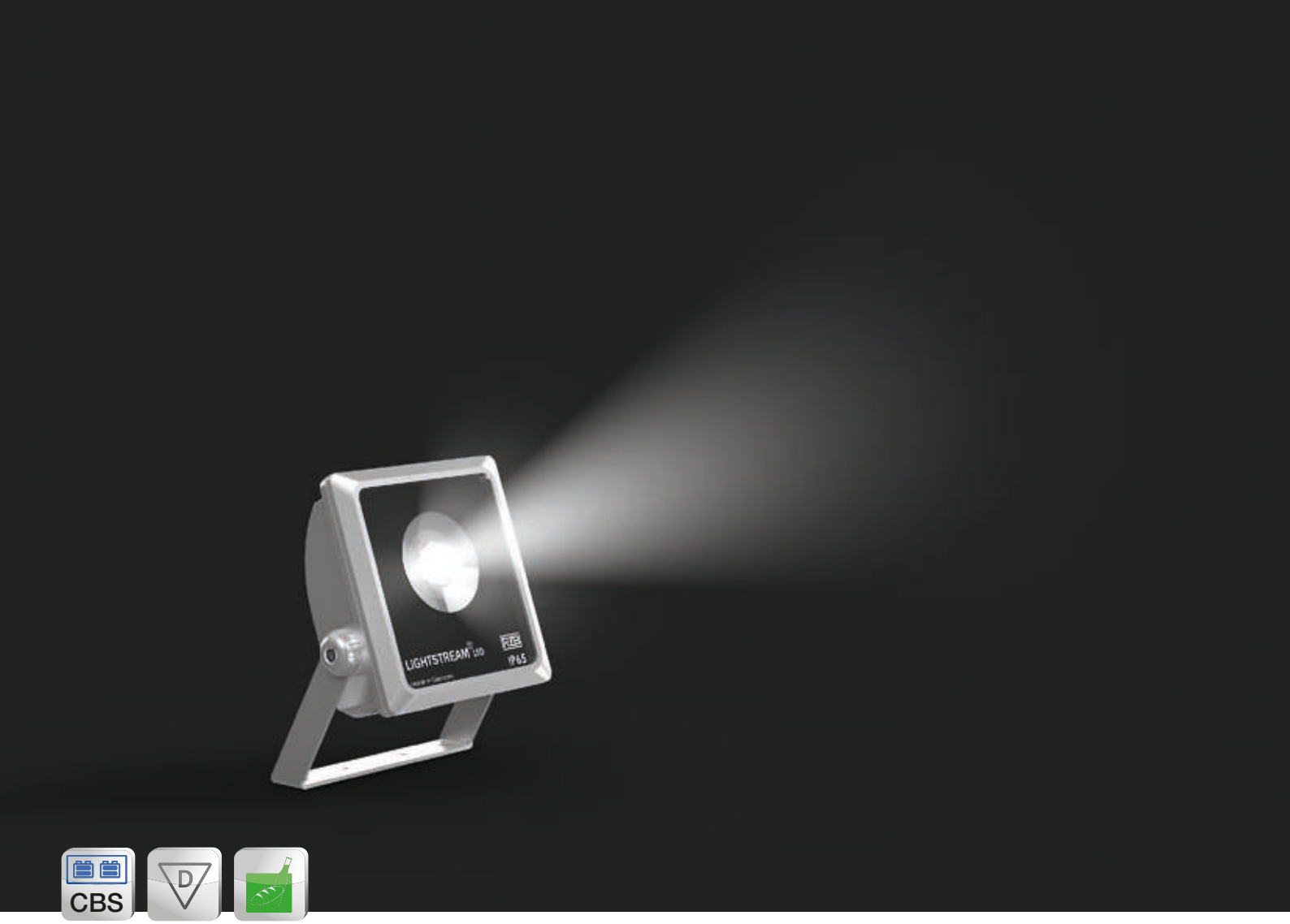
Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
672298.00X	D 400, H 127	830	850 / 220 lm	22 W	without battery	standard
672298.00X.1	D 400, H 127	840	890 / 230 lm	22 W	without battery	standard
672298.00X.89	D 400, H 127	830	850 / 220 lm	23 W	without battery	AC-Control
672298.00X.1.89	D 400, H 127	840	890 / 230 lm	23 W	without battery	AC-Control
Theft protection						**Price Category 12**
982410.003	L 13, B 11, H 16					
Replacement glasses						**Price Category 13**
981212.002	D 356, H 66					

CBS



LIGHTSTREAM® LED

Spotlights

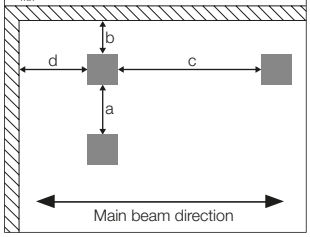
- Made in Germany
- Seawater resistant coating
- Second cable inlet for loop through
- Reduced power consumption maintaining the same luminaire flux for energy savings at switchable version
- COB-LEDs with socket for change on site, selection of two light colours 830 or 840
- LED rated life 50,000 h (L80, B10)
- Mounting accessories available for pole and wall mounting
- Suitable for use in the food and drink industry



Further luminaires of this series, see:
Outdoor lighting | Projectors and floodlights

Planning guide: Escape route illumination in accord. with EN 1838

E_{min} = 1 lx centre line, maintenance factor: 0,8



672316.11X.1

Luminous flux emergency: 1100 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,2	4,3	9,2	4,3
3,0	10,8	5,1	10,8	5,1
3,5	12,3	5,7	12,3	5,7
4,0	13,7	6,3	13,7	6,3

672088.11X.1

Luminous flux emergency: 2300 lm
Following values are indicated in m

h	a	b	c	d
2,5	9,3	4,5	9,3	4,5
3,0	11,0	5,3	11,0	5,3
3,5	12,7	6,0	12,7	6,0
4,0	14,3	6,8	14,3	6,8

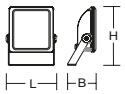
672089.11X.1

Luminous flux emergency: 4300 lm
Following values are indicated in m

h	a	b	c	d
2,5	11,3	5,3	11,3	5,3
3,0	13,2	6,2	13,2	6,2
3,5	15,0	7,1	15,0	7,1
4,0	16,8	7,9	16,8	7,9

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Spotlights | Lightstream LED Mini





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

For escape route illumination

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Ceramic coated toughened glass. COB LED with socket for easy replacement. Reflector made of high purity aluminium, glossy brightened and anodised. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Piano-key terminal 2.5 mm², for cable max. Ø 13 mm. Second cable gland for loop through available as accessory.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

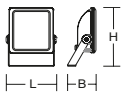
Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Flood, Rotationally symmetric wide beam light distribution						
672316.11X	L 194, B 109, H 226	830	1050 / 1050 lm	10 W	without battery	standard
672316.11X.1	L 194, B 109, H 226	840	1100 / 1100 lm	10 W	without battery	standard
672088.11X	L 194, B 109, H 226	830	2200 / 2200 lm	23 W	without battery	standard
672088.11X.1	L 194, B 109, H 226	840	2300 / 2300 lm	23 W	without battery	standard

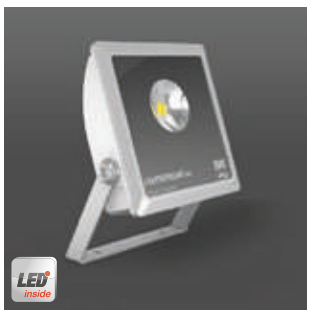
CBS

Installation accessories			Price Category 11
982367.009	Cable gland M16x1,5		

Spare glass		Price Category 12
981933.00X	L 175, B 170, H 13	

Spotlights | Lightstream LED Midi





Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK07

For escape route illumination

Housing made of corrosion-resistant pressure die-cast aluminium, for outdoor application, bracket: aluminium, powder-coated. Ceramic coated toughened glass. COB LED with socket for easy replacement. Reflector made of high purity aluminium, glossy brightened and anodised. Standard Gore™ Protective Vents diaphragm valve to prevent condensed water. Piano-key terminal 2.5 mm², for cable max. Ø 13 mm. Second cable gland for loop through available as accessory.

Available colours (X): 31 = anthracite metallic, 4 = silver metallic

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						**Price Category 24**
Flood, Rotationally symmetric wide beam light distribution						
672089.11X	L 267, B 142, H 336	830	4200 / 4200 lm	37 W	without battery	standard
672089.11X.1	L 267, B 142, H 336	840	4300 / 4300 lm	37 W	without battery	standard

CBS

Installation accessories		Price Category 12
982060.004	Cable gland M20x1,5 SW 24	

Spare glass		Price Category 12
981934.00X	L 255, B 240, H 13	



SCL

PORTABLE SAFETY SPOTLIGHT

Safety spotlights

- Robust rechargeable hand-held floodlight with emergency light function
- Long-life OGIV lead-acid battery
- LED status display for charging status
- Including 12 volt car charging adapter
- Includes charging station for standalone or wall mounting
- Top quality LED technology

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Safety spotlights | Portable safety spotlight



Type of Protection: **IP 43**
Protection Class: II in charging mode, III in battery mode

Splash-proof housing, plastic (polycarbonate), shockproof. Adjustable luminaire top. Diffused light adapter disc in orange. Charging station for standalone or wall mounting. Power supply unit and 12 V car adapter included. Lighting mode adjustable, luminosity 30%, 70%,100%, flashing light. With charge status indicator.

Available colour: 3 = black

SCL

Reference number	Dimensions	System power	Battery	
Self-contained safety luminaires				**Price Category 23**
672317.003 .Q	L 150, B 125, H 290	2 W	Pb	3 h



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ATMOSPHERE IN THE HOME

Home is where it's best – particularly when the house and garden are atmospherically illuminated. With its HOME series, RZB has created the ideal range to meet a wide variety of needs in and around the house in a design-oriented manner.

The RZB HOME series contains a host of hugely different indoor and outdoor luminaires. Virtually unbeatable value for money makes the energy-efficient, low-maintenance luminaires attractive for both private and public residential use. The diversity within the RZB Home series offers huge scope for all sorts of design concepts and creative ideas.

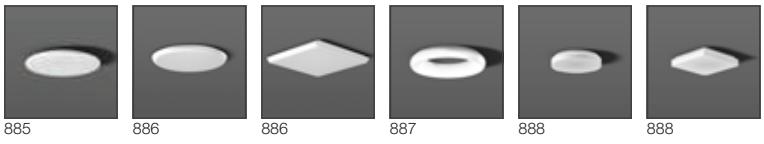
All products in the HOME family are subjected to demanding RZB quality inspections and so, without exception, meet the high standards of the Bamberg luminaire manufacturer.





The application image shows:
Home 504

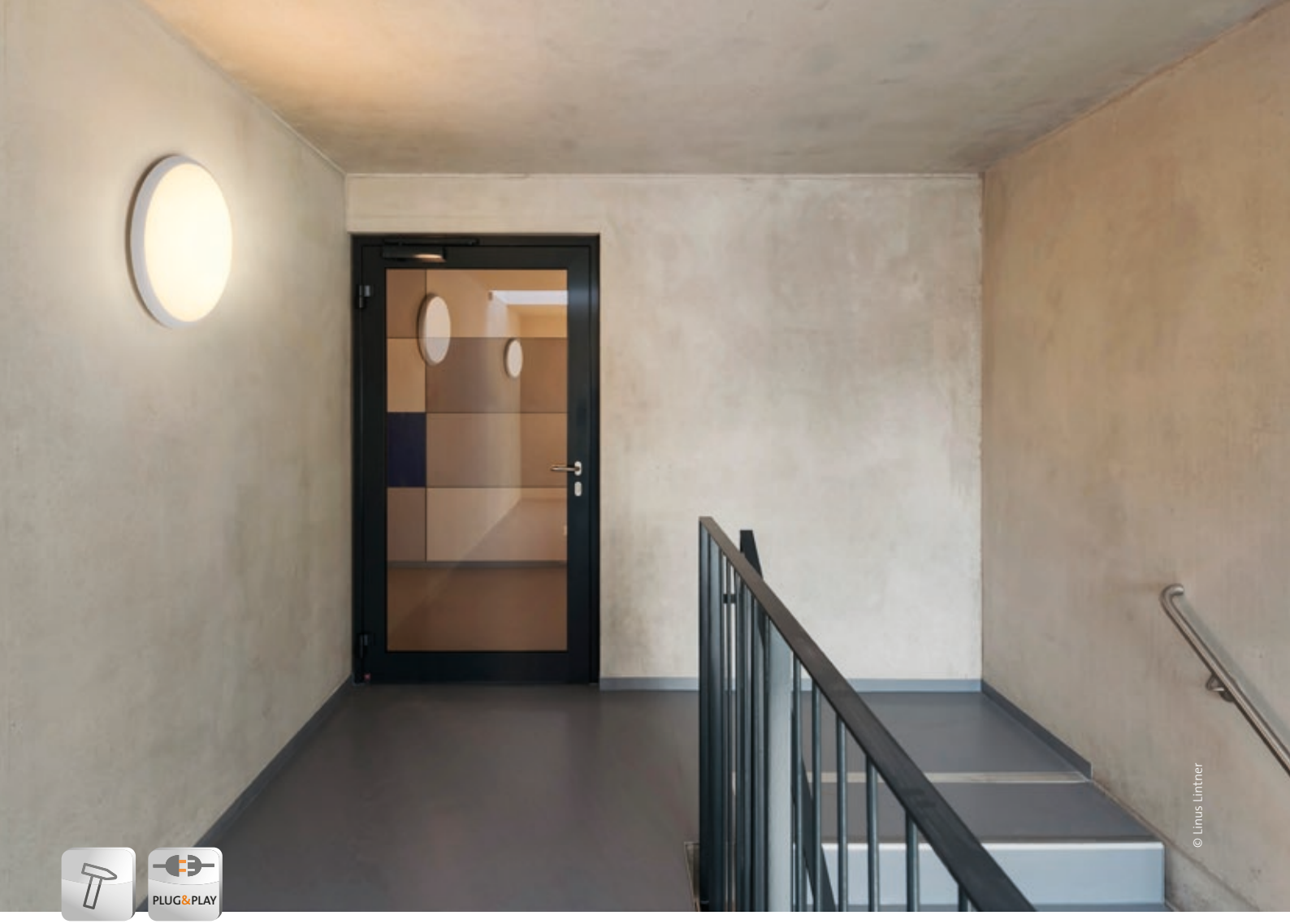
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885 886 886 887 888 888


891

Ceiling and wall luminaires
884-889

Lay-in luminaires
890-891



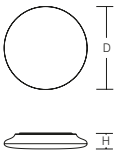
RZB HOME

Ceiling and wall luminaires

- Convincing combination of design and value for money
- Easy installation with Plug & Play plug connection
- Low installation height
- Homogeneous visual appearance
- For private and public use
- LED rated life 35,000 h (L70)

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Ceiling and wall luminaires | Home 501





Type of Protection: **IP 40**
Protection Class: I
Impact Protection: IK06

Quick mounting adapter galvanized steel sheet, with bayonet fastening. Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal. Base and diffuser are sealed together. Integral driver.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diameter D 250 mm							
221174.002 .Q	D 250, H 48	LED	830	1150 lm	12 W	on/off	A+
221174.002.1 .Q	D 250, H 48	LED	840	1200 lm	12 W	on/off	A+
Diameter D 300 mm							
221175.002 .Q	D 300, H 48	LED	830	1650 lm	18 W	on/off	A+
221175.002.1 .Q	D 300, H 48	LED	840	1700 lm	18 W	on/off	A+
Diameter D 400 mm							
221176.002 .Q	D 400, H 63	LED	830	2250 lm	25 W	on/off	A+
221176.002.1 .Q	D 400, H 63	LED	840	2300 lm	25 W	on/off	A+

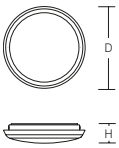


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The application image shows:
Home 501



Ceiling and wall luminaires | Home 502



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

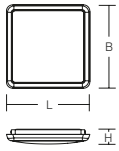
Quick mounting adapter galvanized steel sheet, with fastening screws. Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal. Base and diffuser are sealed together. Integral driver.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diameter D 200 mm							
221177.002 .Q	D 200, H 48	LED	830	1000 lm	12 W	on/off	A+
221177.002.1 .Q	D 200, H 48	LED	840	1100 lm	12 W	on/off	A+
Diameter D 300 mm							
221178.002 .Q	D 300, H 40	LED	830	2000 lm	25 W	on/off	A+
221178.002.1 .Q	D 300, H 40	LED	840	2150 lm	25 W	on/off	A+
Diameter D 400 mm							
221179.002 .Q	D 400, H 52	LED	830	2400 lm	30 W	on/off	A+
221179.002.1 .Q	D 400, H 52	LED	840	2500 lm	30 W	on/off	A+



Ceiling and wall luminaires | Home 503



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

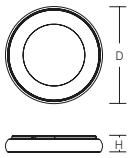
Quick mounting adapter galvanized steel sheet, with fastening screws. Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal. Base and diffuser are sealed together. Integral driver.

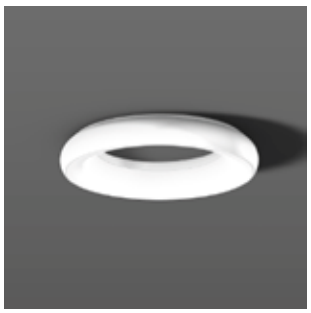
Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Length L 250 mm x Width B 250 mm							
221180.002 .Q	L 250, B 250, H 52	LED	830	1000 lm	12 W	on/off	A+
221180.002.1 .Q	L 250, B 250, H 52	LED	840	1150 lm	12 W	on/off	A+
Length L 300 mm x Width B 300 mm							
221181.002 .Q	L 300, B 300, H 40	LED	830	2000 lm	25 W	on/off	A+
221181.002.1 .Q	L 300, B 300, H 40	LED	840	2150 lm	25 W	on/off	A+
Length L 400 mm x Width B 400 mm							
221182.002 .Q	L 400, B 400, H 51	LED	830	2400 lm	30 W	on/off	A+
221182.002.1 .Q	L 400, B 400, H 51	LED	840	2450 lm	30 W	on/off	A+

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Ceiling and wall luminaires | Home 504





Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

Quick mounting adapter galvanized steel sheet, with bayonet fastening. Housing: aluminium. Diffuser: plastic (polycarbonate), opal. Base and diffuser are sealed together. Integral driver.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Ceiling and wall luminaires							**Price Category 11**
Diameter D 298 mm							
221183.002 .Q	D 298, H 51	LED	830	1850 lm	25 W	on/off	A+
221183.002.1 .Q	D 298, H 51	LED	840	2000 lm	25 W	on/off	A+
Diameter D 400 mm							
221192.002 .Q	D 400, H 67	LED	830	2600 lm	35 W	on/off	A+
221192.002.1 .Q	D 400, H 67	LED	840	2800 lm	35 W	on/off	A+

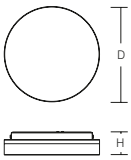


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The application image shows:
Home 504



Ceiling and wall luminaires | Home 505



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

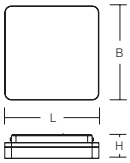
Quick mounting adapter galvanized steel sheet, with fastening screws. Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal. Base and diffuser are sealed together. Integral driver.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Ceiling and wall luminaires							**Price Category 11**
Diameter D 220 mm							
221186.002 .Q	D 220, H 53	LED	830	1300 lm	15 W	on/off	A+
221186.002.1 .Q	D 220, H 53	LED	840	1450 lm	15 W	on/off	A+
Diameter D 268 mm							
221187.002 .Q	D 268, H 53	LED	830	1650 lm	18 W	on/off	A+
221187.002.1 .Q	D 268, H 53	LED	840	1800 lm	18 W	on/off	A+



Ceiling and wall luminaires | Home 506



Type of Protection: IP 20
Protection Class: I
Impact Protection: IK06

Quick mounting adapter galvanized steel sheet, with fastening screws. Housing: plastic (polycarbonate). Diffuser: plastic (polycarbonate), opal. Base and diffuser are sealed together. Integral driver.

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmable	EEC
Ceiling and wall luminaires							**Price Category 11**
Length L 210 mm x Width B 210 mm							
221188.002 .Q	L 210, B 210, H 53	LED	830	1300 lm	15 W	on/off	A+
221188.002.1 .Q	L 210, B 210, H 53	LED	840	1450 lm	15 W	on/off	A+
Length L 260 mm x Width B 260 mm							
221189.002 .Q	L 260, B 260, H 53	LED	830	1600 lm	18 W	on/off	A+
221189.002.1	L 260, B 260, H 53	LED	840	1800 lm	18 W	on/off	A+

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



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The application image shows:
Home 506



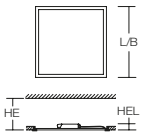
HB 601

Lay-in luminaires

- Highly economical luminaire series with progressive LED technology
- Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- Lightguide made of non-yellowing PMMA
- RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution
- LED rated life 50,000 h (L70)
- External converter with simple plug-in locking system

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Lay-in luminaires | HB 601





Type of Protection: IP 20
Protection Class: II
Impact Protection: IK03

Frame: aluminium, powder-coated. Plastic micro-prismatic diffuser (screen-compliant in accordance with EN12464-1). Lightguide made of non-yellowing PMMA.
Lateral light emission thanks to LED. External driver (Height 30 mm).

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dimm-able	EEC
Lay-in luminaires for grid ceilings								**Price Category 21**
Module 600								
312381.002.1	L 597, B 597, HE 160, HEL 38	LED	840	3450 lm	33 W	17,2	on/off	A+
312381.002.1.76	L 597, B 597, HE 160, HEL 39	LED	840	3450 lm	33 W	17,2	DALI	A+
Module 625								
312382.002.1	L 622, B 622, HE 160, HEL 38	LED	840	3450 lm	33 W	17,2	on/off	A+
312382.002.1.76	L 622, B 622, HE 160, HEL 39	LED	840	3450 lm	33 W	17,2	DALI	A+



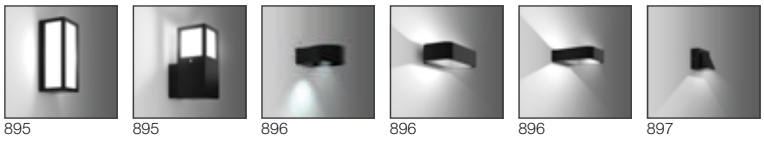
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The application image shows:
HB 601



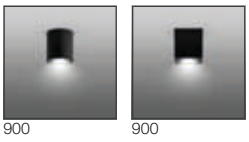
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Home

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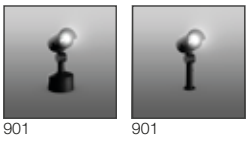

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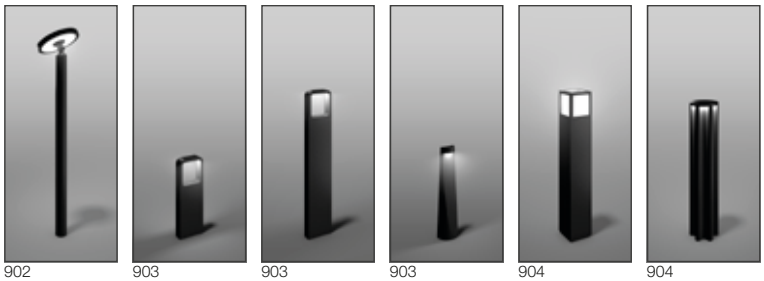
Wall luminaires
894-899


900 900

Surface mounted downlights
900


901 901

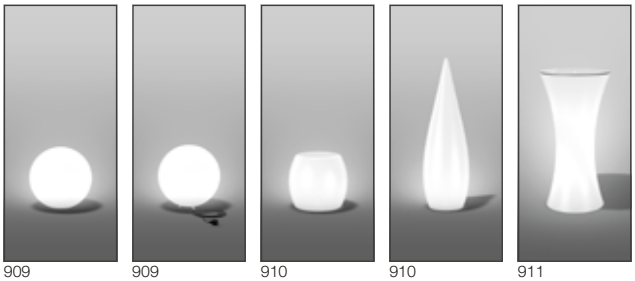
Garden spotlights
901


902 903 903 903 904 904

Bollards
902-905


907

Solar luminaires
906-907


909 909 910 910 911

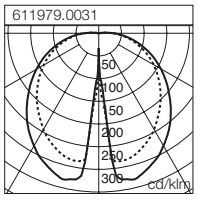
Garden luminaires
908-911

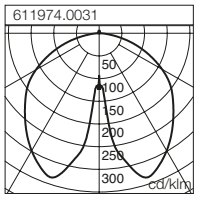


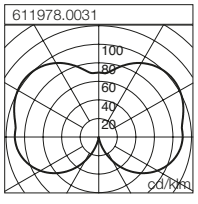
HOME

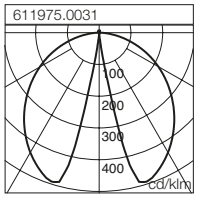
Wall luminaires, Surface mounted downlights, Spotlights, Garden spotlights, Bollards

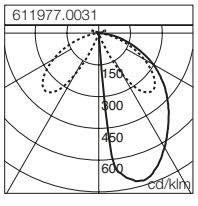
- Housing made of pressure die-cast aluminium, powder coated
- Architectural design
- Diffuser out of impact resistant plastic (polycarbonate) or glass
- High ingress protection rating: IP54 or IP65
- Equipped with LEDs or COB-LEDs of recognised brands
- Good diffusers' self-cleaning by rain
- LED rated life 25,000 h (L70)

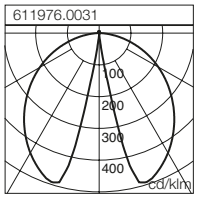




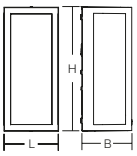








Wall luminaires | Home 101





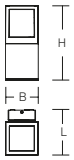
Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
With mains voltage LED module.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
611980.0031 .Q	L 110, B 103, H 250	LED [1]	830	690 lm	19 W	on/off	A+

Wall luminaires | Home 114





Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

Housing: pressure die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
With mains voltage LED module.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
612144.0031 .Q	L 148, B 108, H 245	LED [1]	830	480 lm	15 W	on/off	A+

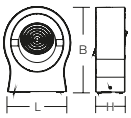


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The application image shows:
Home 114



Wall luminaires | Home 102



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

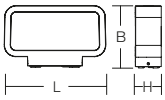
Housing: pressure die-cast aluminium, powder-coated. Swivel spot. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Single-side light output							
611981.0031 .Q	L 110, B 161, H 55	LED	830	270 lm	6 W	on/off	A+



Wall luminaires | Home 103



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

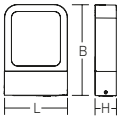
Housing: pressure die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Double-side light output							
611982.0031 .Q	L 220, B 130, H 55	LED	830	300 lm	9 W	on/off	A+



Wall luminaires | Home 104



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

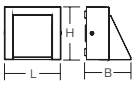
Housing: pressure die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Double-side light output							
611983.0031 .Q	L 120, B 175, H 40	LED	830	290 lm	9 W	on/off	A+

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [1] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Wall luminaires | Home 105





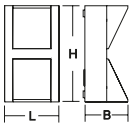
Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Single-side light output							
611984.0031 .Q	L 80, B 66, H 75	LED	830	110 lm	4 W	on/off	A+

Wall luminaires | Home 106





Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Double-side light output							
611985.0031 .Q	L 80, B 66, H 141	LED	830	220 lm	6 W	on/off	A+

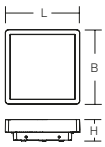


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The application image shows:
Home 106



Wall luminaires | Home 107



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

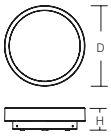
Housing: pressure die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
With mains voltage LED module.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
612140.0031 .Q	L 236, B 236, H 68	LED [1]	830	860 lm	18 W	on/off	A+



Wall luminaires | Home 108



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

Housing: pressure die-cast aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.
With mains voltage LED module.

Available colour: 31 = anthracite metallic

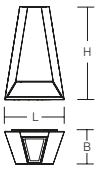
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
612141.0031 .Q	D 250, H 68	LED [1]	830	950 lm	18 W	on/off	A+

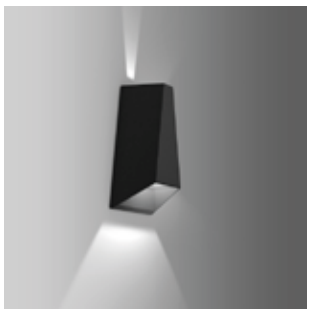


The application image shows:
Home 107

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Wall luminaires | Home 112





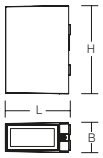
Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

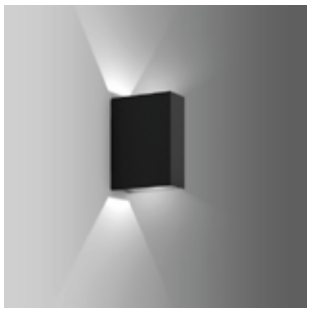
Housing: pressure die-cast aluminium, powder-coated. Clear glass cover. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Double-side light output, Spot/Flood							
612142.0031 .Q	L 109, B 63, H 173	LED	830	130 lm	11 W	on/off	A+

Wall luminaires | Home 113





Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK03

Housing: pressure die-cast aluminium, powder-coated. Clear glass cover. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Wall luminaires							**Price Category 12**
Double-side light output							
612143.0031 .Q	L 90, B 43, H 125	LED	830	280 lm	7 W	on/off	A+

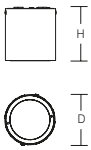


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The application image shows:
Home 113



Surface mounted downlights | Home 110



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

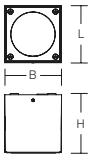
Housing: pressure die-cast aluminium, powder-coated. Clear glass cover.
With mains voltage LED module.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Surface mounted downlights							**Price Category 12**
931186.0031 .Q	D 90, H 95	LED (1)	830	570 lm	10 W	on/off	A+



Surface mounted downlights | Home 111



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Clear glass cover.
With mains voltage LED module.

Available colour: 31 = anthracite metallic

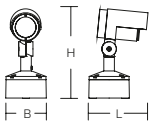
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Surface mounted downlights							**Price Category 12**
931187.0031 .Q	L 90, B 90, H 94	LED (1)	830	590 lm	10 W	on/off	A+



The application image shows:
Home 110

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Spotlights | Home 109





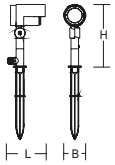
Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK06

Housing pressure die-cast aluminium, powder-coated Clear glass cover.
With mains voltage LED module.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Floodlight							**Price Category 12**
Adjustable spotlight							
721992.0031 .Q	L 136, B 99, H 220	LED [1]	830	680 lm	10 W	on/off	A+

Garden spotlights | Home 207



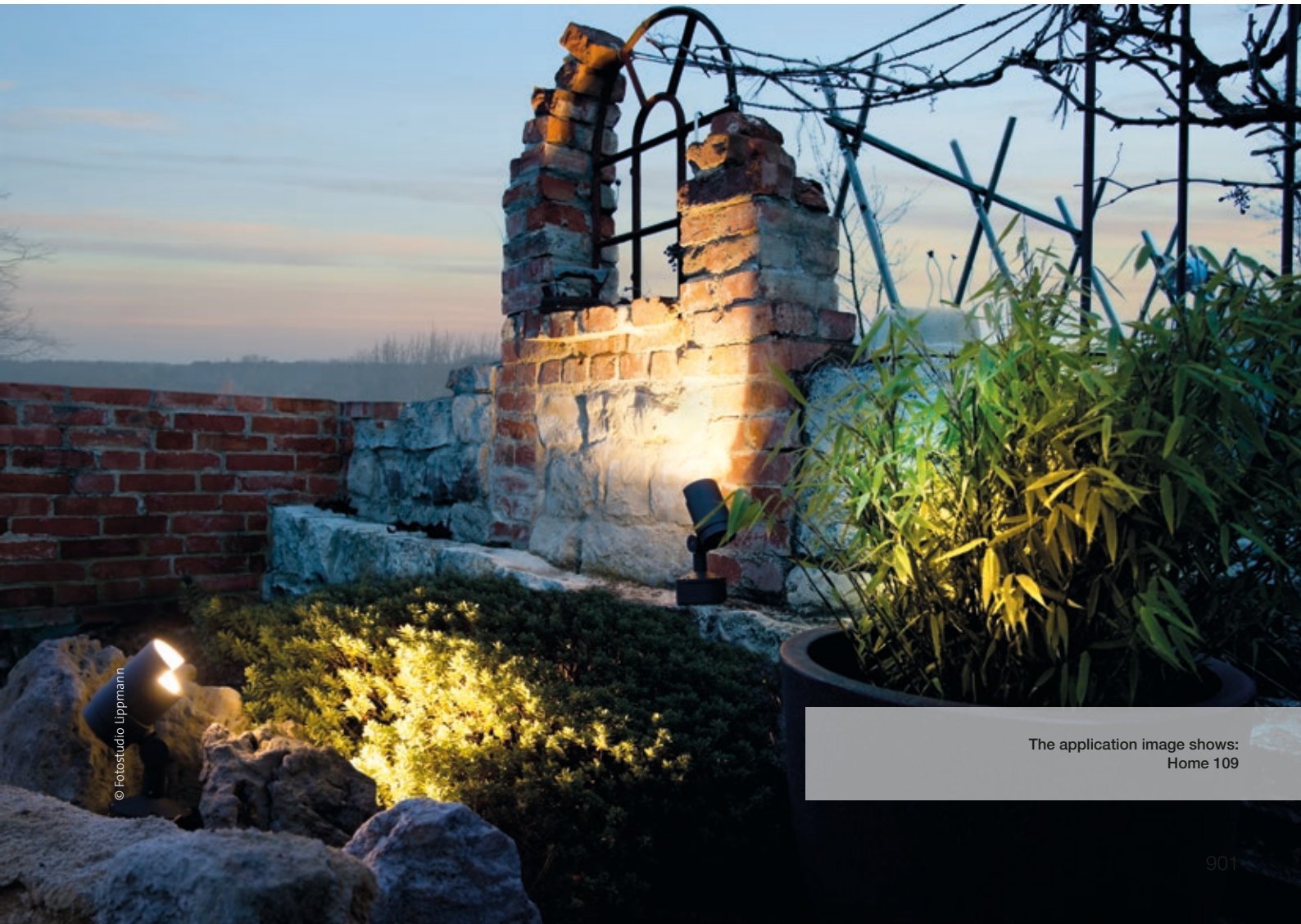


Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK06

Housing: pressure die-cast aluminium, powder-coated. Clear glass cover.
With mains voltage LED module. With integral peg and 5 m power cord including Schuko-plug.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Garden spotlight with earth spike							**Price Category 12**
Adjustable spotlight							
721993.0031 .Q	L 136, B 90, H 210	LED [1]	830	680 lm	10 W	on/off	A+

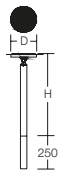


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The application image shows:
Home 109



Bollards | Home 201



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

Bollard luminaire with solid anchorage unit. Housing: pressure die-cast aluminium, powder-coated. Luminaire top can be swivelled. Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic

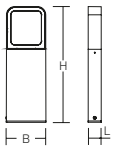
Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards and garden luminaires							**Price Category 12**
611974.0031 .Q	D 200, L 1150, H 900	LED	830	770 lm	18 W	on/off	A+



The application image shows:
Home 201

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Bollards | Home 202



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

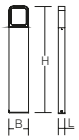
Bollard for socket mounting. Housing: pressure die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards and garden luminaires							**Price Category 12**
611975.0031 .Q	L 40, B 120, H 350	LED	830	290 lm	9 W	on/off	A+

Bollards | Home 203



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

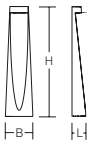
Bollard for socket mounting. Housing: pressure die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards and garden luminaires							**Price Category 12**
611976.0031 .Q	L 40, B 120, H 650	LED	830	290 lm	9 W	on/off	A+

Bollards | Home 204



Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK06

Bollard for socket mounting. Housing: pressure die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards and garden luminaires							**Price Category 12**
611977.0031 .Q	L 50, B 100, H 400	LED	830	340 lm	9 W	on/off	A+



Bollards | Home 205



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

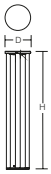
Bollard for socket mounting. Housing: pressure die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards and garden luminaires							**Price Category 12**
611978.0031 .Q	L 108, B 108, H 650	LED	830	390 lm	12 W	on/off	A+



Bollards | Home 206



Type of Protection: **IP 54**
Protection Class: I
Impact Protection: IK06

Bollard for socket mounting. Housing: pressure die-cast aluminium, powder-coated.
Diffuser: plastic (polycarbonate), opal. Integral driver.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimm-able	EEC
Bollards and garden luminaires							**Price Category 12**
611979.0031 .Q	D 130, H 600	LED	830	240 lm	11 W	on/off	A+

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values



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The application image shows:
Home 206



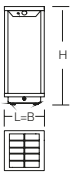
HOME

Solar luminaires

- Decorative garden luminaire in square cross section
- The symmetrical light distribution creates a harmonious lighting image
- The light source is not directly visible, so creates a pleasant glare-free lighting
- Thanks to integrated solar panel, no connecting cable required (battery operation)
- Movement detector with 120° detection area, integrated dusk switch
- Three sizes

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Solar luminaires | Home 401





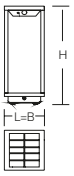
Type of Protection: **IP 54**
Protection Class: III

Housing: pressure die-cast aluminium, powder-coated. With light emission diffuser plastic (polycarbonate) clear. With integrated movement sensor (PIR) and daylight sensor. Solar module for LED with lithium battery. Charging time: at least 6-8 hours at daylight (depending on the place of installation, solar radiation and season). Operating time: 2,5 - 3 hours max. (100 % light output), 20 - 25 hours max. (10 % light output from dusk to dawn), 12 - 15 hours max. (changing light output, light output rises up to 100 % for a duration of 45 seconds when a motion is detected, afterwards it drops down to 10 %). With plastic ground spike.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	dimmable
Solar luminaires					**Price Category 12**
2 W solar module for LED with lithium battery 3.7V / 2.2Ah					
612154.0031.19	L 140, B 140, H 340	LED	830	50 lm	on/off

Solar luminaires | Home 402





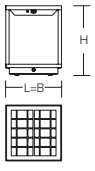
Type of Protection: **IP 54**
Protection Class: III

Housing: pressure die-cast aluminium, powder-coated. With light emission diffuser plastic (polycarbonate) clear. With integrated movement sensor (PIR) and daylight sensor. Solar module for LED with lithium battery. Charging time: at least 6-8 hours at daylight (depending on the place of installation, solar radiation and season). Operating time: 2,5 - 3 hours max. (100 % light output), 20 - 25 hours max. (10 % light output from dusk to dawn), 12 - 15 hours max. (changing light output, light output rises up to 100 % for a duration of 45 seconds when a motion is detected, afterwards it drops down to 10 %). With plastic ground spike.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	dimmable
Solar luminaires					**Price Category 12**
2 W solar module for LED with lithium battery 3.7V / 2.2Ah					
612155.0031.19	L 140, B 140, H 500	LED	830	120 lm	on/off

Solar luminaires | Home 403





Type of Protection: **IP 54**
Protection Class: III

Housing: pressure die-cast aluminium, powder-coated. With light emission diffuser plastic (polycarbonate) clear. With integrated movement sensor (PIR) and daylight sensor. Solar module for LED with lithium battery. Charging time: at least 6-8 hours at daylight (depending on the place of installation, solar radiation and season). Operating time: 2,5 - 3 hours max. (100 % light output), 20 - 25 hours max. (10 % light output from dusk to dawn), 12 - 15 hours max. (changing light output, light output rises up to 100 % for a duration of 45 seconds when a motion is detected, afterwards it drops down to 10 %). With plastic ground spike.

Available colour: 31 = anthracite metallic

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	dimmable
Solar luminaires					**Price Category 12**
5 W solar module for LED with lithium battery 3.7V / 4.4Ah					
612156.0031.19	L 200, B 200, H 245	LED	830	250 lm	on/off



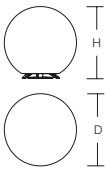
HOME

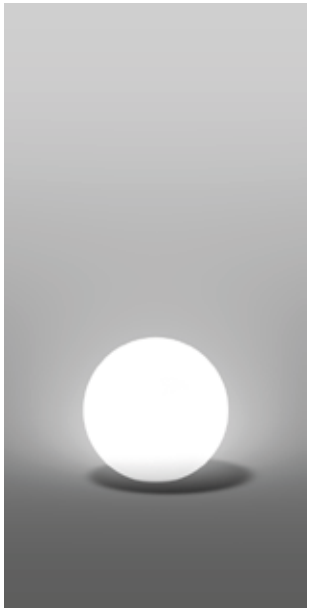
Garden luminaires

- Durable plastic base featuring stable opal plastic diffuser (PE), silk finish
- Good diffusers' self-cleaning by rain
- Good stability due to low balance point
- Choice of various shapes and dimensions

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com.

Garden luminaires | Home 301, Home 302, Home 303, Home 304





Type of Protection: **IP 68**
Protection Class: III (II while charging)

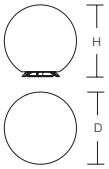
Plastic base with opal plastic (polyethylene) diffuser sphere, satin finish. LED with colour change sequencer for battery operation - tuneable coloured light RGB or white. Full charge service life 8 to 12 hours (continuous operation). Light control via IR remote control. External charger for 100 - 240 V / 50 - 60 Hz with an inductive cradle included.

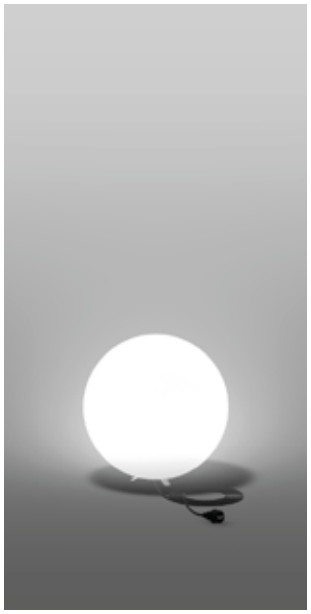
Charge in dry rooms only!

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	System power	dimm-able	
Decorative garden luminaires						**Price Category 12**
612106.002	D 200, H 200	LED	RGBW	9 W	IR	
612107.002	D 300, H 300	LED	RGBW	9 W	IR	
612108.002	D 400, H 400	LED	RGBW	9 W	IR	
612109.002	D 500, H 500	LED	RGBW	9 W	IR	

Garden luminaires | Home 309, Home 310, Home 311





Type of Protection: **IP 54**
Protection Class: II

Plastic base with opal plastic (polyethylene) diffuser sphere, satin finish. Fixture with pedestals and seperate adapter for fixed and ground-spike mounting. With power cable including Schuko-plug IP44.

RGB lamp and accessory for ground installation must be ordered separately!

Available colour: 2 = white

Reference number	Dimensions	Lamp	dimm-able	EEC
Decorative garden luminaires				**Price Category 12**
612157.002	D 300, H 300	1 x E27® 60 W	on/off	A++ - E
612158.002	D 400, H 400	1 x E27® 60 W	on/off	A++ - E
612159.002	D 500, H 500	1 x E27® 60 W	on/off	A++ - E

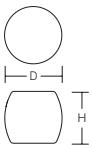


Accessory RGB lamp with remote control			**Price Category 12**
982510.000	D 60, L 113	LED A60 6 W, RGBW, E27	

Accessory for ground installation			**Price Category 12**
982240.003	D 90, H 240	Earth spike	



Garden luminaires | Home 305



Type of Protection: **IP 54**
Protection Class: III (II while charging)

Plastic base with opal plastic (polyethylene) barrel-shaped diffuser, satin finish. LED with colour change sequencer for battery operation - tuneable coloured light RGB or white. Full charge service life 8 to 12 hours (continuous operation). Light control via IR remote control. External charger for 100 - 240 V/50 - 60 Hz included.

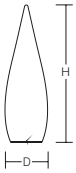
Charge in dry rooms only!

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	System power	dimm-able	
Decorative garden luminaires						**Price Category 12**
612113.002	D 490, H 430	LED	RGB	9 W	IR	



Garden luminaires | Home 306, Home 307, Home 308



Type of Protection: **IP 54**
Protection Class: III (II while charging)

Plastic base with opal plastic (polyethylene) cypress-shaped diffuser, satin finish. LED with colour change sequencer for battery operation - tuneable coloured light RGB or white. Full charge service life 8 to 12 hours (continuous operation). Light control via IR remote control. External charger for 100 - 240 V/50 - 60 Hz included.

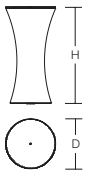
Charge in dry rooms only!

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour	System power	dimm-able	
Decorative garden luminaires						**Price Category 12**
612110.002	D 250, H 800	LED	RGB	9 W	IR	
612111.002	D 370, H 1200	LED	RGB	9 W	IR	
612112.002	D 460, H 1500	LED	RGB	9 W	IR	

Specifications subject to alteration | Further information and additional versions can be found on our website at www.rzb-lighting.com
.Q = Quick service (stock articles) | **LED** [(1)] = With mains voltage LED | Further information on technical specifications can be found in the appendix
The values indicated for power and luminous flux are rated values

Garden luminaires | Home 350





Type of Protection: **IP 54**
Protection Class: III (II while charging)

Plastic base with opal plastic (polyethylene) diffuser, satin finish, glass tabletop. LED with colour change sequencer for battery operation - tuneable coloured light RGB or white. Full charge service life 8 to 12 hours (continuous operation). Light control via IR remote control. External charger for 100 - 240 V/50 - 60 Hz included.

Charge in dry rooms only!

Available colour: 2 = white

Reference number	Dimensions	Lamp	Light colour		dimm-able	
Decorative garden luminaires						**Price Category 12**
612160.002	D 580, H 1100	LED	RGB	4 W	IR	

Replacement table plate						**Price Category 12**
982474.000	D 570, H 10					



© Fotostudio Lippmann

The application image shows:
Home 350



The application image shows:
Less is more 27

© Linus Lintner

Types of protection	914
Protection classes	914
IK code: Impact protection	914
Electrotechnical variants and additions	914
Ballasts	914
Service life criteria	914
Binning	914
Abbreviations	915
Symbols	915
General information	915
Safety and quality	915
Safety marks	915
Graphics and tables	916
Chemical resistance	918
Reference number index	919
Alphabetical index	946
Terms and conditions of sale and delivery	949
Customer Contact	952

Types of protection according to EN 60598/VDE 0711

1st digit: Protection against solid objects

	IP 2X	Protection against penetration of solid objects ≥ 12.5 mm
	IP 3X	Protection against penetration of solid objects ≥ 2.5 mm
	IP 4X	Protection against penetration of solid objects ≥ 1 mm
	IP 5X	Protection against dust penetration
	IP 6X	Dust-proof

2nd digit: Protection against water

	IP X1	Protected against water drops (vertically falling drops of water)
	IP X2	Protected against water drops (up to 15° from the vertical)
	IP X3	Splashproof luminaires
	IP X4	Luminaires are protected against water sprays
	IP X5	Luminaires are protected against water jets
	IP X6	Protected against rough sea or heavy jets of water
	IP X7	Protection against temporary immersion
m	IP X8	Protection against continuous immersion

The type of protection indicated for surface mounted, recessed, pole or pendant luminaires only applies to the defined and/or permitted type of luminaire installation.

Protection classes

Protection class I

Protection against electric shock is not derived solely from the basic insulation. Accessible conductive parts are also connected to the protective conductors on the on-site installation to prevent them from going live if the basic insulation fails.

Protection class II

Protection against electric shock is not derived solely from the basic insulation, but also assured by double- or triple-reinforced insulation. Neither has provision been made to connect a protective conductor nor is the protection derived from the construction conditions.

Protection class III

Protection against electric shock is derived from using the safety extra-low voltage (SELV). No voltages above SELV (max. 50 V AC or 120 V DC) are generated. Appropriate converters reliably separate SELV circuits in luminaires from other electric circuits.

IK code: Impact protection

The IK degree of impact protection is a classification for the resistance of housing for electrical equipment to mechanical impacts. It is standardised in accordance with IEC EN 50102 and describes how much impact energy in joules the housing can withstand without breaking. The higher the IK code, the more robust and resistant is the luminaire.

IK class (DIN EN 50102)	Impact energy (joules)
IK00	No impact resistance
IK01	up to 0,15 J
IK02	up to 0,20 J
IK03	up to 0,35 J
IK04	up to 0,50 J
IK05	up to 0,70 J
IK06	up to 1,00 J
IK07	up to 2,00 J
IK08	up to 5,00 J
IK09	up to 10,0 J
IK10	up to 20,0 J

Electrotechnical variants and additions

Codes are marked by a two-digit suffix separated by a point at the end of the reference number.

Code .04	**autom. self-test function and feedback to MultiDigit**
	Version with automatic self-test function and feedback to MultiDigit
Code .07	**autom. self-test function and feedback to DALI**
	Version with automatic self-test function and feedback to RZB DALI monitoring systems
Code .19	**Movement sensor**
	With movement sensor (stand-alone or master)
Code .191	**Slave luminaire**
	for operation with **.19** master luminaires
Code .25	**Light-sensitive switch**
	Integrated light-sensitive switch
Code .730	**smart+free**
	Light management for wireless light control via Bluetooth®
Code .76	**EB, digitally dimmable (DALI)**
	Version with digitally dimmable EB, DALI compatible
Code .79	**EB**
	Version with electronic ballast
Code .89	**AC-Control**
	Monitoring system for LUXIFAIR central battery system

Ballasts

Our luminaires are mainly fitted with low-loss ballasts. They are designed for 230 V/50 Hz (ballasts with other specifications available on request).

Luminaires with electronic ballasts are indicated by the code at the end of the reference number, e.g. .76 or .79 or have their own separate reference number with explanatory text.

Service life criteria

The luminous flux of LEDs and LED luminaires declines slowly as the operating time increases. The parameters Lx,By describe the condition after a rated time of operation.

In the expression Lx,By, x stands for the remaining proportion of initial luminous flux in %, and y stands for the proportion of LEDs or luminaires that still supply luminous power flux but at a level lower than x %.

These parameters are used, for example, for drawing up maintenance plans for lighting systems. Correctly dimensioned LED luminaires continue to provide light for a long time even after the rated time of operation.

You can find more detailed explanations about the operating performance of LEDs in: Guide to reliable planning with LED lighting published by ZVEI, Revised 2nd edition dated 09/03/2016

Binning

The term „binning“ describes the classification of LEDs in the ongoing production process, in particular with respect to their colour quality. Light colour (the most similar colour temperature), colour rendering index (Ra) and colour coordinate tolerance (MacAdam‘s ellipses) are the common terms generally used to describe the binning of an LED.

Specifications subject to alteration

Abbreviations

L	Length
B	Width
H	Height
D	Diameter
T	Depth
LP	Pendant length
AL	Extension
BA, LA, DA	Cut out (width, length or Ø)
HE	Required minimum recess depth (for mechanical and thermal reasons)
TE	Recess height of luminire (ceiling)
HEL	Recessed height of the luiminaire
Le	Recess length
EEC	Energy efficiency class
Tg	Operating temperature in °C at the centre of the luminaire surface
ta	Luminaires marked “ta 15°C” are designed for ambient temperatures of 15°C and are also suitable for outdoors.
E-Trafo	Electronic transformer
EB	Electronic ballast
LM	Lamp
LVK	Light distribution curve
DKN system®	DKN glass luminaires (push and tilt) allowing for glass mounting without tools: light pressure of the glass rim on the retaining springs releases the tilt and holding mechanism ensuring a safe position of the glass diffuser. Retaining springs even out glass rim discrepancies and protect the glass diffusers during repeated attachment and removal. The base is not visible once the glass diffuser has been attached.
RGB	stands for additive colour mixture, based on the three primary colours red - green – blue, using suitable lamps, e.g. coloured fluorescent lamps or coloured LED lamps. By optimising the arrangement of the lamps in the luminaire and choosing colour-saturated lamps, RZB produces a high level of colour saturation and a broad spectrum of composite colours.
LED	stands for light emitting diode, an electronic semi-conductor component offering excellent energy efficiency and a long service life.
LED (1)	Mains voltage LED - no driver required
①	Our Edison socket luminaires are mainly compatible with halogen and compact fluorescent lamps, as well as LED lamps, as an alternative to conventional general service lamps. All such luminaires are marked in the catalogue with ①, furthermore socket size and maximum lamp wattage are indicated. The indicated maximum wattage refers to the conventional general service lamp. When using non-conventional lamps, please follow the vendor’s instructions concerning conversion of the relevant wattage. In determining which light source is suitable, you will need to consider the size of the light source and the number of times it can be switched on and off. Please note that the “Comparison of LED and conventional lamps” is based on hypothetical averages and not on exact figures.

Symbol explanations



Directive 2012/19/EU (WEEE)

Electrical and electronic equipment should never be disposed of with general household waste. The devices must be delivered to an appropriate facility to allow for environmentally sound disposal, recovery of recyclable materials and the possibility of re-use.

Registration with the German Clearing House, stiftung ear, under WEEE reg. no.: 15524944

General information

Indoor lighting

For recessed luminaires, the indicated type of protection only applies to luminaires installed in closed, dry ceilings.

The requirements to be met during installation of the luminaire concerning distance and recess height are specified in the relevant installation instructions for open and closed ceilings. These installation instructions are also available at www.rzb-lighting.com.

Outdoor lighting

Possibility of condensation

Condensation can arise in outdoor luminaires with a high type of protection.

A vacuum occurs while the luminaires are cooling down and/or after they were switched off or when temperatures fluctuate strongly. This can result in moisture getting in the inside of the luminaire, where it condenses.

As such, the accumulation of condensation in an outdoor luminaire is by no means an indication that the luminaire is not watertight.

Care of stainless steel luminaires

Stainless steel is corrosion resistant and therefore does not require any organic nor metallic coating to improve its corrosion resistance or appearance.

To keep the luminaires looking good, they should occasionally be treated with a suitable cleaning agent.

Safety and quality

To reduce development times and produce high-quality, safe and standard-compliant luminaires, we have a modern electrical laboratory that is certified according to the Test Data Acceptance Programme (TDAP) by the VDE Testing and Certification Institute. In it, we carry out measurings according to the relevant guidelines and standards. In addition to running protection-type, glow-wire, heat, temperature, humidity, high-voltage and power tests with the latest test devices, we can also measure electromagnetic compatibility (EMC). Alongside our electrical laboratory, we also have a light laboratory with goniophotometer, spectrometer and flicker meter for measuring photometric data.

All the luminaires in this catalogue, and all our customised luminaires, are produced in accordance with the applicable European directives and regulations and the European standard EN 60598 (VDE 0711). For our extensive product portfolio we have VDE test certificates as well as the ENEC (European Norms Eletrical Certification) safety mark. The manufacture of these luminaires is monitored by regular factory inspections by the VDE Testing and Certification Institute.

From product development, goods entry, production, logistics up to our after sales service, every step of the process is strictly controlled, continuously optimised and, if necessary redefined. Our quality management system has been continuously certified since 1996.

RZB is certified according to DIN EN ISO 9001:2015.

Safety marks



The ENEC mark is a European test and certification mark for luminaires and electrical luminaire components.

CE

Putting on the CE mark on our luminaires we certify that our products fulfill the basic requirements of European regulations and standards. The respective CE declaration of conformity is available for download on our website www.rzb-lighting.com within the download section of each product.

Explanation of values indicated in this catalogue

„Lamp/Wattage“

describes the number and type of lamps (e.g. 1 x HIT-CE) and their maximum power P [W] (e.g. 70 W) to be used in the selected luminaire. For luminaires with LED lamps, only LED is indicated – the rated values for power consumption and luminous flux are indicated in the Luminaire Flux and System Power columns.

„Light colour“

To indicate the „light colour“ and the colour rendering quality of a light source, the lighting industry uses a three-digit light colour code, where the first digit defines the colour rendering index (CRI) while the second and third denote the correlated colour temperature of the light emitted by the light source in Kelvin [K].

Examples:

8 27
- colour temperature 2700 K
- colour rendering index Ra = 80-89

9 40
- colour temperature 4000 K
- colour rendering index Ra = 90-100

„Luminaire flux“

is defined as the total quantity of light emitted by **a luminaire** and is measured in lumens [lm].

The values indicated in this catalogue are rated values.

„System power“

Indicates the luminaire 's total power requirements, i.e. the total watts [W] required to power the light source and any ballast or driver needed for operation.

The values indicated in this catalogue are rated values.

„α“ - beam angle

also called half-peak angle of a luminaire is defined as that part of the beam where the light level varies between its peak intensity and half the peak level. This angle indicates whether the light distribution of a luminaire is narrow, medium or wide beam.

„UGR“

The UGR value (Unified Glare Rating) allows for the rating of direct glare resulting from indoor lighting installations. The higher the UGR value, the higher is the risk of glare. Standardized limit values are defined for specific types of activities and areas and must not be exceeded (see e.g. DIN EN 12464-1).

„Dimmable“

Indicates whether the luminaire is dimmable and which system is used.

This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information is available in the section Emergency lighting.

„EEC“

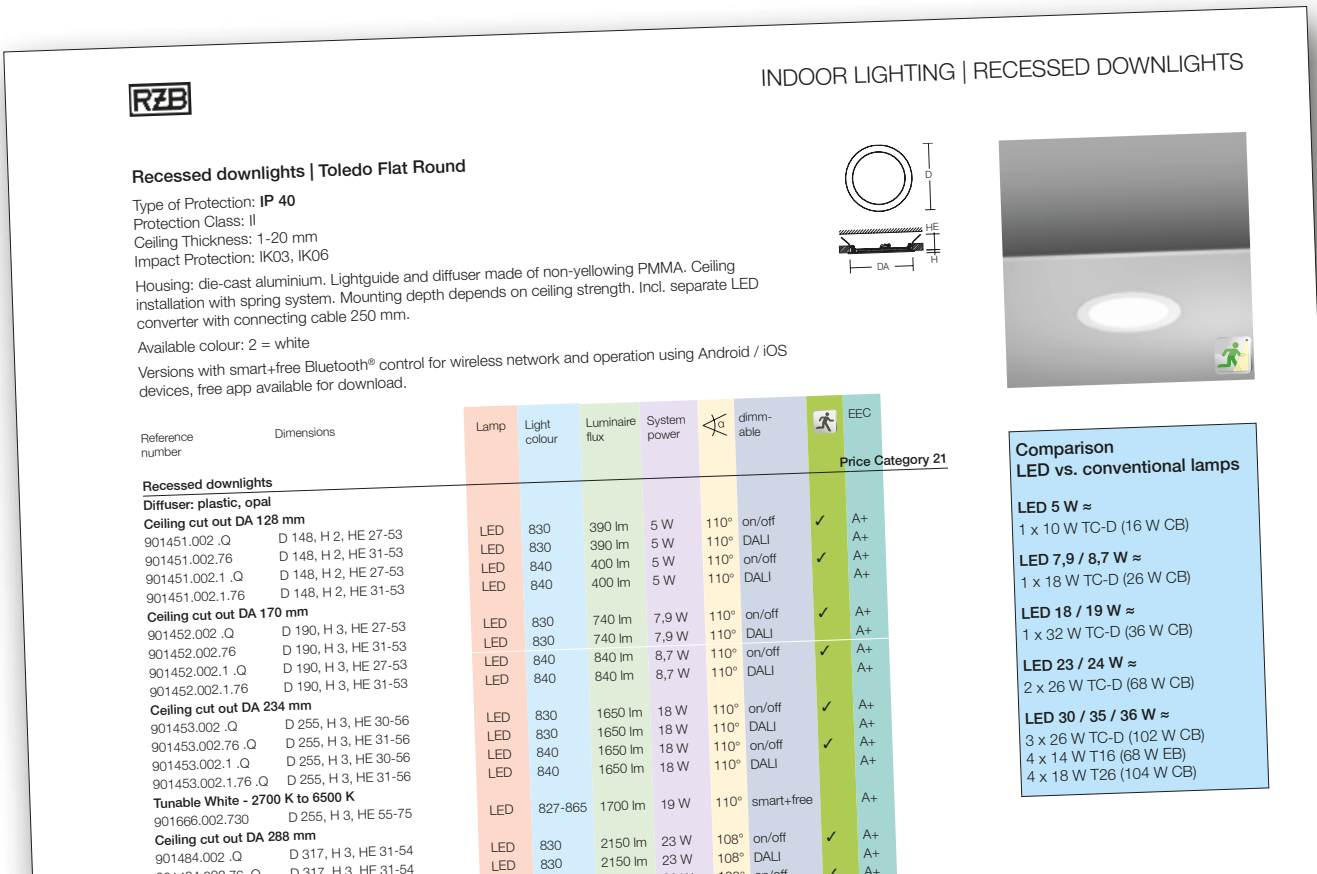
Energy efficiency class for a light source in accordance with regulation (EU) no 874/2012.

These classes are determined in accordance with the system that is currently in use for other electrical devices:

A++ (highest energy efficiency) to **E** (lowest energy efficiency)

In this catalogue energy efficiency classes are presented as follows:

- For an integrated lamp, the energy efficiency class is given for the luminaire with this lamp. **Example**: A+
- For luminaires with no lamp, the range of energy efficiency classes is given



INDOOR LIGHTING | RECESSED DOWNLIGHTS

Recessed downlights | Toledo Flat Round

Type of Protection: **IP 40**
Protection Class: II
Ceiling Thickness: 1-20 mm
Impact Protection: IK03, IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: 2 = white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	dimmable		EEC
									Price Category 21
Recessed downlights									
Diffuser: plastic, opal									
Ceiling cut out DA 128 mm									
901451.002 .Q	D 148, H 2, HE 27-53	LED	830	390 lm	5 W	110°	on/off	✓	A+
		LED	830	390 lm	5 W	110°	DALI		A+
901451.002.76	D 148, H 2, HE 31-53	LED	840	400 lm	5 W	110°	on/off	✓	A+
901451.002.1 .Q	D 148, H 2, HE 27-53	LED	840	400 lm	5 W	110°	DALI		A+
901451.002.1.76	D 148, H 2, HE 31-53								
Ceiling cut out DA 170 mm									
901452.002 .Q	D 190, H 3, HE 27-53	LED	830	740 lm	7,9 W	110°	on/off	✓	A+
		LED	830	740 lm	7,9 W	110°	DALI		A+
901452.002.76	D 190, H 3, HE 31-53	LED	840	840 lm	8,7 W	110°	on/off	✓	A+
901452.002.1 .Q	D 190, H 3, HE 27-53	LED	840	840 lm	8,7 W	110°	DALI		A+
901452.002.1.76	D 190, H 3, HE 31-53								
Ceiling cut out DA 234 mm									
901453.002 .Q	D 255, H 3, HE 30-56	LED	830	1650 lm	18 W	110°	on/off	✓	A+
901453.002.76 .Q	D 255, H 3, HE 31-56	LED	830	1650 lm	18 W	110°	DALI		A+
901453.002.1 .Q	D 255, H 3, HE 30-56	LED	840	1650 lm	18 W	110°	on/off	✓	A+
901453.002.1.76 .Q	D 255, H 3, HE 31-56	LED	840	1650 lm	18 W	110°	DALI		A+
Tunable White - 2700 K to 6500 K									
901666.002.730	D 255, H 3, HE 55-75	LED	827-865	1700 lm	19 W	110°	smart+free		A+
Ceiling cut out DA 288 mm									
901484.002 .Q	D 317, H 3, HE 31-54	LED	830	2150 lm	23 W	108°	on/off	✓	A+
		LED	830	2150 lm	23 W	108°	DALI		A+
	D 317, H 3, HE 31-54								

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

LED 7,9 / 8,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 / 19 W ≈
1 x 32 W TC-D (36 W CB)

LED 23 / 24 W ≈
2 x 26 W TC-D (68 W CB)

LED 30 / 35 / 36 W ≈
3 x 26 W TC-D (102 W CB)
4 x 14 W T16 (68 W EB)
4 x 18 W T26 (104 W CB)

System power LED ≈ Conventional lamp (system power)

This comparison is for a better orientation with respect to the light output of LED luminaires based on the comparison of luminous flux. The specified system power of the illustrated LED luminaires is compared with the appropriate luminaires with conventional lamps. To make the power consumption clear, the system power of the conventional lamps is given in brackets.

Comparison
LED vs. conventional lamps

LED 28 W ≈

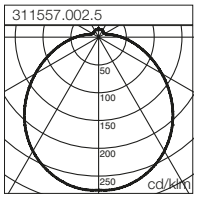
2 x 26 W TC-D (68 W CB)
1 x 40 W T16-R (43 W EB)

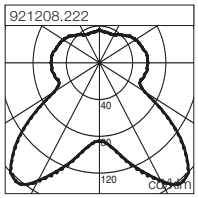
LED 35 W ≈

4 x 18 W TC-D (104 W CB)
1 x 55 W T16-R (60 W EB)

LDC (Light distribution curve)

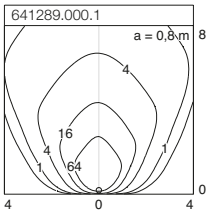
This curve shows the light distribution of a luminaire. The specified light distribution values are standardised at 1000 lm luminous flux of the lamp and have to be adapted to the actual luminous flux. For LED luminaires the LDC is indicated as absolute photometrics.

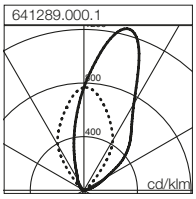




Wall lighting (contour line diagram)

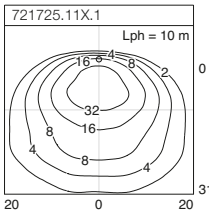
This diagram shows the light distribution on a wall created by a luminaire at a certain distance from the wall.

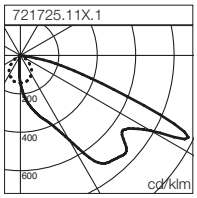




Floor lighting (contour line diagram)

This diagram shows the light distribution on a floor created by a luminaire at a certain height.





Quick calculation

The table serves as indication for the planning of rooms and hallways (the value in brackets is the level of the working plane). The average illuminance achieved may go up or down depending on the number of luminaires.

311557.002.5

Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
2	3	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
2	3	-

921208.222

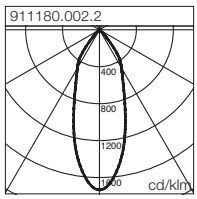
Hall 50 x 30 m (0 m)			
Lph	**100 lx**	**300 lx**	**500 lx**
6 m	24	70	-
9 m	30	77	-
12 m	30	88	-
15 m	30	88	-

Cone diagram

The diagram shows the diameter of the light cone and the maximum illuminance in the centre, depending on the distance of the luminaire from the illuminated object.

911180.002.2

h (m)	Ø (m)	E (lx)
1.0	0.67	6417.1
2.0	1.35	1604.3
3.0	0.02	713.0
4.0	2.69	401.1
5.0	3.36	256.7



Chemical Resistance

to the plastics used in the manufactured luminaires

Chemical Agents	max. concentration	PC	PMMA
Acetone		-	-
Battery Acid		o	-
Aliphate. Hydrocarbons		+	o
Alcohol	30%	+	+
Alcohol concentrate		-	-
Aluminium sulphate	10%	+	
Formic acid	30%	-	o
Ammonia	5%	-	+
Ammonia	25%	-	+
Aniline		-	-
Aromatic hydrocarbons		-	-
Arsenic acid		+	+
Ether		-	-
Caustic potash		-	
Benzene		-	-
Beer		+	+
Blood		+	+
Bromic acid		-	-
Calcium Chloride		+	+
Chloroform		-	-
Chlorophenol		-	-
Chromic acid	40%	o	o
Diesel fuel		o	+
Dioxane		-	-
Acetic acid	5%	+	o
Acetic acid	30%	+	-
Ethyl acetate (ester)		-	-
Ethanol	30%	+	o
Ethanol	50%	+	-
Ethyl acetate		-	-
Ethyl alcohol		+	o
Mineral fat		-	+
Vegetable fat		-	+
Animal fat		-	+
Glycerin		o	+
Glycol		+	+
Glysantin		+	+
Glycerine		o	+
Fuel oil		-	o
Caustic potash	30%	-	+
Potassium nitrate		+	+
milk of lime		o	+
Ketone		-	-
Saline solution	20%	+	+
Carbon dioxide		+	+
Carbon monoxide		+	+

Chemical Agents	max. concentration	PC	PMMA
Hydrocarbons		-	o
Lye		o	+
Lysol		-	-
Sea water		+	+
Methanol		-	-
Methyl chloride		-	-
Lactic acid, aqueous	10%	+	+
Mineral oils		+	+
Sodium hydroxide solution	2%	-	+
Sodium hydroxide solution	10%	-	+
Regular petrol (ROZ 91)		o	-
Petroleum ether		o	+
Phenol		-	-
Nitric acid	10%	+	+
Nitric acid	20%	o	o
Hydrochloric acid	5%	+	+
Hydrochloric acid	15%	+	+
Hydrochloric acid	20%	o	+
Sulfur dioxide		o	-
Sulphuric acid	30%	+	+
Sulphuric acid	50%	+	+
Sulphuric acid	70%	o	o
Hydrogen sulfide		+	+
Soap sud		+	+
Silicone oils		+	o
Soda bleach		+	+
Premium petrol		-	+
Turpentine oil		o	o
Carbon tetrachloride		-	-
Toluene		-	-
Trichloroethylene		-	-
Hydrogen peroxide	30%	o	-
Hydrogen sulfide		+	+
Xylene / Dimethylbenzene		-	-
Citric acid	20%	+	+

+ resistant
o partially resistant
- non-resistant

Specifications subject to alteration

No.	Page
01-8524.132	454
01-8524.133	454
01-8524.134	454
01-8524.152	446
01-8524.153	446
01-8524.154	446
01-8613.002	517
05-10120	105
05-10130	105
05-10320	104
05-10330	104
05-10420	105
05-10430	105
05-1929.012	40
05-1934.012	23
05-1936.002	147
05-1936.022	39
05-1939.022	35
05-1940.002	35
05-1940.022	35
05-1941.002	147
05-1941.022	39
05-1952.002	35
05-1952.032	35
05-1952.062	35
05-1953.002	35
05-1954.002	35
05-1955.002	35
05-1956.002	47
05-1957.002	47
05-1965.002	25
05-1966.002	25
05-1969.002	60
05-1970.002	60
05-1971.002	60
05-2002.002	95
05-2003.002	95
05-2005.002	95
05-2007.002	95
05-2008.002	27
05-2009.002	29
05-2010.002	29
05-20101	574
05-20102	574
05-20124	573
05-20128	107
05-20129	107
05-20136	559
05-2018.032	23
05-2022.000	41
05-2037.012	53
05-2038.002	147
05-211004.002	91
05-211005.002	91
05-211006.002	91
05-21101	102
05-211011.002	91
05-21102	102
05-211059.002	91
05-211071.002	91
05-211227.002	97
05-211250.012	91
05-21128	106
05-211289.002	42
05-21129	106
05-211324.002	42
05-21136	108
05-21157	108
05-231011.002	43
05-23643.002	43
05-251005.003	558
05-251005.004	558
05-251007.003	558
05-251007.004	558
05-311009.002	165
05-311012.002	163
05-311015.002	163
05-311044.002	163
05-311469.002	163
05-311488.012	100
05-311489.012	100
05-311491.012	101
05-311492.012	101
05-311985.012	170
05-311986.012	170
05-311987.012	170
05-311988.012	170
05-312174.002	60
05-3143.002	871
05-40120	123
05-40130	123
05-50200	131
05-50200.020	131
05-50200.042	131
05-55863	111
05-56150	111
05-581023.002	874
05-59160	111
05-59162	111
05-59250	111
05-59252	111
05-59256	111
05-61034	575
05-61818	576
05-931174.012	33
05-931176.012	33
05-931177.012	33
05-931179.012	33
06566	517
08-1837.002	555
08-2036.002	27
08-2037.002	27
08-2038.002	27
08-2118.002	62
08-2118.012	62
08-2119.002	62
08-2119.012	62
08-2120.002	62
08-2120.012	62
08-22070.002	771
08-221040/0001	569
08-221040/0002	569
08-221057.002	95
08-221061.002	95
08-221066.002	569
08-221069.002	97
08-221073.002	97
08-221080.002	97
08-221083.002	95
08-22141	103
08-22142	103
08-22144	109
08-22146	107
08-22148	107
08-22243	109
08-311047.012	165
08-311050.012	163
08-311053.012	163
08-311056.012	163
08-311161.012	82
08-311161.022	83
08-311165.012	82
08-311165.022	83
08-311170.012	82
08-311170.022	83
08-311173.012	82
08-311173.022	83
08-311183.022	81
08-311183.032	81
08-311270.002	81
08-311292.002	73
08-311292.012	73
08-311378.012	163
08-311595.002	74
08-311595.012	75
08-311600.002	74
08-311600.012	75
08-311604.002	74
08-311604.012	75
08-311616.002	74
08-311616.012	75
08-311623.002	82
08-311623.012	83
08-312084.002	69
08-312084.012	69
08-312085.002	69
08-312085.012	69
08-312086.002	69
08-312086.012	69
08-312087.002	69
08-312087.012	69
08-312175.002	62
08-312175.012	62
08-5145.002	87
08-5145.012	87
08-5146.002	87
08-5146.012	87
08-5229.002	87
08-5229.012	87
08-581019.012	874
08-6093.002	517
08-64100	769
08-671320.002	777
08-671373.002	765
08-671514.000	782
08-671516.002	781
08-671573.002	778
08-672331.002	773
09-6422.002	520
09-6429.000	520
09-6448.000	526
09-6555.040	732
09-6555.050	732
09-6555.060	732
09-6556.040	732
09-6556.050	732
09-6556.060	732
09-6557.040	732
09-6557.050	732
09-6557.060	732
09-6599.009	517
10-2331	127
10-2332	127
10-2333	127
10-2334	127
10-2335	127
10120.002	105
10122.002	105
10122.002.1	105
10130.002	105
10138.002	105
10138.002.1	105
10320.002	104
10322.002	104
10322.002.1	104
10330.002	104
10337.002	104
10337.002.1	104
10420.002	105
10422.002	105
10422.002.1	105
10430.002	105
10434.002	105
10434.002.1	105
201010.003	558
201010.004	558
201012.003	558
201012.004	558
201024.003.1.25	574
201025.003.1.25	574
201026.003.1.25	571
201027.003.1.25	571
201028.003.1	573
201028.003.1.25	573
201029.003.1	573
201030.003	558
201030.003.1	558
201030.004	558
201030.004.1	558
20124.003	573
20128.002	107
20128.003	107
20129.002	107
20129.003	107
20136.002	559
20136.003	559
201410.002	107
201410.002.1	107
201412.002	107
201412.002.1	107
20172.002	107
20172.003	107
20224.003	573
211004.002	91
211005.002	91
211006.002	91
21101.002	102
21101.003	102
211011.002	91
211059.002	91
211060.002	91
211071.002	91
211207.002	95
211207.002.1	95
211209.002	95
211209.002.1	95
211209.002.1.76	95
211209.002.76	95
21128.002	106
21128.003	106
211289.002	42
21129.002	106
21129.003	106
211324.002	42
211344.002.3.19	92
211355.002.3.19	92
21136.002	559
21136.003	559
211394.002	91
211394.002.1	91
211395.002	91
211395.002.1	91
211396.002	91
211396.002.1	91
211397.002	91
211397.002.1	91
211398.002	95
211398.002.1	95
211398.002.1.76	95
211398.002.76	95
211399.002	91
211399.002.1	91
211399.002.1.19	93
211399.002.1.191	93
211399.002.1.76	91
211399.002.19	93
211399.002.191	93
211399.002.76	91
211400.002	91
211400.002.1	91
211400.002.1.19	93
211400.002.1.191	93
211400.002.1.76	91
211400.002.19	93
211400.002.191	93
211400.002.76	91
211401.002	91
211401.002.1	91
211401.002.1.76	91
211401.002.76	91
211403.002	91
211403.002.1	91
211403.002.1.76	91
211403.002.76	91
211404.002	95
211404.002.1	95
211404.002.1.76	95
211404.002.76	95
211408.002	97
211408.002.1	97
211410.002	106
211410.002.1	106
211412.002	106
211412.002.1	106
211415.002	102
211415.002.1	102
211416.002	102
211416.002.1	102
211421.002	108
211421.002.1	108
211422.002	108
211422.002.1	108
211423.002	42
211423.002.1	42
211424.002	42
211424.002.1	42
211425.002	91
211425.002.1	91
211425.002.1.76	91
211425.002.76	91
211426.002	95
211426.002.1	95
211426.002.1.76	95
211426.002.76	95
21146.002	108
21146.003	108
21171.002	102
21171.003	102
221022.002	87
221023.002	87
221023.002.1	87
221026.002	87
221105.002	87
221106.002	87
221114.002	87
221114.002.1	87
221126.002.3.19	88
221126.002.4.19	88
221153.002	87
221153.002.1	87
221153.002.1.19	89
221153.002.1.191	89
221153.002.1.76	87
221153.002.19	89
221153.002.191	89
221153.002.2	87
221153.002.2.19	89
221153.002.2.191	89
221153.002.2.76	87
221153.002.3	87
221153.002.3.19	89
221153.002.3.191	89
221153.002.3.76	87
221153.002.76	87
221154.002	87
221154.002.1	87
221154.002.1.19	89
221154.002.1.191	89
221154.002.1.76	87
221154.002.19	89
221154.002.191	89
221154.002.2	87
221154.002.2.19	89
221154.002.2.191	89
221154.002.2.76	87
221154.002.3	87
221154.002.3.19	89
221154.002.3.191	89
221154.002.3.76	87
221154.002.76	87
221155.002	95
221155.002.1	95
221155.002.1.76	95
221155.002.76	95
221156.002	95
221156.002.1	95
221156.002.1.76	95
221156.002.76	95
221157.002	87
221157.002.1	87
221157.002.1.76	87
221157.002.2	87
221157.002.2.76	87
221157.002.3	87
221157.002.3.76	87
221157.002.76	87
221158.002	95
221158.002.1	95
221158.002.1.76	95
221158.002.76	95
221160.002	97
221160.002.1	97
221161.002	97
221161.002.1	97
221161.002.1.76	97

No.	Page
221161.002.76	97
221162.002	97
221162.002.1	97
221162.002.1.76	97
221162.002.76	97
221164.002	107
221164.002.1	107
221165.002	107
221165.002.1	107
221166.002	97
221166.002.1	97
221167.002	569
221167.002.25	569
221167.003	569
221167.003.1	569
221167.003.25	569
221167.004	569
221167.004.2	569
221167.004.25	569
221168.002	103
221168.002.1	103
221169.002	103
221169.002.1	103
221170.002	109
221170.002.1	109
221171.002	109
221171.002.1	109
221172.002	87
221172.002.1	87
221172.002.1.76	87
221172.002.2	87
221172.002.2.76	87
221172.002.3	87
221172.002.3.76	87
221172.002.76	87
221173.002	95
221173.002.1	95
221173.002.1.76	95
221173.002.76	95
221174.002	885
221174.002.1	885
221175.002	885
221175.002.1	885
221176.002	885
221176.002.1	885
221177.002	886
221177.002.1	886
221178.002	886
221178.002.1	886
221179.002	886
221179.002.1	886
221180.002	886
221180.002.1	886
221181.002	886
221181.002.1	886
221182.002	886
221182.002.1	886
221183.002	887
221183.002.1	887
221186.002	888
221186.002.1	888
221187.002	888
221187.002.1	888
221188.002	888
221188.002.1	888
221189.002	888
221189.002.1	888
221190.003.25	570
221191.003.25	570
221192.002	887
221192.002.1	887
22130.002	107
22130.003	107
22141.002	103
22141.003	103
22142.002	103
22142.003	103
22143.002	109
22143.003	109
22144.002	109
22144.003	109
22146.002	107
22146.003	107
22148.002	107
22148.003	107
22150.002	103
22150.003	103
231011.002	43
231016.002	43
231016.002.1	43
231018.002	43
231018.002.1	43
23643.002	43
251050.003.1.25	572
251051.003.1.25	572
311009.002	164
311012.002	164
311015.002	164
311047.002	164
311050.002	164
311053.002	164
311344.002	165
311347.002	165
311350.002	165
311363.002	165
311366.002	165
311369.002	165
311488.0042	100
311488.0044	100
311488.005	100
311489.0042	100
311489.0044	100
311489.005	100
311491.0042	101
311491.0044	101
311491.005	101
311492.0042	101
311492.0044	101
311492.005	101
311518.002.5	82
311518.002.5.19	84
311518.002.5.76	82
311518.002.6	83
311518.002.6.19	84
311518.002.6.76	83
311518.002.7	82
311518.002.7.19	84
311518.002.7.76	82
311518.002.8	83
311518.002.8.19	84
311518.002.8.76	83
311523.002.5	82
311523.002.5.19	84
311523.002.5.76	82
311523.002.6	83
311523.002.6.19	84
311523.002.6.76	83
311523.002.7	82
311523.002.7.19	84
311523.002.7.76	82
311523.002.8	83
311523.002.8.19	84
311523.002.8.76	83
311525.002.5.19	84
311525.002.6.19	84
311525.002.7.19	84
311525.002.8.19	84
311555.002.5	82
311555.002.5.76	82
311555.002.6	83
311555.002.6.76	83
311555.002.7	82
311555.002.7.76	82
311555.002.8	83
311555.002.8.76	83
311557.002.5	82
311557.002.5.76	82
311557.002.6	83
311557.002.6.76	83
311557.002.7	82
311557.002.7.76	82
311557.002.8	83
311557.002.8.76	83
311570.004	147
311570.004.1	147
311570.004.1.730	147
311570.004.1.76	147
311570.004.2.730	147
311570.004.730	147
311570.004.76	147
311570.005	147
311570.005.76	147
311577.000	151
311577.000.1	151
311577.000.1.730	151
311577.000.1.76	151
311577.000.2.730	151
311577.000.730	151
311577.000.76	151
311610.002.5	74
311610.002.5.19	76
311610.002.5.76	74
311610.002.6	75
311610.002.6.19	76
311610.002.6.76	75
311610.002.7	74
311610.002.7.19	76
311610.002.7.76	74
311610.002.8	75
311610.002.8.19	76
311610.002.8.76	75
311611.002.5	74
311611.002.5.19	76
311611.002.5.76	74
311611.002.6	75
311611.002.6.19	76
311611.002.6.76	75
311611.002.7	74
311611.002.7.19	76
311611.002.7.76	74
311611.002.8	75
311611.002.8.19	76
311611.002.8.76	75
311612.002.5.19	76
311612.002.6.19	76
311612.002.7.19	76
311612.002.8.19	76
311613.002.5	74
311613.002.5.76	74
311613.002.6	75
311613.002.6.76	75
311613.002.7	74
311613.002.7.76	74
311613.002.8	75
311613.002.8.76	75
311619.002.5	74
311619.002.5.76	74
311619.002.6	75
311619.002.6.76	75
311619.002.7	74
311619.002.7.76	74
311619.002.8	75
311619.002.8.76	75
311620.002.5	74
311620.002.5.19	76
311620.002.5.76	74
311620.002.6	75
311620.002.6.19	76
311620.002.6.76	75
311620.002.7	74
311620.002.7.19	76
311620.002.7.76	74
311620.002.8	75
311620.002.8.19	76
311620.002.8.76	75
311626.002.5	82
311626.002.5.76	82
311626.002.6	83
311626.002.6.76	83
311626.002.7	82
311626.002.7.76	82
311626.002.8	83
311626.002.8.76	83
311627.002.5	82
311627.002.5.19	84
311627.002.5.76	82
311627.002.6	83
311627.002.6.19	84
311627.002.6.76	83
311627.002.7	82
311627.002.7.19	84
311627.002.7.76	82
311627.002.8	83
311627.002.8.19	84
311627.002.8.76	83
311662.000	151
311662.000.1	151
311662.000.1.730	151
311662.000.1.76	151
311662.000.2.730	151
311662.000.730	151
311662.000.76	151
311669.004	147
311669.004.1	147
311669.004.1.730	147
311669.004.1.76	147
311669.004.2.730	147
311669.004.730	147
311669.004.76	147
311672.004	39
311672.004.1	39
311673.004	39
311673.004.1	39
311673.004.1.76	39
311673.004.76	39
311674.004	148
311674.004.1	148
311674.004.1.76	148
311674.004.76	148
311675.004	148
311675.004.1	148
311675.004.1.76	148
311675.004.76	148
311677.000	259
311677.000.1	259
311677.000.1.76	259
311677.000.76	259
311678.000	259
311678.000.1	259
311678.000.1.76	259
311678.000.76	259
311681.000	258
311681.000.1	258
311681.000.1.730	258
311681.000.1.76	258
311681.000.2.730	258
311681.000.730	258
311681.000.76	258
311682.004	148
311682.004.1	148
311682.004.1.76	148
311682.004.76	148
311691.004	148
311691.004.1	148
311691.004.1.76	148
311691.004.76	148
311693.000	259
311693.000.1	259
311693.000.1.76	259
311693.000.76	259
311694.002	81
311694.002.1	81
311694.002.1.76	81
311694.002.2	81
311694.002.2.76	81
311694.002.3	81
311694.002.3.76	81
311694.002.76	81
311695.002	73
311695.002.1	73
311695.002.1.76	73
311695.002.2	73
311695.002.2.76	73
311695.002.3	73
311695.002.3.76	73
311695.002.76	73
311696.002	185
311696.002.1	185
311696.002.1.76	185
311696.002.2	185
311696.002.2.76	185
311696.002.3	185
311696.002.3.76	185
311696.002.76	185
311697.002	181
311697.002.1	181
311697.002.1.76	181
311697.002.2	181
311697.002.2.76	181
311697.002.3	181
311697.002.3.76	181
311697.002.76	181
311698.002	81
311698.002.1	81
311698.002.1.76	81
311698.002.2	81
311698.002.2.76	81
311698.002.3	81
311698.002.3.76	81
311698.002.76	81
311699.002	73
311699.002.1	73
311699.002.1.76	73
311699.002.2	73
311699.002.2.76	73
311699.002.3	73
311699.002.3.76	73
311699.002.76	73
311701.002	35
311701.002.1	35
311702.002	35
311702.002.1	35
311705.002	168
311705.002.1	168
311706.002	168
311706.002.1	168
311721.002	35
311721.002.1	35
311722.002	35
311722.002.1	35
311725.002	167
311725.002.1	167
311726.002	167
311726.002.1	167
311845.000	225
311845.000.1	225
311845.000.1.76	225
311845.000.76	225
311846.000	225
311846.000.1	225
311846.000.1.76	225
311846.000.76	225
311848.000	225
311848.000.1	225
311848.000.1.76	225
311848.000.76	225
311849.000	224
311849.000.1	224
311849.000.1.730	224
311849.000.1.76	224
311849.000.2.730	224
311849.000.730	224
311849.000.76	224
311850.002	35
311850.002.1	35
311851.002	167
311851.002.1	167
311853.002	35
311853.002.1	35
311854.002	168
311854.002.1	168
311862.002	35
311863.002	35
311865.002	35
311866.002	35
311867.002	35
311869.002	35
311870.002	167
311871.002	167
311873.002	167
311874.002	168
311875.002	168
311877.002	168
311879.0042	100
311879.0042.1	100

No.	Page
311879.0044	100
311879.0044.1	100
311879.005	100
311879.005.1	100
311880.0042	100
311880.0042.1	100
311880.0044	100
311880.0044.1	100
311880.005	100
311880.005.1	100
311881.0042	101
311881.0042.1	101
311881.0044	101
311881.0044.1	101
311881.005	101
311881.005.1	101
311882.0042	101
311882.0042.1	101
311882.0044	101
311882.0044.1	101
311882.005	101
311882.005.1	101
311907.004	259
311907.004.1	259
311907.004.1.76	259
311907.004.76	259
311908.004	259
311908.004.1	259
311908.004.1.76	259
311908.004.76	259
311910.004	259
311910.004.1	259
311910.004.1.76	259
311910.004.76	259
311911.004	258
311911.004.1	258
311911.004.1.730	258
311911.004.1.76	258
311911.004.2.730	258
311911.004.730	258
311911.004.76	258
311912.004	225
311912.004.1	225
311912.004.1.76	225
311912.004.76	225
311913.004	225
311913.004.1	225
311913.004.1.76	225
311913.004.76	225
311915.004	225
311915.004.1	225
311915.004.1.76	225
311915.004.76	225
311916.004	224
311916.004.1	224
311916.004.1.730	224
311916.004.1.76	224
311916.004.2.730	224
311916.004.730	224
311916.004.76	224
311924.002.1	186
311924.002.1.76	186
311924.002.2	186
311924.002.2.76	186
311924.002.3	186
311924.002.3.76	186
311924.002.4	186
311924.002.4.76	186
311930.002	334
311930.002.1	334
311930.002.1.76	334
311930.002.76	334
311931.002	334
311931.002.1	334
311931.002.1.76	334
311931.002.76	334
311932.002	334
311932.002.1	334
311932.002.1.76	334
311932.002.76	334
311933.002	333
311933.002.1	333
311933.002.1.76	333
311933.002.76	333
311934.002	333
311934.002.1	333
311934.002.1.76	333
311934.002.76	333
311935.002	333
311935.002.1	333
311935.002.1.76	333
311935.002.76	333
311943.002.1	82
311943.002.1.19	85
311943.002.1.191	85
311943.002.1.76	82
311943.002.2	83
311943.002.2.19	85
311943.002.2.191	85
311943.002.2.76	83
311943.002.3	82
311943.002.3.19	85
311943.002.3.191	85
311943.002.3.76	82
311943.002.4	83
311943.002.4.19	85
311943.002.4.191	85
311943.002.4.76	83
311945.002.1	82
311945.002.1.19	85
311945.002.1.191	85
311945.002.1.76	82
311945.002.2	83
311945.002.2.19	85
311945.002.2.191	85
311945.002.2.76	83
311945.002.3	82
311945.002.3.19	85
311945.002.3.191	85
311945.002.3.76	82
311945.002.4	83
311945.002.4.19	85
311945.002.4.191	85
311945.002.4.76	83
311946.002.1	82
311946.002.1.19	85
311946.002.1.191	85
311946.002.1.76	82
311946.002.2	83
311946.002.2.19	85
311946.002.2.191	85
311946.002.2.76	83
311946.002.3	82
311946.002.3.19	85
311946.002.3.191	85
311946.002.3.76	82
311946.002.4	83
311946.002.4.19	85
311946.002.4.191	85
311946.002.4.76	83
311947.002.1	82
311947.002.1.76	82
311947.002.2	83
311947.002.2.76	83
311947.002.3	82
311947.002.3.76	82
311947.002.4	83
311947.002.4.76	83
311949.002.1	74
311949.002.1.19	77
311949.002.1.191	77
311949.002.1.76	74
311949.002.2	75
311949.002.2.19	77
311949.002.2.191	77
311949.002.2.76	75
311949.002.3	74
311949.002.3.19	77
311949.002.3.191	77
311949.002.3.76	74
311949.002.4	75
311949.002.4.19	77
311949.002.4.191	77
311949.002.4.76	75
311950.002.1	74
311950.002.1.19	77
311950.002.1.191	77
311950.002.1.76	74
311950.002.2	75
311950.002.2.19	77
311950.002.2.191	77
311950.002.2.76	75
311950.002.3	74
311950.002.3.19	77
311950.002.3.191	77
311950.002.3.76	74
311950.002.4	75
311950.002.4.19	77
311950.002.4.191	77
311950.002.4.76	75
311951.002.1	74
311951.002.1.19	77
311951.002.1.191	77
311951.002.1.76	74
311951.002.2	75
311951.002.2.19	77
311951.002.2.191	77
311951.002.2.76	75
311951.002.3	74
311951.002.3.19	77
311951.002.3.191	77
311951.002.3.76	74
311951.002.4	75
311951.002.4.19	77
311951.002.4.191	77
311951.002.4.76	75
311952.002.1	74
311952.002.1.76	74
311952.002.2	75
311952.002.2.76	75
311952.002.3	74
311952.002.3.76	74
311952.002.4	75
311952.002.4.76	75
311954.002.1.76	81
311954.002.76	81
311955.002.1.76	185
311955.002.76	185
311963.002	35
311963.002.1	35
311964.002	167
311964.002.1	167
311965.002	35
311965.002.1	35
311966.002	167
311966.002.1	167
311969.002	35
311969.002.1	35
311970.002	168
311970.002.1	168
311974.002.1	186
311974.002.1.76	186
311974.002.2	186
311974.002.2.76	186
311974.002.3	186
311974.002.3.76	186
311974.002.4	186
311974.002.4.76	186
311975.002.1	186
311975.002.1.76	186
311975.002.2	186
311975.002.2.76	186
311975.002.3	186
311975.002.3.76	186
311975.002.4	186
311975.002.4.76	186
311976.002.1	186
311976.002.1.76	186
311976.002.2	186
311976.002.2.76	186
311976.002.3	186
311976.002.3.76	186
311976.002.4	186
311976.002.4.76	186
311978.002.1	182
311978.002.1.76	182
311978.002.2	182
311978.002.2.76	182
311978.002.3	182
311978.002.3.76	182
311978.002.4	182
311978.002.4.76	182
311979.002.1	182
311979.002.1.76	182
311979.002.2	182
311979.002.2.76	182
311979.002.3	182
311979.002.3.76	182
311979.002.4	182
311979.002.4.76	182
311985.002	170
311986.002	170
311987.002	170
311988.002	170
311989.004	47
311989.004.1	47
311990.004	153
311990.004.1	153
311991.004	47
311991.004.1	47
311991.004.1.730	47
311991.004.1.76	47
311991.004.730	47
311991.004.76	47
311992.004	153
311992.004.1	153
311992.004.1.730	153
311992.004.1.76	153
311992.004.730	153
311992.004.76	153
311997.000	224
311997.000.1	224
311997.000.1.730	224
311997.000.1.76	224
311997.000.2.730	224
311997.000.730	224
311997.000.76	224
311998.000	258
311998.000.1	258
311998.000.1.730	258
311998.000.1.76	258
311998.000.2.730	258
311998.000.730	258
311998.000.76	258
311999.002.1	182
311999.002.1.76	182
311999.002.2	182
311999.002.2.76	182
311999.002.3	182
311999.002.3.76	182
311999.002.4	182
311999.002.4.76	182
312084.002.1	69
312084.002.1.19	70
312084.002.1.191	70
312084.002.1.76	69
312084.002.2	69
312084.002.2.19	70
312084.002.2.191	70
312084.002.2.76	69
312084.002.3	69
312084.002.3.19	70
312084.002.3.191	70
312084.002.3.76	69
312084.002.4	69
312084.002.4.19	70
312084.002.4.191	70
312084.002.4.76	69
312085.002.1	69
312085.002.1.19	70
312085.002.1.191	70
312085.002.1.76	69
312085.002.2	69
312085.002.2.19	70
312085.002.2.191	70
312085.002.2.76	69
312085.002.3	69
312085.002.3.19	70
312085.002.3.191	70
312085.002.3.76	69
312085.002.4	69
312085.002.4.19	70
312085.002.4.191	70
312085.002.4.76	69
312086.002.1	69
312086.002.1.76	69
312086.002.2	69
312086.002.2.76	69
312086.002.3	69
312086.002.3.76	69
312086.002.4	69
312086.002.4.76	69
312087.002.1	69
312087.002.1.76	69
312087.002.2	69
312087.002.2.76	69
312087.002.3	69
312087.002.3.76	69
312087.002.4	69
312087.002.4.76	69
312088.002.1	74
312088.002.1.76	74
312088.002.2	75
312088.002.2.76	75
312088.002.3	74
312088.002.3.76	74
312088.002.4	75
312088.002.4.76	75
312089.002.1	179
312089.002.1.76	179
312089.002.2	179
312089.002.2.76	179
312089.002.3	179
312089.002.3.76	179
312089.002.4	179
312089.002.4.76	179
312090.002.1	179
312090.002.1.76	179
312090.002.2	179
312090.002.2.76	179
312090.002.3	179
312090.002.3.76	179
312090.002.4	179
312090.002.4.76	179
312091.002.1	179
312091.002.1.76	179
312091.002.2	179
312091.002.2.76	179
312091.002.3	179
312091.002.3.76	179
312091.002.4	179
312091.002.4.76	179
312092.002.1	82
312092.002.1.76	82
312092.002.2	83
312092.002.2.76	83
312092.002.3	82
312092.002.3.76	82
312092.002.4	83
312092.002.4.76	83
312093.002.1	186
312093.002.1.76	186
312093.002.2	186
312093.002.2.76	186
312093.002.3	186
312093.002.3.76	186
312093.002.4	186
312093.002.4.76	186
312094.002	163
312094.002.1	163
312094.002.1.76	163
312094.002.76	163
312095.002	163
312095.002.1	163
312095.002.1.76	163
312095.002.76	163
312096.002.1	82
312096.002.1.76	82
312096.002.2	83
312096.002.2.76	83
312096.002.3	82
312096.002.3.76	82
312096.002.4	83
312096.002.4.76	83
312097.002.1	186

No.	Page
312097.002.1.76	186
312097.002.2	186
312097.002.2.76	186
312097.002.3	186
312097.002.3.76	186
312097.002.4	186
312097.002.4.76	186
312105.002	163
312105.002.1	163
312105.002.1.76	163
312105.002.76	163
312106.002	163
312106.002.1	163
312107.002	163
312107.002.1	163
312107.002.1.76	163
312107.002.76	163
312108.002	163
312108.002.1	163
312108.002.1.76	163
312108.002.76	163
312109.002	163
312109.002.1	163
312109.002.1.76	163
312109.002.76	163
312110.002	163
312110.002.1	163
312110.002.1.76	163
312110.002.76	163
312111.002	163
312111.002.1	163
312112.002	163
312112.002.1	163
312112.002.1.76	163
312112.002.76	163
312113.002	163
312113.002.1	163
312113.002.1.76	163
312113.002.76	163
312114.002	163
312114.002.1	163
312114.002.1.76	163
312114.002.76	163
312115.002	161
312115.002.1	161
312115.002.1.76	161
312115.002.76	161
312116.002	161
312116.002.1	161
312116.002.1.76	161
312116.002.76	161
312118.002	161
312118.002.1	161
312119.002	161
312119.002.1	161
312119.002.1.76	161
312119.002.76	161
312120.002	161
312120.002.1	161
312120.002.1.76	161
312120.002.76	161
312121.002	161
312121.002.1	161
312121.002.1.76	161
312121.002.76	161
312122.002	161
312122.002.1	161
312122.002.1.76	161
312122.002.76	161
312123.002	161
312123.002.1	161
312123.002.1.76	161
312123.002.76	161
312124.002	161
312124.002.1	161
312125.002	161
312125.002.1	161
312125.002.1.76	161
312125.002.76	161
312126.002	161
312126.002.1	161
312126.002.1.76	161
312126.002.76	161
312127.002	161
312127.002.1	161
312127.002.1.76	161
312127.002.76	161
312128.002	122
312128.002.1	122
312128.002.1.76	122
312128.002.76	122
312129.002	122
312129.002.1	122
312129.002.1.76	122
312129.002.76	122
312130.002	122
312130.002.1	122
312130.002.1.76	122
312130.002.76	122
312131.002	122
312131.002.1	122
312131.002.1.76	122
312131.002.76	122
312132.002	60
312132.002.1	60
312132.002.1.19	61
312132.002.1.191	61
312132.002.1.76	60
312132.002.19	61
312132.002.191	61
312132.002.76	60
312132.0031	60
312132.0031.1	60
312132.0031.1.19	61
312132.0031.1.191	61
312132.0031.1.76	60
312132.0031.19	61
312132.0031.191	61
312132.0031.76	60
312132.004	60
312132.004.1	60
312132.004.1.19	61
312132.004.1.191	61
312132.004.1.76	60
312132.004.19	61
312132.004.191	61
312132.004.76	60
312133.002	60
312133.002.1	60
312133.002.1.19	61
312133.002.1.191	61
312133.002.1.730	60
312133.002.1.76	60
312133.002.19	61
312133.002.191	61
312133.002.730	60
312133.002.76	60
312133.0031	60
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312133.0031.1.19	61
312133.0031.1.191	61
312133.0031.1.730	60
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312133.0031.19	61
312133.0031.191	61
312133.0031.730	60
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312133.004	60
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312133.004.1.19	61
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312133.004.1.730	60
312133.004.1.76	60
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312133.004.730	60
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312134.004.1.76	60
312134.004.76	60
312135.002	62
312135.002.1	62
312135.002.1.19	63
312135.002.1.191	63
312135.002.1.76	62
312135.002.19	63
312135.002.191	63
312135.002.2	62
312135.002.2.19	63
312135.002.2.191	63
312135.002.2.76	62
312135.002.3	62
312135.002.3.19	63
312135.002.3.191	63
312135.002.3.76	62
312135.002.76	62
312135.0031	62
312135.0031.1	62
312135.0031.1.19	63
312135.0031.1.191	63
312135.0031.1.76	62
312135.0031.19	63
312135.0031.191	63
312135.0031.2	62
312135.0031.2.19	63
312135.0031.2.191	63
312135.0031.2.76	62
312135.0031.3	62
312135.0031.3.19	63
312135.0031.3.191	63
312135.0031.3.76	62
312135.0031.76	62
312135.004	62
312135.004.1	62
312135.004.1.19	63
312135.004.1.191	63
312135.004.1.76	62
312135.004.19	63
312135.004.191	63
312135.004.2	62
312135.004.2.19	63
312135.004.2.191	63
312135.004.2.76	62
312135.004.3	62
312135.004.3.19	63
312135.004.3.191	63
312135.004.3.76	62
312135.004.76	62
312136.002	62
312136.002.1	62
312136.002.1.19	63
312136.002.1.191	63
312136.002.1.730	62
312136.002.1.76	62
312136.002.19	63
312136.002.191	63
312136.002.2	62
312136.002.2.19	63
312136.002.2.191	63
312136.002.2.730	62
312136.002.2.76	62
312136.002.3	62
312136.002.3.19	63
312136.002.3.191	63
312136.002.3.730	62
312136.002.3.76	62
312136.002.730	62
312136.002.76	62
312136.0031	62
312136.0031.1	62
312136.0031.1.19	63
312136.0031.1.191	63
312136.0031.1.730	62
312136.0031.1.76	62
312136.0031.19	63
312136.0031.191	63
312136.0031.2	62
312136.0031.2.19	63
312136.0031.2.191	63
312136.0031.2.730	62
312136.0031.2.76	62
312136.0031.3	62
312136.0031.3.19	63
312136.0031.3.191	63
312136.0031.3.730	62
312136.0031.3.76	62
312136.0031.730	62
312136.0031.76	62
312136.004	62
312136.004.1	62
312136.004.1.19	63
312136.004.1.191	63
312136.004.1.730	62
312136.004.1.76	62
312136.004.19	63
312136.004.191	63
312136.004.2	62
312136.004.2.19	63
312136.004.2.191	63
312136.004.2.730	62
312136.004.2.76	62
312136.004.3	62
312136.004.3.19	63
312136.004.3.191	63
312136.004.3.730	62
312136.004.3.76	62
312136.004.730	62
312136.004.76	62
312137.002	62
312137.002.1	62
312137.002.1.76	62
312137.002.2	62
312137.002.2.76	62
312137.002.3	62
312137.002.3.76	62
312137.002.76	62
312137.0031	62
312137.0031.1	62
312137.0031.1.76	62
312137.0031.2	62
312137.0031.2.76	62
312137.0031.3	62
312137.0031.3.76	62
312137.0031.76	62
312137.004	62
312137.004.1	62
312137.004.1.76	62
312137.004.2	62
312137.004.2.76	62
312137.004.3	62
312137.004.3.76	62
312137.004.76	62
312138.002	274
312138.002.1	274
312138.002.1.19	274
312138.002.19	274
312138.003	274
312138.003.1	274
312138.003.1.19	274
312138.003.19	274
312138.0045	274
312138.0045.1	274
312138.0045.1.19	274
312138.0045.19	274
312139.002	274
312139.002.1	274
312139.002.1.19	274
312139.002.19	274
312139.003	274
312139.003.1	274
312139.003.1.19	274
312139.003.19	274
312139.0045	274
312139.0045.1	274
312139.0045.1.19	274
312139.0045.19	274
312156.002	229
312156.002.1	229
312156.002.1.76	229
312156.002.76	229
312157.002	263
312157.002.1	263
312157.002.1.76	263
312157.002.76	263
312158.002	263
312158.002.1	263
312158.002.1.76	263
312158.002.76	263
312159.002	263
312159.002.1	263
312159.002.1.76	263
312159.002.76	263
312174.002	60
312174.002.1	60
312174.002.1.730	60
312174.002.1.76	60
312174.002.730	60
312174.002.76	60
312174.0031	60
312174.0031.1	60
312174.0031.1.730	60
312174.0031.1.76	60
312174.0031.730	60
312174.0031.76	60
312174.004	60
312174.004.1	60
312174.004.1.730	60
312174.004.1.76	60
312174.004.730	60
312174.004.76	60
312175.002	62
312175.002.1	62
312175.002.1.730	62
312175.002.1.76	62
312175.002.2	62
312175.002.2.730	62
312175.002.2.76	62
312175.002.3	62
312175.002.3.730	62
312175.002.3.76	62
312175.002.730	62
312175.002.76	62
312175.0031	62
312175.0031.1	62
312175.0031.1.730	62
312175.0031.1.76	62
312175.0031.2	62
312175.0031.2.730	62
312175.0031.2.76	62
312175.0031.3	62
312175.0031.3.730	62
312175.0031.3.76	62
312175.0031.730	62
312175.0031.76	62
312175.004	62
312175.004.1	62
312175.004.1.730	62
312175.004.1.76	62
312175.004.2	62
312175.004.2.730	62
312175.004.2.76	62
312175.004.3	62
312175.004.3.730	62
312175.004.3.76	62
312175.004.730	62
312175.004.76	62
312176.002	287
312176.002.1	287
312176.002.1.76	287
312176.002.76	287
312177.002	287
312177.002.1	287
312177.002.1.76	287
312177.002.76	287
312178.002	287
312178.002.1	287
312178.002.1.76	287
312178.002.76	287
312179.002	287
312179.002.1	287
312179.002.1.76	287
312179.002.76	287
312184.002	233
312184.002.1	233
312185.002	233
312185.002.1	233

No.	Page
312186.002	233
312186.002.1	233
312187.002	233
312187.002.1	233
312188.002	233
312188.002.1	233
312189.002	233
312189.002.1	233
312190.002	288
312190.002.1	288
312190.002.1.76	288
312190.002.76	288
312191.002	288
312191.002.1	288
312191.002.1.76	288
312191.002.76	288
312192.002	288
312192.002.1	288
312192.002.1.76	288
312192.002.76	288
312193.002	288
312193.002.1	288
312193.002.1.76	288
312193.002.76	288
312194.002	288
312194.002.1	288
312194.002.1.76	288
312194.002.76	288
312195.002	288
312195.002.1	288
312195.002.1.76	288
312195.002.76	288
312196.002	289
312196.002.1	289
312196.002.1.76	289
312196.002.76	289
312197.002	289
312197.002.1	289
312197.002.1.76	289
312197.002.76	289
312198.002	289
312198.002.1	289
312198.002.1.76	289
312198.002.76	289
312199.002	289
312199.002.1	289
312199.002.1.76	289
312199.002.76	289
312200.002	289
312200.002.1	289
312200.002.1.76	289
312200.002.76	289
312201.002	289
312201.002.1	289
312201.002.1.76	289
312201.002.76	289
312208.002	290
312208.002.1	290
312208.002.1.76	290
312208.002.76	290
312209.002	290
312209.002.1	290
312209.002.1.76	290
312209.002.76	290
312210.002	290
312210.002.1	290
312210.002.1.76	290
312210.002.76	290
312211.002	290
312211.002.1	290
312211.002.1.76	290
312211.002.76	290
312212.002	290
312212.002.1	290
312212.002.1.76	290
312212.002.76	290
312213.002	290
312213.002.1	290
312213.002.1.76	290
312213.002.76	290
312220.002	291
312220.002.1	291
312220.002.1.76	291
312220.002.76	291
312221.002	291
312221.002.1	291
312221.002.1.76	291
312221.002.76	291
312222.002	291
312222.002.1	291
312222.002.1.76	291
312222.002.76	291
312223.002	291
312223.002.1	291
312223.002.1.76	291
312223.002.76	291
312224.002	291
312224.002.1	291
312224.002.1.76	291
312224.002.76	291
312224.003	291
312224.003.1	291
312224.003.1.76	291
312224.003.76	291
312224.0045	291
312224.0045.1	291
312224.0045.1.76	291
312224.0045.76	291
312225.002	291
312225.002.1	291
312225.002.1.76	291
312225.002.76	291
312225.003	291
312225.003.1	291
312225.003.1.76	291
312225.003.76	291
312225.0045	291
312225.0045.1	291
312225.0045.1.76	291
312225.0045.76	291
312226.000	284
312226.000.1	284
312226.000.1.76	284
312226.000.76	284
312226.002	284
312226.002.1	284
312226.002.1.76	284
312226.002.76	284
312227.000	284
312227.000.1	284
312227.000.1.76	284
312227.000.76	284
312227.002	284
312227.002.1	284
312227.002.1.76	284
312227.002.76	284
312228.000	284
312228.000.1	284
312228.000.1.76	284
312228.000.76	284
312228.002	284
312228.002.1	284
312228.002.1.76	284
312228.002.76	284
312229.000	284
312229.000.1	284
312229.000.1.76	284
312229.000.76	284
312229.002	284
312229.002.1	284
312229.002.1.76	284
312229.002.76	284
312230.000	284
312230.000.1	284
312230.000.1.76	284
312230.000.76	284
312230.002	284
312230.002.1	284
312230.002.1.76	284
312230.002.76	284
312231.000	284
312231.000.1	284
312231.000.1.76	284
312231.000.76	284
312231.002	284
312231.002.1	284
312231.002.1.76	284
312231.002.76	284
312232.000	283
312232.000.1	283
312232.000.1.76	283
312232.000.76	283
312232.002	283
312232.002.1	283
312232.002.1.76	283
312232.002.76	283
312233.000	283
312233.000.1	283
312233.000.1.76	283
312233.000.76	283
312233.002	283
312233.002.1	283
312233.002.1.76	283
312233.002.76	283
312234.000	283
312234.000.1	283
312234.000.1.76	283
312234.000.76	283
312234.002	283
312234.002.1	283
312234.002.1.76	283
312235.000	283
312235.000.1	283
312235.000.1.76	283
312235.000.76	283
312235.002	283
312235.002.1	283
312235.002.1.76	283
312235.002.76	283
312236.000	283
312236.000.1	283
312236.000.1.76	283
312236.000.76	283
312236.002	283
312236.002.1	283
312236.002.1.76	283
312236.002.76	283
312237.000	283
312237.000.1	283
312237.000.1.76	283
312237.000.76	283
312237.002	283
312237.002.1	283
312237.002.1.76	283
312237.002.76	283
312238.000	283
312238.000.1	283
312238.000.1.76	283
312238.000.76	283
312238.002	283
312238.002.1	283
312238.002.1.76	283
312238.002.76	283
312239.000	283
312239.000.1	283
312239.000.1.76	283
312239.000.76	283
312239.002	283
312239.002.1	283
312239.002.1.76	283
312239.002.76	283
312240.002.1	69
312240.002.1.76	69
312240.002.2	69
312240.002.2.76	69
312240.002.3	69
312240.002.3.76	69
312240.002.4	69
312240.002.4.76	69
312241.002.1	179
312241.002.1.76	179
312241.002.2	179
312241.002.2.76	179
312241.002.3	179
312241.002.3.76	179
312241.002.4	179
312241.002.4.76	179
312242.002.1	74
312242.002.1.76	74
312242.002.2	75
312242.002.2.76	75
312242.002.3	74
312242.002.3.76	74
312242.002.4	75
312242.002.4.76	75
312243.002.1	182
312243.002.1.76	182
312243.002.2	182
312243.002.2.76	182
312243.002.3	182
312243.002.3.76	182
312243.002.4	182
312243.002.4.76	182
312244.002.1	82
312244.002.1.76	82
312244.002.2	83
312244.002.2.76	83
312244.002.3	82
312244.002.3.76	82
312244.002.4	83
312244.002.4.76	83
312245.002.1	186
312245.002.1.76	186
312245.002.2	186
312245.002.2.76	186
312245.002.3	186
312245.002.3.76	186
312245.002.4	186
312245.002.4.76	186
312246.0045	188
312246.0045.1	188
312246.0045.1.76	188
312246.0045.76	188
312247.0045	188
312247.0045.1	188
312247.0045.1.76	188
312247.0045.76	188
312248.002	270
312248.002.1	270
312248.002.1.19	270
312248.002.19	270
312248.003	270
312248.003.1	270
312248.003.1.19	270
312248.003.19	270
312248.0045	270
312248.0045.1	270
312248.0045.1.19	270
312248.0045.19	270
312249.002	270
312249.002.1	270
312249.002.1.19	270
312249.002.19	270
312249.003	270
312249.003.1	270
312249.003.1.19	270
312249.003.19	270
312249.0045	270
312249.0045.1	270
312249.0045.1.19	270
312249.0045.19	270
312251.000	23
312251.000.1	23
312251.000.1.19	23
312251.000.1.191	23
312251.000.1.76	23
312251.000.19	23
312251.000.191	23
312251.000.76	23
312252.000	25
312252.000.1	25
312252.000.1.19	25
312252.000.1.191	25
312252.000.1.76	25
312252.000.19	25
312252.000.191	25
312252.000.76	25
312253.000	53
312253.000.1	53
312253.000.1.76	53
312253.000.76	53
312254.000	155
312254.000.1	155
312254.000.1.76	155
312254.000.76	155
312255.000	157
312255.000.1	157
312255.000.1.76	157
312255.000.76	157
312256.000	159
312256.000.1	159
312256.000.1.76	159
312256.000.76	159
312257.000	23
312257.000.1	23
312257.000.1.76	23
312257.000.76	23
312258.000	25
312258.000.1	25
312258.000.1.76	25
312258.000.76	25
312259.000	155
312259.000.1	155
312259.000.1.76	155
312259.000.76	155
312260.000	157
312260.000.1	157
312260.000.1.76	157
312260.000.76	157
312261.004	147
312261.004.1	147
312261.004.1.730	147
312261.004.1.76	147
312261.004.2.730	147
312261.004.730	147
312261.004.76	147
312262.002	245
312262.002.1	245
312262.002.1.19	245
312262.002.1.730	245
312262.002.1.76	245
312262.002.19	245
312262.002.2.730	245
312262.002.2.76	245
312262.002.730	245
312262.002.76	245
312263.002	246
312263.002.1	246
312263.002.1.730	246
312263.002.1.76	246
312263.002.730	246
312263.002.76	246
312264.002	245
312264.002.1	245
312264.002.1.19	245
312264.002.1.730	245
312264.002.1.76	245
312264.002.19	245
312264.002.2.730	245
312264.002.2.76	245
312264.002.730	245
312264.002.76	245
312265.002	246
312265.002.1	246
312265.002.1.730	246
312265.002.1.76	246
312265.002.730	246
312265.002.76	246
312267.004	223
312267.004.1	223
312267.004.1.76	223
312267.004.76	223
312268.004	223
312268.004.1	223
312268.004.1.76	223
312268.004.2.730	223
312268.004.76	223
312269.004	223
312269.004.1	223
312269.004.1.76	223
312269.004.2.730	223
312269.004.76	223
312270.004	257
312270.004.1	257
312270.004.1.76	257

No.	Page
312270.004.2.730	257
312270.004.76	257
312271.004	257
312271.004.1	257
312271.004.1.76	257
312271.004.2.730	257
312271.004.76	257
312272.002	200
312272.002.1	200
312272.002.1.76	200
312272.002.2.730	200
312272.002.76	200
312273.002	200
312273.002.1	200
312273.002.1.76	200
312273.002.2.730	200
312273.002.76	200
312274.002	200
312274.002.1	200
312274.002.1.76	200
312274.002.2.730	200
312274.002.76	200
312275.002	200
312275.002.1	200
312275.002.1.76	200
312275.002.2.730	200
312275.002.76	200
312276.002	270
312276.002.1	270
312276.002.1.19	270
312276.002.19	270
312276.002.2	270
312276.002.2.19	270
312276.003	270
312276.003.1	270
312276.003.1.19	270
312276.003.19	270
312276.003.2	270
312276.003.2.19	270
312276.0045	270
312276.0045.1	270
312276.0045.1.19	270
312276.0045.19	270
312276.0045.2	270
312276.0045.2.19	270
312277.002	270
312277.002.1	270
312277.002.1.19	270
312277.002.19	270
312277.002.2	270
312277.002.2.19	270
312277.003	270
312277.003.1	270
312277.003.1.19	270
312277.003.19	270
312277.003.2	270
312277.003.2.19	270
312277.0045	270
312277.0045.1	270
312277.0045.1.19	270
312277.0045.19	270
312277.0045.2	270
312277.0045.2.19	270
312278.002	270
312278.002.1	270
312278.002.1.19	270
312278.002.19	270
312278.002.2	270
312278.002.2.19	270
312278.003	270
312278.003.1	270
312278.003.1.19	270
312278.003.19	270
312278.003.2	270
312278.003.2.19	270
312278.0045	270
312278.0045.1	270
312278.0045.1.19	270
312278.0045.19	270
312278.0045.2	270
312278.0045.2.19	270
312279.002	270
312279.002.1	270
312279.002.1.19	270
312279.002.19	270
312279.002.2	270
312279.002.2.19	270
312279.003	270
312279.003.1	270
312279.003.1.19	270
312279.003.19	270
312279.003.2	270
312279.003.2.19	270
312279.0045	270
312279.0045.1	270
312279.0045.1.19	270
312279.0045.19	270
312279.0045.2	270
312279.0045.2.19	270
312280.002	328
312280.002.1	328
312280.002.1.76	328
312280.002.76	328
312281.002	328
312281.002.1	328
312281.002.1.76	328
312281.002.76	328
312282.002	330
312282.002.1	330
312282.002.1.76	330
312282.002.76	330
312283.002	328
312283.002.1	328
312283.002.1.76	328
312283.002.76	328
312284.002	330
312284.002.1	330
312284.002.1.76	330
312284.002.76	330
312285.002	329
312285.002.1	329
312285.002.1.76	329
312285.002.76	329
312286.002	331
312286.002.1	331
312286.002.1.76	331
312286.002.76	331
312287.002	329
312287.002.1	329
312287.002.1.76	329
312287.002.76	329
312288.002	331
312288.002.1	331
312288.002.1.76	331
312288.002.76	331
312289.002	330
312289.002.1	330
312289.002.1.76	330
312289.002.76	330
312290.002	217
312290.002.1	217
312290.002.1.730	217
312290.002.1.76	217
312290.002.730	217
312290.002.76	217
312290.0031	217
312290.0031.1	217
312290.0031.1.730	217
312290.0031.1.76	217
312290.0031.730	217
312290.0031.76	217
312290.004	217
312290.004.1	217
312290.004.1.730	217
312290.004.1.76	217
312290.004.730	217
312290.004.76	217
312291.002	217
312291.002.1	217
312291.002.1.730	217
312291.002.1.76	217
312291.002.730	217
312291.002.76	217
312291.0031	217
312291.0031.1	217
312291.0031.1.730	217
312291.0031.1.76	217
312291.0031.730	217
312291.0031.76	217
312291.004	217
312291.004.1	217
312291.004.1.730	217
312291.004.1.76	217
312291.004.730	217
312291.004.76	217
312292.002	217
312292.002.1	217
312292.002.1.730	217
312292.002.1.76	217
312292.002.730	217
312292.002.76	217
312292.0031	217
312292.0031.1	217
312292.0031.1.730	217
312292.0031.1.76	217
312292.0031.730	217
312292.0031.76	217
312292.004	217
312292.004.1	217
312292.004.1.730	217
312292.004.1.76	217
312292.004.730	217
312292.004.76	217
312293.002	253
312293.002.1	253
312293.002.1.730	253
312293.002.1.76	253
312293.002.730	253
312293.002.76	253
312293.0031	253
312293.0031.1	253
312293.0031.1.730	253
312293.0031.1.76	253
312293.0031.730	253
312293.0031.76	253
312293.004	253
312293.004.1	253
312293.004.1.730	253
312293.004.1.76	253
312293.004.730	253
312293.004.76	253
312294.002	253
312294.002.1	253
312294.002.1.730	253
312294.002.1.76	253
312294.002.730	253
312294.002.76	253
312294.0031	253
312294.0031.1	253
312294.0031.1.730	253
312294.0031.1.76	253
312294.0031.730	253
312294.0031.76	253
312294.004	253
312294.004.1	253
312294.004.1.730	253
312294.004.1.76	253
312294.004.730	253
312294.004.76	253
312295.002	253
312295.002.1	253
312295.002.1.730	253
312295.002.1.76	253
312295.002.730	253
312295.002.76	253
312295.0031	253
312295.0031.1	253
312295.0031.1.730	253
312295.0031.1.76	253
312295.0031.730	253
312295.0031.76	253
312295.004	253
312295.004.1	253
312295.004.1.730	253
312295.004.1.76	253
312295.004.730	253
312295.004.76	253
312296.002	215
312296.002.1	215
312296.002.1.730	215
312296.002.1.76	215
312296.002.2.730	215
312296.002.730	215
312296.002.76	215
312296.0031	215
312296.0031.1	215
312296.0031.1.730	215
312296.0031.1.76	215
312296.0031.2.730	215
312296.0031.730	215
312296.0031.76	215
312296.004	215
312296.004.1	215
312296.004.1.730	215
312296.004.1.76	215
312296.004.2.730	215
312296.004.730	215
312296.004.76	215
312297.002	215
312297.002.1	215
312297.002.1.730	215
312297.002.1.76	215
312297.002.2.730	215
312297.002.730	215
312297.002.76	215
312297.0031	215
312297.0031.1	215
312297.0031.1.730	215
312297.0031.1.76	215
312297.0031.2.730	215
312297.0031.730	215
312297.0031.76	215
312297.004	215
312297.004.1	215
312297.004.1.730	215
312297.004.1.76	215
312297.004.2.730	215
312297.004.730	215
312297.004.76	215
312298.002	251
312298.002.1	251
312298.002.1.730	251
312298.002.1.76	251
312298.002.2.730	251
312298.002.730	251
312298.002.76	251
312298.0031	251
312298.0031.1	251
312298.0031.1.730	251
312298.0031.1.76	251
312298.0031.2.730	251
312298.0031.730	251
312298.0031.76	251
312298.004	251
312298.004.1	251
312298.004.1.730	251
312298.004.1.76	251
312298.004.2.730	251
312298.004.730	251
312298.004.76	251
312299.002	215
312299.002.1	215
312299.002.1.730	215
312299.002.1.76	215
312299.002.2.730	215
312299.002.730	215
312299.002.76	215
312299.0031	215
312299.0031.1	215
312299.0031.1.730	215
312299.0031.1.76	215
312299.0031.2.730	215
312299.0031.730	215
312299.0031.76	215
312299.004	215
312299.004.1	215
312299.004.1.730	215
312299.004.1.76	215
312299.004.2.730	215
312299.004.730	215
312299.004.76	215
312300.002	215
312300.002.1	215
312300.002.1.730	215
312300.002.1.76	215
312300.002.2.730	215
312300.002.730	215
312300.002.76	215
312300.0031	215
312300.0031.1	215
312300.0031.1.730	215
312300.0031.1.76	215
312300.0031.2.730	215
312300.0031.730	215
312300.0031.76	215
312300.004	215
312300.004.1	215
312300.004.1.730	215
312300.004.1.76	215
312300.004.2.730	215
312300.004.730	215
312300.004.76	215
312301.002	251
312301.002.1	251
312301.002.1.730	251
312301.002.1.76	251
312301.002.2.730	251
312301.002.730	251
312301.002.76	251
312301.0031	251
312301.0031.1	251
312301.0031.1.730	251
312301.0031.1.76	251
312301.0031.2.730	251
312301.0031.730	251
312301.0031.76	251
312301.004	251
312301.004.1	251
312301.004.1.730	251
312301.004.1.76	251
312301.004.2.730	251
312301.004.730	251
312301.004.76	251
312302.002	215
312302.002.1	215
312302.002.1.730	215
312302.002.1.76	215
312302.002.2.730	215
312302.002.730	215
312302.002.76	215
312302.0031	215
312302.0031.1	215
312302.0031.1.730	215
312302.0031.1.76	215
312302.0031.2.730	215
312302.0031.730	215
312302.0031.76	215
312302.004	215
312302.004.1	215
312302.004.1.730	215
312302.004.1.76	215
312302.004.2.730	215
312302.004.730	215
312302.004.76	215
312303.002	215
312303.002.1	215
312303.002.1.730	215
312303.002.1.76	215
312303.002.2.730	215
312303.002.730	215
312303.002.76	215
312303.0031	215
312303.0031.1	215
312303.0031.1.730	215
312303.0031.1.76	215
312303.0031.2.730	215
312303.0031.730	215
312303.0031.76	215
312303.004	215
312303.004.1	215
312303.004.1.730	215
312303.004.1.76	215
312303.004.2.730	215
312303.004.730	215
312303.004.76	215

No.	Page
312304.002	251
312304.002.1	251
312304.002.1.730	251
312304.002.1.76	251
312304.002.2.730	251
312304.002.730	251
312304.002.76	251
312304.0031	251
312304.0031.1	251
312304.0031.1.730	251
312304.0031.1.76	251
312304.0031.2.730	251
312304.0031.730	251
312304.0031.76	251
312304.004	251
312304.004.1	251
312304.004.1.730	251
312304.004.1.76	251
312304.004.2.730	251
312304.004.730	251
312304.004.76	251
312305.002	296
312305.002.1	296
312305.002.1.76	296
312305.002.76	296
312305.003	296
312305.003.1	296
312305.003.1.76	296
312305.003.76	296
312305.0045	296
312305.0045.1	296
312305.0045.1.76	296
312305.0045.76	296
312306.002	296
312306.002.1	296
312306.002.1.76	296
312306.002.76	296
312306.003	296
312306.003.1	296
312306.003.1.76	296
312306.003.76	296
312306.0045	296
312306.0045.1	296
312306.0045.1.76	296
312306.0045.76	296
312307.002	296
312307.002.1	296
312307.002.1.76	296
312307.002.76	296
312307.003	296
312307.003.1	296
312307.003.1.76	296
312307.003.76	296
312307.0045	296
312307.0045.1	296
312307.0045.1.76	296
312307.0045.76	296
312308.002	296
312308.002.1	296
312308.002.1.76	296
312308.002.76	296
312308.003	296
312308.003.1	296
312308.003.1.76	296
312308.003.76	296
312308.0045	296
312308.0045.1	296
312308.0045.1.76	296
312308.0045.76	296
312309.002	296
312309.002.1	296
312309.002.1.76	296
312309.002.76	296
312309.003	296
312309.003.1	296
312309.003.1.76	296
312309.003.76	296
312309.0045	296
312309.0045.1	296
312309.0045.1.76	296
312309.0045.76	296
312311.002	297
312311.002.1	297
312311.002.1.76	297
312311.002.76	297
312311.003	297
312311.003.1	297
312311.003.1.76	297
312311.003.76	297
312311.0045	297
312311.0045.1	297
312311.0045.1.76	297
312311.0045.76	297
312312.002	297
312312.002.1	297
312312.002.1.76	297
312312.002.76	297
312312.003	297
312312.003.1	297
312312.003.1.76	297
312312.003.76	297
312312.0045	297
312312.0045.1	297
312312.0045.1.76	297
312312.0045.76	297
312313.002	297
312313.002.1	297
312313.002.1.76	297
312313.002.76	297
312313.003	297
312313.003.1	297
312313.003.1.76	297
312313.003.76	297
312313.0045	297
312313.0045.1	297
312313.0045.1.76	297
312313.0045.76	297
312314.002	297
312314.002.1	297
312314.002.1.76	297
312314.002.76	297
312314.003	297
312314.003.1	297
312314.003.1.76	297
312314.003.76	297
312314.0045	297
312314.0045.1	297
312314.0045.1.76	297
312314.0045.76	297
312315.002	297
312315.002.1	297
312315.002.1.76	297
312315.002.76	297
312315.003	297
312315.003.1	297
312315.003.1.76	297
312315.003.76	297
312315.0045	297
312315.0045.1	297
312315.0045.1.76	297
312315.0045.76	297
312317.002	298
312317.002.1	298
312317.002.1.76	298
312317.002.76	298
312317.003	298
312317.003.1	298
312317.003.1.76	298
312317.003.76	298
312317.0045	298
312317.0045.1	298
312317.0045.1.76	298
312317.0045.76	298
312318.002	298
312318.002.1	298
312318.002.1.76	298
312318.002.76	298
312318.003	298
312318.003.1	298
312318.003.1.76	298
312318.003.76	298
312318.0045	298
312318.0045.1	298
312318.0045.1.76	298
312318.0045.76	298
312319.002	298
312319.002.1	298
312319.002.1.76	298
312319.002.76	298
312319.003	298
312319.003.1	298
312319.003.1.76	298
312319.003.76	298
312319.0045	298
312319.0045.1	298
312319.0045.1.76	298
312319.0045.76	298
312320.002	298
312320.002.1	298
312320.002.1.76	298
312320.002.76	298
312320.003	298
312320.003.1	298
312320.003.1.76	298
312320.003.76	298
312320.0045	298
312320.0045.1	298
312320.0045.1.76	298
312320.0045.76	298
312321.002	298
312321.002.1	298
312321.002.1.76	298
312321.002.76	298
312321.003	298
312321.003.1	298
312321.003.1.76	298
312321.003.76	298
312321.0045	298
312321.0045.1	298
312321.0045.1.76	298
312321.0045.76	298
312323.002	295
312323.002.1	295
312323.002.1.76	295
312323.002.76	295
312323.003	295
312323.003.1	295
312323.003.1.76	295
312323.003.76	295
312323.0045	295
312323.0045.1	295
312323.0045.1.76	295
312323.0045.76	295
312324.002	295
312324.002.1	295
312324.002.1.76	295
312324.002.76	295
312324.003	295
312324.003.1	295
312324.003.1.76	295
312324.003.76	295
312324.0045	295
312324.0045.1	295
312324.0045.1.76	295
312324.0045.76	295
312325.002	295
312325.002.1	295
312325.002.1.76	295
312325.002.76	295
312325.003	295
312325.003.1	295
312325.003.1.76	295
312325.003.76	295
312325.0045	295
312325.0045.1	295
312325.0045.1.76	295
312325.0045.76	295
312326.002	295
312326.002.1	295
312326.002.1.76	295
312326.002.76	295
312326.003	295
312326.003.1	295
312326.003.1.76	295
312326.003.76	295
312326.0045	295
312326.0045.1	295
312326.0045.1.76	295
312326.0045.76	295
312327.002	295
312327.002.1	295
312327.002.1.76	295
312327.002.76	295
312327.003	295
312327.003.1	295
312327.003.1.76	295
312327.003.76	295
312327.0045	295
312327.0045.1	295
312327.0045.1.76	295
312327.0045.76	295
312329.002	296
312329.002.1	296
312329.002.1.76	296
312329.002.76	296
312329.003	296
312329.003.1	296
312329.003.1.76	296
312329.003.76	296
312329.0045	296
312329.0045.1	296
312329.0045.1.76	296
312329.0045.76	296
312330.002	296
312330.002.1	296
312330.002.1.76	296
312330.002.76	296
312330.003	296
312330.003.1	296
312330.003.1.76	296
312330.003.76	296
312330.0045	296
312330.0045.1	296
312330.0045.1.76	296
312330.0045.76	296
312331.002	296
312331.002.1	296
312331.002.1.76	296
312331.002.76	296
312331.003	296
312331.003.1	296
312331.003.1.76	296
312331.003.76	296
312331.0045	296
312331.0045.1	296
312331.0045.1.76	296
312331.0045.76	296
312332.002	296
312332.002.1	296
312332.002.1.76	296
312332.002.76	296
312332.003	296
312332.003.1	296
312332.003.1.76	296
312332.003.76	296
312332.0045	296
312332.0045.1	296
312332.0045.1.76	296
312332.0045.76	296
312333.002	296
312333.002.1	296
312333.002.1.76	296
312333.002.76	296
312333.003	296
312333.003.1	296
312333.003.1.76	296
312333.003.76	296
312333.0045	296
312333.0045.1	296
312333.0045.1.76	296
312333.0045.76	296
312335.002	297
312335.002.1	297
312335.002.1.76	297
312335.002.76	297
312335.003	297
312335.003.1	297
312335.003.1.76	297
312335.003.76	297
312335.0045	297
312335.0045.1	297
312335.0045.1.76	297
312335.0045.76	297
312336.002	297
312336.002.1	297
312336.002.1.76	297
312336.002.76	297
312336.003	297
312336.003.1	297
312336.003.1.76	297
312336.003.76	297
312336.0045	297
312336.0045.1	297
312336.0045.1.76	297
312336.0045.76	297
312337.002	297
312337.002.1	297
312337.002.1.76	297
312337.002.76	297
312337.003	297
312337.003.1	297
312337.003.1.76	297
312337.003.76	297
312337.0045	297
312337.0045.1	297
312337.0045.1.76	297
312337.0045.76	297
312338.002	297
312338.002.1	297
312338.002.1.76	297
312338.002.76	297
312338.003	297
312338.003.1	297
312338.003.1.76	297
312338.003.76	297
312338.0045	297
312338.0045.1	297
312338.0045.1.76	297
312338.0045.76	297
312339.002	297
312339.002.1	297
312339.002.1.76	297
312339.002.76	297
312339.003	297
312339.003.1	297
312339.003.1.76	297
312339.003.76	297
312339.0045	297
312339.0045.1	297
312339.0045.1.76	297
312339.0045.76	297
312341.002	298
312341.002.1	298
312341.002.1.76	298
312341.002.76	298
312341.003	298
312341.003.1	298
312341.003.1.76	298
312341.003.76	298
312341.0045	298
312341.0045.1	298
312341.0045.1.76	298
312341.0045.76	298
312342.002	298
312342.002.1	298
312342.002.1.76	298
312342.002.76	298
312342.003	298
312342.003.1	298
312342.003.1.76	298
312342.003.76	298
312342.0045	298
312342.0045.1	298
312342.0045.1.76	298
312342.0045.76	298
312343.002	298
312343.002.1	298
312343.002.1.76	298
312343.002.76	298
312343.003	298
312343.003.1	298
312343.003.1.76	298
312343.003.76	298
312343.0045	298
312343.0045.1	298

No.	Page
312343.0045.1.76	298
312343.0045.76	298
312344.002	298
312344.002.1	298
312344.002.1.76	298
312344.002.76	298
312344.003	298
312344.003.1	298
312344.003.1.76	298
312344.003.76	298
312344.0045	298
312344.0045.1	298
312344.0045.1.76	298
312344.0045.76	298
312345.002	298
312345.002.1	298
312345.002.1.76	298
312345.002.76	298
312345.003	298
312345.003.1	298
312345.003.1.76	298
312345.003.76	298
312345.0045	298
312345.0045.1	298
312345.0045.1.76	298
312345.0045.76	298
312347.002	295
312347.002.1	295
312347.002.1.76	295
312347.002.76	295
312347.003	295
312347.003.1	295
312347.003.1.76	295
312347.003.76	295
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312347.0045.76	295
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312348.002.1	295
312348.002.1.76	295
312348.002.76	295
312348.003	295
312348.003.1	295
312348.003.1.76	295
312348.003.76	295
312348.0045	295
312348.0045.1	295
312348.0045.1.76	295
312348.0045.76	295
312349.002	295
312349.002.1	295
312349.002.1.76	295
312349.002.76	295
312349.003	295
312349.003.1	295
312349.003.1.76	295
312349.003.76	295
312349.0045	295
312349.0045.1	295
312349.0045.1.76	295
312349.0045.76	295
312350.002	295
312350.002.1	295
312350.002.1.76	295
312350.002.76	295
312350.003	295
312350.003.1	295
312350.003.1.76	295
312350.003.76	295
312350.0045	295
312350.0045.1	295
312350.0045.1.76	295
312350.0045.76	295
312351.002	295
312351.002.1	295
312351.002.1.76	295
312351.002.76	295
312351.003	295
312351.003.1	295
312351.003.1.76	295
312351.003.76	295
312351.0045	295
312351.0045.1	295
312351.0045.1.76	295
312351.0045.76	295
312352.002	246
312352.002.1	246
312352.002.1.730	246
312352.002.1.76	246
312352.002.2.730	246
312352.002.2.76	246
312352.002.730	246
312352.002.76	246
312353.002	247
312353.002.1	247
312353.002.1.730	247
312353.002.1.76	247
312353.002.2.730	247
312353.002.2.76	247
312353.002.730	247
312353.002.76	247
312354.002	247
312354.002.1	247
312354.002.1.730	247
312354.002.1.76	247
312354.002.2.730	247
312354.002.2.76	247
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312354.002.76	247
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312357.002.1	253
312357.002.1.730	253
312357.002.1.76	253
312357.002.730	253
312357.002.76	253
312357.0031	253
312357.0031.1	253
312357.0031.1.730	253
312357.0031.1.76	253
312357.0031.730	253
312357.0031.76	253
312357.004	253
312357.004.1	253
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312357.004.1.76	253
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312358.002.1.76	253
312358.002.730	253
312358.002.76	253
312358.0031	253
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312358.0031.1.730	253
312358.0031.1.76	253
312358.0031.730	253
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312371.002.76	262
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312372.002.1.76	262
312372.002.76	262
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312373.002.1	262
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312373.002.76	262
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312374.002.1	262
312374.002.1.76	262
312374.002.76	262
312375.002	228
312375.002.1	228
312375.002.1.76	228
312375.002.76	228
312376.002	228
312376.002.1	228
312376.002.1.76	228
312376.002.76	228
312377.002	228
312377.002.1	228
312377.002.1.76	228
312377.002.76	228
312378.002	228
312378.002.1	228
312378.002.1.76	228
312378.002.76	228
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312379.002.1.76	228
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312380.002	199
312380.002.1	199
312380.002.1.76	199
312380.002.76	199
312381.002.1	891
312381.002.1.76	891
312382.002.1	891
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312383.002	216
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312383.002.1.730	216
312383.002.1.76	216
312383.002.2.730	216
312383.002.730	216
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312383.0031.1.76	216
312383.0031.2.730	216
312383.0031.730	216
312383.0031.76	216
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312383.004.1.730	216
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312383.004.730	216
312383.004.76	216
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312384.002.1.730	216
312384.002.1.76	216
312384.002.2.730	216
312384.002.730	216
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312384.0031.1	216
312384.0031.1.730	216
312384.0031.1.76	216
312384.0031.2.730	216
312384.0031.730	216
312384.0031.76	216
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312384.004.2.730	216
312384.004.730	216
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312387.004.2.730	216
312387.004.730	216
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312388.002	216
312388.002.1	216
312388.002.1.730	216
312388.002.1.76	216
312388.002.2.730	216
312388.002.730	216
312388.002.76	216
312388.0031	216
312388.0031.1	216
312388.0031.1.730	216
312388.0031.1.76	216
312388.0031.2.730	216
312388.0031.730	216
312388.0031.76	216
312388.004	216

No.	Page
312388.004.1	216
312388.004.1.730	216
312388.004.1.76	216
312388.004.2.730	216
312388.004.730	216
312388.004.76	216
312389.002	252
312389.002.1	252
312389.002.1.730	252
312389.002.1.76	252
312389.002.2.730	252
312389.002.730	252
312389.002.76	252
312389.0031	252
312389.0031.1	252
312389.0031.1.730	252
312389.0031.1.76	252
312389.0031.2.730	252
312389.0031.730	252
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312389.004	252
312389.004.1	252
312389.004.1.730	252
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312389.004.2.730	252
312389.004.730	252
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312390.002	252
312390.002.1	252
312390.002.1.730	252
312390.002.1.76	252
312390.002.2.730	252
312390.002.730	252
312390.002.76	252
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312390.0031.1.76	252
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312390.004.2.730	252
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312391.002	216
312391.002.1	216
312391.002.1.730	216
312391.002.1.76	216
312391.002.2.730	216
312391.002.730	216
312391.002.76	216
312391.0031	216
312391.0031.1	216
312391.0031.1.730	216
312391.0031.1.76	216
312391.0031.2.730	216
312391.0031.730	216
312391.0031.76	216
312391.004	216
312391.004.1	216
312391.004.1.730	216
312391.004.1.76	216
312391.004.2.730	216
312391.004.730	216
312391.004.76	216
312392.002	216
312392.002.1	216
312392.002.1.730	216
312392.002.1.76	216
312392.002.2.730	216
312392.002.730	216
312392.002.76	216
312392.0031	216
312392.0031.1	216
312392.0031.1.730	216
312392.0031.1.76	216
312392.0031.2.730	216
312392.0031.730	216
312392.0031.76	216
312392.004	216
312392.004.1	216
312392.004.1.730	216
312392.004.1.76	216
312392.004.2.730	216
312392.004.730	216
312392.004.76	216
312393.002	252
312393.002.1	252
312393.002.1.730	252
312393.002.1.76	252
312393.002.2.730	252
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312393.0031	252
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312393.0031.1.730	252
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312393.0031.2.730	252
312393.0031.730	252
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312393.004	252
312393.004.1	252
312393.004.1.730	252
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312393.004.2.730	252
312393.004.730	252
312393.004.76	252
312394.002	252
312394.002.1	252
312394.002.1.730	252
312394.002.1.76	252
312394.002.2.730	252
312394.002.730	252
312394.002.76	252
312394.0031	252
312394.0031.1	252
312394.0031.1.730	252
312394.0031.1.76	252
312394.0031.2.730	252
312394.0031.730	252
312394.0031.76	252
312394.004	252
312394.004.1	252
312394.004.1.730	252
312394.004.1.76	252
312394.004.2.730	252
312394.004.730	252
312394.004.76	252
312398.002.1	277
312398.002.1.19	277
312398.0045.1	277
312398.0045.1.19	277
331154.000.1	40
40120.002.1	123
40122.002.1	123
40123.002.1	123
40125.002.1	123
40130.002.1	123
40132.002.1	123
40133.002.1	123
40135.002.1	123
411015.002.1	126
411016.002.1	126
411017.004.1	126
411018.004.1	126
411019.004.1	126
41110.002.1	127
41111.002.1	127
41120.002.1	127
41121.002.1	127
41401.002	127
41402.002	127
41510.002	127
41510.004	127
41511.002	127
41511.004	127
41520.002	127
41520.004	127
41521.002	127
41521.004	127
41530.002	127
41530.004	127
41531.002	127
41531.004	127
451035.752.79	125
451036.752.79	125
451037.752.79	125
451038.752.79	125
451040.752.79	125
451041.752.79	125
451054.752	119
451054.752.19	119
451054.7545	119
451054.7545.19	119
451055.752	119
451055.7545	119
451056.752	119
451056.7545	119
451057.752	119
451057.7545	119
451058.752	119
451058.7545	119
451059.752	119
451059.7545	119
451060.752	119
451060.7545	119
451061.752	119
451061.7545	119
451156.002	125
451156.002.1	125
451157.002	125
451157.002.1	125
451158.002	125
451158.002.1	125
451159.002	125
451159.002.1	125
451160.002	125
451160.002.1	125
451161.009	491
451161.009.1	491
451161.009.1.76	491
451161.009.2	491
451161.009.2.76	491
451161.009.3	491
451161.009.3.76	491
451161.009.76	491
451162.009	491
451162.009.1	491
451162.009.1.76	491
451162.009.2	491
451162.009.2.76	491
451162.009.3	491
451162.009.3.76	491
451162.009.76	491
451163.009	491
451163.009.1	491
451163.009.1.76	491
451163.009.2	491
451163.009.2.76	491
451163.009.3	491
451163.009.3.76	491
451163.009.76	491
451164.009	491
451164.009.1	491
451164.009.1.76	491
451164.009.2	491
451164.009.2.76	491
451164.009.3	491
451164.009.3.76	491
451164.009.76	491
451165.009	491
451165.009.1	491
451165.009.1.76	491
451165.009.2	491
451165.009.2.76	491
451165.009.3	491
451165.009.3.76	491
451165.009.76	491
451166.009	491
451166.009.1	491
451166.009.1.76	491
451166.009.2	491
451166.009.2.76	491
451166.009.3	491
451166.009.3.76	491
451166.009.76	491
451168.002	119
451168.002.1	119
451169.002	119
451169.002.1	119
451170.002	119
451170.002.1	119
451171.002	119
451171.002.1	119
451172.002	119
451172.002.1	119
451173.002	119
451173.002.1	119
451174.002	119
451174.002.1	119
451175.002	119
451175.002.1	119
451181.002	125
451181.002.1	125
451182.009.19	483
451183.009.19	483
451184.009.19	483
451185.009.19	483
451186.009.19	483
451189.000.0	115
451189.000.0.76	115
451189.000.1	115
451189.000.1.76	115
451190.000.0	115
451190.000.0.76	115
451190.000.1	115
451190.000.1.76	115
451191.000.1	115
451191.000.1.76	115
451192.000.1	191
451192.000.1.76	191
451194.000.0	115
451194.000.0.76	115
451194.000.1	115
451194.000.1.76	115
451195.000.0	115
451195.000.0.76	115
451195.000.1	115
451195.000.1.76	115
451196.000.1	115
451196.000.1.76	115
451197.000.1	191
451197.000.1.76	191
451198.000	116
451198.000.76	116
451199.000	116
451199.000.76	116
451200.000	191
451200.000.76	191
451201.002	121
451201.002.1	121
451202.002	121
451202.002.1	121
451203.002	121
451203.002.1	121
451204.002	477
451204.002.76	477
451205.002	477
451206.002	477
451206.002.76	477
451207.002	477
451208.002	477
451208.002.76	477
451210.009	482
451211.009	482
451212.009	482
451213.009	482
451214.009	482
451215.002	121
451215.002.1	121
501031.004	131
501031.004.1	131
501032.004	131
501032.004.1	131
501035.004	131
501035.004.1	131
501036.004	131
501036.004.1	131
501038.009.1	133
501038.009.2	133
50400.009.1	134
50500.009.1	133
50500.889.1	133
50605.000	134
50605.007	134
50605.008	134
50608.000.1	134
50608.007	134
50608.008	134
50700.004	131
50702.004	131
51050.002	555
51050.0031	555
51050.004	555
51051.002	555
51051.0031	555
51051.004	555
51052.002	555
51052.0031	555
51052.004	555
51061.002	555
51061.0031	555
51061.004	555
51062.002	555
51062.0031	555
51062.004	555
51063.002	555
51063.0031	555
51063.004	555
5441103017	311
5442106017	311
5443110017	311
551086.002	55
551086.002.1	55
551086.002.1.12	27
551086.002.12	27
551087.002	55
551087.002.1	55
551087.002.1.12	27
551087.002.12	27
551088.002	29
551088.002.1	29
551089.002	29
551089.002.1	29
551091.002	55
551091.002.1	55
551091.002.1.76	55
551091.002.76	55
551092.002	55
551092.002.1	55
551092.002.1.76	55
551092.002.76	55
551093.002	55
551093.002.1	55
551093.002.1.76	55
551093.002.76	55
551094.002	55
551094.002.1	55
551094.002.1.76	55
551094.002.76	55
551095.002	29
551095.002.1	29
551095.002.1.76	29
551095.002.76	29
551096.002	29
551096.002.1	29
551096.002.1.76	29
551096.002.76	29
551097.002	29
551097.002.1	29
551097.002.1.76	29
551097.002.76	29
551098.002	29
551098.002.1	29
551098.002.1.76	29
551098.002.76	29
551099.002.1.12	27
551099.002.1.76	27
551099.002.12	27
551099.002.76	27
551100.002.1.12	27

No.	Page
551100.002.1.76	27
551100.002.12	27
551100.002.76	27
581632.0031	539
581632.0031.1	539
581632.004	539
581632.004.1	539
581633.0031	539
581633.0031.1	539
581633.004	539
581633.004.1	539
581634.0031	539
581634.0031.1	539
581634.004	539
581634.004.1	539
581637.0031	599
581637.0031.1	599
581637.0031.1.19	599
581637.0031.19	599
581637.004	599
581637.004.1	599
581637.004.1.19	599
581637.004.19	599
581638.002	597
581638.0031	597
581638.004	597
581639.002	597
581639.002.1	597
581639.002.1.19	597
581639.002.19	597
581639.0031	597
581639.0031.1	597
581639.0031.1.19	597
581639.0031.19	597
581639.004	597
581639.004.1	597
581639.004.1.19	597
581639.004.19	597
581640.002	597
581640.0031	597
581640.004	597
581641.002	597
581641.002.1	597
581641.002.1.19	597
581641.002.19	597
581641.0031	597
581641.0031.1	597
581641.0031.1.19	597
581641.0031.19	597
581641.004	597
581641.004.1	597
581641.004.1.19	597
581641.004.19	597
581643.0031	545
581643.0031.1	545
581643.004	545
581643.004.1	545
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581646.0031	546
581646.0031.1	546
581646.004	546
581646.004.1	546
582000.002	593
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582000.004	593
582001.002	593
582001.0031	593
582001.004	593
582002.002	593
582002.0031	593
582002.004	593
582003.002	593
582003.002.19	593
582003.0031	593
582003.0031.19	593
582003.004	593
582003.004.19	593
582004.002	595
582004.002.25	567
582004.0031	595
582004.0031.25	567
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582004.004.25	567
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582005.002.19	595
582005.002.25	567
582005.0031	595
582005.0031.19	595
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582005.004.25	567
582006.002	594
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582007.0031	594
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582008.004	594
582009.002	594
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582009.004	594
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582015.002.25	601
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582015.0031.1.19	601
582015.0031.1.25	601
582015.0031.19	601
582015.0031.25	601
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582015.004.1	601
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582015.004.1.25	601
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582015.004.25	601
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582016.004	553
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582017.002.1.19	553
582017.002.1.25	553
582017.002.19	553
582017.002.25	553
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582017.0031.1.25	553
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582035.0031	545
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601068.002	487
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60565.003	682
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611847.2631	706
611847.264	706
611849.2631	706
611849.264	706
611861.0031	613
611861.0031.1	613

No.	Page
611861.004	613
611861.004.1	613
611862.0031	613
611862.0031.1	613
611862.004	613
611862.004.1	613
611863.0031	613
611863.0031.1	613
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612140.0031	898
612141.0031	898
612142.0031	899

No.	Page
612143.0031	899
612144.0031	895
612146.0031	621
612146.0031.1	621
612146.004	621
612146.004.1	621
612147.0031	623
612147.0031.1	623
612147.004	623
612147.004.1	623
612148.0031	627
612148.004	627
612149.0031	627
612149.0031.1	627
612149.004	627
612149.004.1	627
612150.0031	629
612150.004	629
612151.0031	629
612151.0031.1	629
612151.004	629
612151.004.1	629
612152.0031	633
612152.004	633
612153.0031	633
612153.0031.1	633
612153.004	633
612153.004.1	633
612154.0031.19	907
612155.0031.19	907
612156.0031.19	907
612157.002	909
612158.002	909
612159.002	909
612160.002	911
612161.0031	625
612161.0031.1	625
612161.004	625
612161.004.1	625
612162.0031	625
612162.0031.1	625
612162.004	625
612162.004.1	625
612163.0031	625
612163.0031.1	625
612163.004	625
612163.004.1	625
612164.0031	627
612164.0031.1	627
612164.004	627
612164.004.1	627
612165.0031	627
612165.004	627
612166.0031	627
612166.0031.1	627
612166.004	627
612166.004.1	627
612167.0031	627
612167.004	627
612168.0031	627
612168.0031.1	627
612168.004	627
612168.004.1	627
612169.0031	627
612169.004	627
612170.0031.1.76	689
612170.0031.76	689
612170.004.1.76	689
612170.004.76	689
612171.0031.1.76	689
612171.0031.76	689
612171.004.1.76	689
612171.004.76	689
612172.0031.1.76	689
612172.0031.76	689
612172.004.1.76	689
612172.004.76	689
612173.0031.1.76	689
612173.0031.76	689
612173.004.1.76	689
612173.004.76	689
612174.0031.1.76	689
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612174.004.1.76	689
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612207.0031	697
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612208.0031	697
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612209.0031	699
612209.0031.1	699
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612209.004.1	699
612210.0031	699
612210.0031.1	699
612210.004	699
612210.004.1	699
61734.003	575
61818.003	576
6200800403	311
6200800603	311
621081.000	41
621089.0031	561
621089.0031.1	561
621089.0031.1.19	561
621089.0031.19	561
621089.004	561
621089.004.1	561
621089.004.1.19	561
621089.004.19	561
621090.0031	561
621090.0031.1	561
621090.0031.1.19	561
621090.0031.19	561
621090.004	561
621090.004.1	561
621090.004.1.19	561
621090.004.19	561
621091.0031	562
621091.0031.1	562
621091.0031.1.19	562
621091.0031.19	562
621091.004	562
621091.004.1	562
621091.004.1.19	562
621091.004.19	562
621092.0031	561
621092.0031.19	561
621092.004	561
621092.004.19	561
621093.0031	561
621093.0031.19	561
621093.004	561
621093.004.19	561
621094.0031	562
621094.0031.19	562
621094.004	562
621094.004.19	562
621095.0031	561
621095.0031.1	561
621095.0031.1.19	561
621095.0031.19	561
621095.004	561
621095.004.1	561
621095.004.1.19	561
621095.004.19	561
621096.0031	561
621096.0031.19	561
621096.004	561
621096.004.19	561
6401403905	311
6401406505	311
6401406605	311
6401406705	311
6401406805	311
6401407005	311
6401407205	311
6401407305	311
6401409205	311
641284.000	649
641284.000.1	649
641285.000	649
641285.000.1	649
641286.000	649
641286.000.1	649
641287.000	649
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641288.000	649
641288.000.1	649
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641294.000	647
641294.000.1	647
641295.000	647
641295.000.1	647
641296.000	647
641296.000.1	647
641297.000	647
641297.000.1	647
641298.000	647
641298.000.1	647
641299.000	647
641299.000.1	647
641300.000	650
641300.000.1	650
641301.000	650
641301.000.1	650
641302.000	650
641302.000.1	650
641303.000	650
641303.000.1	650
641304.002	536
641304.002.1	536
641304.002.1.76	536
641304.002.76	536
641304.0031	536
641304.0031.1	536
641304.0031.1.76	536
641304.0031.76	536
641305.000	535
641305.000.1	535
641305.000.1.76	535
641305.000.76	535
641306.002	536
641306.002.1	536
641306.002.1.76	536
641306.002.76	536
641306.0031	536
641306.0031.1	536
641306.0031.1.76	536
641306.0031.76	536
641307.000	535
641307.000.1	535
641307.000.1.76	535
641307.000.76	535
641308.000	643
641308.000.1	643
641309.000	643
641309.000.1	643
641310.000	643
641310.000.1	643
641311.000	643
641311.000.1	643
641312.000	643
641312.000.1	643
641313.000	643
641313.000.1	643
641314.000	643
641315.000	643
641317.002	281
641317.002.1	281
641317.002.1.730	281
641317.002.1.76	281
641317.002.730	281
641317.002.76	281
641317.003	281
641317.003.1	281
641317.003.1.730	281
641317.003.1.76	281
641317.003.730	281
641317.003.76	281
641317.004	281
641317.004.1	281
641317.004.1.730	281
641317.004.1.76	281
641317.004.730	281
641317.004.76	281
641318.002	281
641318.002.1	281
641318.002.1.730	281
641318.002.1.76	281
641318.002.730	281
641318.002.76	281
641318.003	281
641318.003.1	281
641318.003.1.730	281
641318.003.1.76	281
641318.003.730	281
641318.003.76	281
641318.004	281
641318.004.1	281
641318.004.1.730	281
641318.004.1.76	281
641318.004.730	281
641318.004.76	281
641319.002	281
641319.002.1	281
641319.002.1.730	281
641319.002.1.76	281
641319.002.730	281
641319.002.76	281
641319.003	281
641319.003.1	281
641319.003.1.730	281
641319.003.1.76	281
641319.003.730	281
641319.003.76	281
641319.004	281
641319.004.1	281
641319.004.1.730	281
641319.004.1.76	281
641319.004.730	281
641319.004.76	281
64253.000	535
650-3002	133
650-3002-05	133
651817.009	775

No.	Page
671045.002	785
671045.002.04	785
671045.004	785
671045.004.04	785
671049.002	786
671049.002.04	786
671049.004	786
671049.004.04	786
671053.002	787
671053.002.04	787
671053.004	787
671053.004.04	787
671057.002	789
671057.002.04	789
671057.004	789
671057.004.04	789
671061.002	785
671061.002.04	785
671061.004	785
671061.004.04	785
671065.002	786
671065.002.04	786
671065.004	786
671065.004.04	786
671069.002	787
671069.002.04	787
671069.004	787
671069.004.04	787
671073.002	789
671073.002.04	789
671073.004	789
671073.004.04	789
671077.002	785
671077.002.04	785
671077.004	785
671077.004.04	785
671081.002	786
671081.002.04	786
671081.004	786
671081.004.04	786
671085.002	787
671085.002.04	787
671085.004	787
671085.004.04	787
671089.002	789
671089.002.04	789
671089.004	789
671089.004.04	789
671148.000	727
671207.002	785
671207.002.89	785
671207.004	785
671207.004.89	785
671209.002	786
671209.002.89	786
671209.004	786
671209.004.89	786
671211.002	787
671211.002.89	787
671211.004	787
671211.004.89	787
671213.002	789
671213.002.89	789
671213.004	789
671213.004.89	789
671215.002	785
671215.002.89	785
671215.004	785
671215.004.89	785
671217.002	786
671217.002.89	786
671217.004	786
671217.004.89	786
671223.002	787
671223.002.89	787
671223.004	787
671223.004.89	787
671227.002	789
671227.002.89	789
671227.004	789
671227.004.89	789
671229.002	785
671229.002.89	785
671229.004	785
671229.004.89	785
671231.002	786
671231.002.89	786
671231.004	786
671231.004.89	786
671233.002	787
671233.002.89	787
671233.004	787
671233.004.89	787
671235.002	789
671235.002.89	789
671235.004	789
671235.004.89	789
671343.002	788
671343.002.04	788
671343.004	788
671343.004.04	788
671347.002	788
671347.002.04	788
671347.004	788
671347.004.04	788
671351.002	788
671351.002.04	788
671351.004	788
671351.004.04	788
671359.002	788
671359.002.89	788
671359.004	788
671359.004.89	788
671363.002	788
671363.002.89	788
671363.004	788
671363.004.89	788
671367.002	788
671367.002.89	788
671367.004	788
671367.004.89	788
671501.002	749
671501.002.04	749
671501.002.07	749
671501.004	749
671501.004.04	749
671501.004.07	749
671502.002	750
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671503.002.89	749
671503.004	749
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671519.002.89	751
671519.004	751
671519.004.89	751
671707.002	778
671707.002.04	778
671722.002	749
671722.002.89	749
671722.004	749
671722.004.89	749
671736.002	750
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671746.004	749
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671775.002.89	778
671780.002	777
671780.002.04	777
671782.002	777
671782.002.89	777
671792.002	782
671792.002.04	782
671793.002	782
671793.002.89	782
671819.002	781
671819.002.04	781
671820.002	781
671820.002.89	781
671823.000	729
671840.002	810
671840.002.04	810
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671840.002.1.07	810
671841.002	810
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671841.002.1.89	810
671841.002.89	810
671895.002	749
671895.002.04	749
671895.004	749
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671909.002	777
671909.002.04	777
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671912.002.04	749
671912.002.07	749
671912.004	749
671912.004.04	749
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671913.002	750
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671913.002.07	750
671913.004	750
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671914.002	751
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671914.004.07	751
671916.002	819
671917.002	819
671917.002.07	819
671918.002	819
671918.002.07	819
671919.002	821
671919.002.89	821
671919.003	821
671919.003.89	821
671920.002	821
671920.002.07	821
671920.003	821
671920.003.07	821
671921.002	821
671921.002.07	821
671921.003	821
671921.003.07	821
671922.004	742
671922.004.89	742
671923.004	741
671923.004.89	741
671927.002	825
671927.002.07	825
671936.002	825
671936.002.89	825
671938.004	743
671938.004.89	743
671939.004	744
671939.004.89	744
671940.004	745
671940.004.89	745
671941.004	746
671941.004.89	746
671942.004	746
671942.004.89	746
671943.004	742
671943.004.04	742
671943.004.07	742
671944.004	741
671944.004.04	741
671944.004.07	741
671945.004	743
671945.004.04	743
671945.004.07	743
671946.004	744
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671947.004	745
671947.004.04	745
671947.004.07	745
671948.004	746
671948.004.04	746
671948.004.07	746
671949.004	746
671949.004.04	746
671949.004.07	746
671982.002.07	821
671983.002.1	753
671983.002.1.89	753
671983.004.1	753
671983.004.1.89	753
671985.002.1	753
671985.002.1.89	753
671985.004.1	753
671985.004.1.89	753
671996.002.1	759
671996.002.1.89	759
671996.004.1	759
671996.004.1.89	759
671997.002.07	810
671997.002.1.07	810
671999.002	811
671999.002.89	811
672000.002	822
672000.002.89	822
672002.002	822
672002.002.04	822
672002.002.07	822
672003.002.07	822
672004.004	742
672004.004.04	742
672004.004.07	742
672005.004	741
672005.004.04	741
672005.004.07	741
672006.004	743
672006.004.04	743
672006.004.07	743
672007.004	744
672007.004.04	744
672007.004.07	744
672008.004	745
672008.004.04	745
672008.004.07	745
672009.004	746
672009.004.04	746
672009.004.07	746
672010.004	746
672010.004.04	746
672010.004.07	746
672011.002	811
672011.002.89	811
672014.002	822
672014.002.89	822
672016.002	822
672016.002.04	822
672016.002.07	822
672017.002.07	822
672022.002	811
672022.002.04	811
672022.002.07	811
672023.002	811
672023.002.04	811
672023.002.07	811
672029.004	744
672029.004.89	744
672030.004	745
672030.004.89	745
672031.004	746
672031.004.89	746
672032.004	746
672032.004.89	746
672033.004	744
672033.004.04	744
672033.004.07	744
672034.004	745
672034.004.04	745
672034.004.07	745
672035.004	746
672035.004.04	746
672035.004.07	746
672036.004	746
672036.004.04	746
672036.004.07	746
672037.002	796
672037.002.89	796
672038.002	796
672038.002.04	796
672038.002.07	796

No.	Page
672039.004	743
672039.004.89	743
672040.004	743
672040.004.04	743
672040.004.07	743
672041.004	743
672041.004.04	743
672041.004.07	743
672042.004	744
672042.004.04	744
672042.004.07	744
672043.004	745
672043.004.04	745
672043.004.07	745
672044.004	746
672044.004.04	746
672044.004.07	746
672045.004	746
672045.004.04	746
672045.004.07	746
672053.002	799
672053.002.04	799
672053.002.07	799
672055.002	799
672055.002.89	799
672056.002.5	864
672056.002.5.89	864
672056.002.7	864
672056.002.7.89	864
672057.002.5	864
672057.002.5.89	864
672057.002.7	864
672057.002.7.89	864
672058.002.5	863
672058.002.5.04	863
672058.002.5.07	863
672058.002.7	863
672058.002.7.04	863
672058.002.7.07	863
672059.002.5	863
672059.002.5.04	863
672059.002.5.07	863
672059.002.5.19	863
672059.002.7	863
672059.002.7.04	863
672059.002.7.07	863
672059.002.7.19	863
672088.1131	877
672088.1131.1	877
672088.114	877
672088.114.1	877
672089.1131	877
672089.1131.1	877
672089.114	877
672089.114.1	877
672092.002.5	867
672092.002.5.04	867
672092.002.5.07	867
672092.002.7	867
672092.002.7.04	867
672092.002.7.07	867
672093.002.5	867
672093.002.5.04	867
672093.002.5.07	867
672093.002.7	867
672093.002.7.04	867
672093.002.7.07	867
672093.002.7.19	867
672104.002.07	799
672116.009	757
672116.009.04	757
672116.009.07	757
672117.009	757
672117.009.89	757
672118.002	812
672118.002.04	812
672118.002.07	812
672119.002	812
672119.002.89	812
672126.002	771
672126.002.04	771
672126.002.07	771
672126.003	771
672126.003.04	771
672126.003.07	771
672128.002	771
672128.002.89	771
672128.003	771
672128.003.89	771
672129.002	807
672129.002.89	807
672129.003	807
672129.003.89	807
672133.002.5	863
672133.002.5.07	863
672133.002.5.19	863
672133.002.7	863
672133.002.7.07	863
672133.002.7.19	863
672134.002.5.19	863
672134.002.7.19	863
672135.002	812
672135.002.04	812
672135.002.07	812
672136.002	812
672136.002.89	812
672137.002	812
672137.002.04	812
672137.002.07	812
672138.002	812
672138.002.89	812
672139.002	816
672139.002.04	816
672139.002.07	816
672139.009	816
672139.009.04	816
672139.009.07	816
672140.002	816
672140.002.89	816
672140.009	816
672140.009.89	816
672141.002	816
672141.002.04	816
672141.002.07	816
672141.009	816
672141.009.04	816
672141.009.07	816
672142.002	816
672142.002.89	816
672142.009	816
672142.009.89	816
672143.009	859
672143.009.1	859
672143.009.1.89	859
672143.009.2	859
672143.009.2.89	859
672143.009.3	859
672143.009.3.89	859
672143.009.89	859
672144.009	859
672144.009.1	859
672144.009.1.89	859
672144.009.2	859
672144.009.2.89	859
672144.009.3	859
672144.009.3.89	859
672144.009.89	859
672145.009	859
672145.009.1	859
672145.009.1.89	859
672145.009.2	859
672145.009.2.89	859
672145.009.3	859
672145.009.3.89	859
672145.009.89	859
672161.002.04	825
672161.002.07	825
672164.002	761
672164.002.89	761
672165.002	761
672165.002.04	761
672165.002.07	761
672169.002	819
672169.002.07	819
672170.002	809
672170.002.04	809
672170.002.07	809
672170.002.1	809
672170.002.1.04	809
672170.002.1.07	809
672170.002.2	809
672170.002.2.04	809
672170.002.2.07	809
672171.002	809
672171.002.1	809
672171.002.1.89	809
672171.002.2	809
672171.002.2.89	809
672171.002.89	809
672172.002	795
672172.002.04	795
672172.002.07	795
672173.002	795
672173.002.89	795
672175.002	771
672175.002.04	771
672175.002.07	771
672175.003	771
672175.003.04	771
672175.003.07	771
672176.002	807
672176.002.04	807
672176.002.07	807
672176.003	807
672176.003.04	807
672176.003.07	807
672181.002	807
672181.002.04	807
672181.002.07	807
672181.003	807
672181.003.04	807
672181.003.07	807
672182.002	807
672182.002.89	807
672182.003	807
672182.003.89	807
672188.002	769
672188.002.04	769
672188.002.07	769
672189.002	769
672189.002.04	769
672189.002.07	769
672190.002	769
672190.002.89	769
672196.009	805
672197.009	805
672199.009	859
672199.009.1	859
672199.009.1.89	859
672199.009.2	859
672199.009.2.89	859
672199.009.3	859
672199.009.3.89	859
672199.009.89	859
672200.009	859
672200.009.1	859
672200.009.1.89	859
672200.009.2	859
672200.009.2.89	859
672200.009.3	859
672200.009.3.89	859
672200.009.89	859
672201.009	859
672201.009.1	859
672201.009.1.89	859
672201.009.2	859
672201.009.2.89	859
672201.009.3	859
672201.009.3.89	859
672201.009.89	859
672202.009	857
672202.009.04	857
672202.009.07	857
672202.009.1	858
672202.009.1.04	858
672202.009.1.07	858
672202.009.2	857
672202.009.2.04	857
672202.009.2.07	857
672202.009.3	858
672202.009.3.04	858
672202.009.3.07	858
672203.009	857
672203.009.04	857
672203.009.07	857
672203.009.1	858
672203.009.1.04	858
672203.009.1.07	858
672203.009.2	857
672203.009.2.04	857
672203.009.2.07	857
672203.009.3	858
672203.009.3.04	858
672203.009.3.07	858
672204.009	857
672204.009.04	857
672204.009.07	857
672204.009.1	858
672204.009.1.04	858
672204.009.1.07	858
672204.009.2	857
672204.009.2.04	857
672204.009.2.07	857
672204.009.3	858
672204.009.3.04	858
672204.009.3.07	858
672205.009	857
672205.009.04	857
672205.009.07	857
672205.009.1	858
672205.009.1.04	858
672205.009.1.07	858
672205.009.2	857
672205.009.2.04	857
672205.009.2.07	857
672205.009.3	858
672205.009.3.04	858
672205.009.3.07	858
672206.009	857
672206.009.04	857
672206.009.07	857
672206.009.1	858
672206.009.1.04	858
672206.009.1.07	858
672206.009.2	857
672206.009.2.04	857
672206.009.2.07	857
672206.009.3	858
672206.009.3.04	858
672206.009.3.07	858
672208.002	825
672208.002.89	825
672209.002	851
672209.002.04	851
672209.002.07	851
672210.002	851
672210.002.04	851
672210.002.07	851
672211.002	851
672211.002.04	851
672211.002.07	851
672212.002	851
672212.002.04	851
672212.002.07	851
672213.002	851
672213.002.04	851
672213.002.07	851
672214.002	851
672214.002.04	851
672214.002.07	851
672215.002	851
672215.002.04	851
672215.002.07	851
672216.002	851
672216.002.04	851
672216.002.07	851
672217.002	753
672217.002.04	753
672217.002.07	753
672217.004	753
672217.004.04	753
672217.004.07	753
672218.002	753
672218.002.04	753
672218.002.07	753
672218.004	753
672218.004.04	753
672218.004.07	753
672219.002	759
672219.002.04	759
672219.002.07	759
672219.004	759
672219.004.04	759
672219.004.07	759
672220.002	828
672220.002.04	828
672220.002.07	828
672220.002.1	828
672220.002.1.04	828
672220.002.1.07	828
672221.002	828
672221.002.04	828
672221.002.07	828
672221.002.1	828
672221.002.1.04	828
672221.002.1.07	828
672222.002	828
672222.002.04	828
672222.002.07	828
672222.002.1	828
672222.002.1.04	828
672222.002.1.07	828
672223.002	828
672223.002.04	828
672223.002.07	828
672223.002.1	828
672223.002.1.04	828
672223.002.1.07	828
672224.002	828
672224.002.04	828
672224.002.07	828
672224.002.1	828
672224.002.1.04	828
672224.002.1.07	828
672225.002	828
672225.002.04	828
672225.002.07	828
672225.002.1	828
672225.002.1.04	828
672225.002.1.07	828
672226.002	828
672226.002.04	828
672226.002.07	828
672226.002.1	828
672226.002.1.04	828
672226.002.1.07	828
672227.002	828
672227.002.04	828
672227.002.07	828
672227.002.1	828
672227.002.1.04	828
672227.002.1.07	828
672228.002	829
672228.002.1	829
672228.002.1.89	829
672228.002.89	829
672229.002	829
672229.002.1	829
672229.002.1.89	829
672229.002.89	829
672230.002	829
672230.002.1	829
672230.002.1.89	829
672230.002.89	829
672231.002	829
672231.002.1	829
672231.002.1.89	829
672231.002.89	829
672232.009	734
672232.009.04	734
672233.002	830
672233.002.04	830
672233.002.07	830
672233.002.1	830
672233.002.1.04	830

No.	Page
672233.002.1.07	830
672234.002	830
672234.002.04	830
672234.002.07	830
672234.002.1	830
672234.002.1.04	830
672234.002.1.07	830
672235.002	830
672235.002.04	830
672235.002.07	830
672235.002.1	830
672235.002.1.04	830
672235.002.1.07	830
672236.002	830
672236.002.04	830
672236.002.07	830
672236.002.1	830
672236.002.1.04	830
672236.002.1.07	830
672237.002	830
672237.002.04	830
672237.002.07	830
672237.002.1	830
672237.002.1.04	830
672237.002.1.07	830
672238.002	830
672238.002.04	830
672238.002.07	830
672238.002.1	830
672238.002.1.04	830
672238.002.1.07	830
672239.002	830
672239.002.04	830
672239.002.07	830
672239.002.1	830
672239.002.1.04	830
672239.002.1.07	830
672240.002	830
672240.002.04	830
672240.002.07	830
672240.002.1	830
672240.002.1.04	830
672240.002.1.07	830
672241.002	831
672241.002.1	831
672241.002.1.89	831
672241.002.89	831
672242.002	831
672242.002.1	831
672242.002.1.89	831
672242.002.89	831
672243.002	831
672243.002.1	831
672243.002.1.89	831
672243.002.89	831
672244.002	831
672244.002.1	831
672244.002.1.89	831
672244.002.89	831
672245.002	765
672245.002.04	765
672245.002.07	765
672246.002	766
672246.002.04	766
672246.002.07	766
672247.002	765
672247.002.89	765
672248.002	766
672248.002.89	766
672249.002	763
672249.002.89	763
672250.002	763
672250.002.04	763
672250.002.07	763
672251.002	849
672251.002.04	849
672251.002.07	849
672251.002.1	849
672251.002.1.04	849
672251.002.1.07	849
672252.002	849
672252.002.1	849
672252.002.1.89	849
672252.002.89	849
672253.002	849
672253.002.04	849
672253.002.07	849
672253.002.1	849
672253.002.1.04	849
672253.002.1.07	849
672254.002	849
672254.002.1	849
672254.002.1.89	849
672254.002.89	849
672255.002	851
672255.002.04	851
672255.002.07	851
672256.002	851
672256.002.04	851
672256.002.07	851
672259.002	837
672259.002.1	837
672259.002.1.89	837
672259.002.89	837
672260.002	863
672260.002.04	863
672260.002.07	863
672260.002.1	863
672260.002.1.04	863
672260.002.1.07	863
672261.002	863
672261.002.04	863
672261.002.07	863
672261.002.1	863
672261.002.1.04	863
672261.002.1.07	863
672262.002	864
672262.002.1	864
672262.002.1.89	864
672262.002.89	864
672267.002	837
672267.002.1	837
672267.002.1.89	837
672267.002.89	837
672268.002	837
672268.002.1	837
672268.002.1.89	837
672268.002.89	837
672269.002	837
672269.002.1	837
672269.002.1.89	837
672269.002.89	837
672271.002	835
672271.002.04	835
672271.002.07	835
672271.002.1	835
672271.002.1.04	835
672271.002.1.07	835
672272.002	835
672272.002.04	835
672272.002.07	835
672272.002.1	835
672272.002.1.04	835
672272.002.1.07	835
672273.002	835
672273.002.04	835
672273.002.07	835
672273.002.1	835
672273.002.1.04	835
672273.002.1.07	835
672274.002	835
672274.002.04	835
672274.002.07	835
672274.002.1	835
672274.002.1.04	835
672274.002.1.07	835
672275.002	837
672275.002.04	837
672275.002.07	837
672275.002.1	837
672275.002.1.04	837
672275.002.1.07	837
672276.002	837
672276.002.04	837
672276.002.07	837
672276.002.1	837
672276.002.1.04	837
672276.002.1.07	837
672277.002	837
672277.002.04	837
672277.002.07	837
672277.002.1	837
672277.002.1.04	837
672277.002.1.07	837
672278.002	837
672278.002.04	837
672278.002.07	837
672278.002.1	837
672278.002.1.04	837
672278.002.1.07	837
672279.002	836
672279.002.1	836
672279.002.1.89	836
672279.002.89	836
672280.002	836
672280.002.1	836
672280.002.1.89	836
672280.002.89	836
672281.002	836
672281.002.1	836
672281.002.1.89	836
672281.002.89	836
672282.002	809
672282.002.04	809
672282.002.07	809
672282.002.1	809
672282.002.1.04	809
672282.002.1.07	809
672283.002	795
672283.002.04	795
672283.002.07	795
672284.002	873
672284.002.89	873
672284.0031	873
672284.0031.89	873
672284.004	873
672284.004.89	873
672285.002	874
672285.002.89	874
672285.0031	874
672285.0031.89	874
672285.004	874
672285.004.89	874
672287.002	871
672287.002.1	871
672287.002.1.89	871
672287.002.89	871
672287.0031	871
672287.0031.1	871
672287.0031.1.89	871
672287.0031.89	871
672287.004	871
672287.004.1	871
672287.004.1.89	871
672287.004.89	871
672288.002	871
672288.002.1	871
672288.002.1.89	871
672288.002.89	871
672288.0031	871
672288.0031.1	871
672288.0031.1.89	871
672288.0031.89	871
672288.004	871
672288.004.1	871
672288.004.1.89	871
672288.004.89	871
672289.0031	869
672289.0031.1	869
672289.004	869
672289.004.1	869
672290.002	836
672290.002.1	836
672290.002.1.89	836
672290.002.89	836
672291.002	791
672291.002.89	791
672292.002	791
672292.002.04	791
672292.002.07	791
672293.002	791
672293.002.04	791
672293.002.07	791
672294.002	809
672294.002.1	809
672294.002.1.89	809
672294.002.89	809
672295.0031	869
672295.0031.1	869
672295.004	869
672295.004.1	869
672297.002	875
672297.002.1	875
672297.002.1.89	875
672297.002.89	875
672297.0031	875
672297.0031.1	875
672297.0031.1.89	875
672297.0031.89	875
672297.004	875
672297.004.1	875
672297.004.1.89	875
672297.004.89	875
672298.002	875
672298.002.1	875
672298.002.1.89	875
672298.002.89	875
672298.0031	875
672298.0031.1	875
672298.0031.1.89	875
672298.0031.89	875
672298.004	875
672298.004.1	875
672298.004.1.89	875
672298.004.89	875
672299.002	792
672299.002.89	792
672300.002	792
672300.002.04	792
672300.002.07	792
672301.002	874
672301.002.89	874
672301.0031	874
672301.0031.89	874
672301.004	874
672301.004.89	874
672302.002	815
672302.002.04	815
672302.002.07	815
672302.002.1	815
672302.002.1.04	815
672302.002.1.07	815
672303.002	815
672303.002.04	815
672303.002.07	815
672303.002.1	815
672303.002.1.04	815
672303.002.1.07	815
672304.002	815
672304.002.1	815
672304.002.1.89	815
672304.002.89	815
672305.002	815
672305.002.1	815
672305.002.1.89	815
672305.002.89	815
672313.002	873
672313.002.89	873
672313.0031	873
672313.0031.89	873
672313.004	873
672313.004.89	873
672314.002	874
672314.002.89	874
672314.0031	874
672314.0031.89	874
672314.004	874
672314.004.89	874
672315.002	874
672315.002.89	874
672315.0031	874
672315.0031.89	874
672315.004	874
672315.004.89	874
672316.1131	877
672316.1131.1	877
672316.114	877
672316.114.1	877
672317.003	879
672318.002	855
672319.002	855
672320.002	855
672331.002	773
672331.002.89	773
672332.002	773
672332.002.04	773
672332.002.07	773
672335.002.1	864
672335.002.1.89	864
672335.002.3	864
672335.002.3.89	864
672343.002.5	867
672343.002.5.89	867
672343.002.7	867
672343.002.7.89	867
672344.002.5	867
672344.002.5.89	867
672344.002.7	867
672344.002.7.89	867
672348.002	836
672348.002.1	836
672348.002.1.89	836
672348.002.89	836
672349.002	836
672349.002.1	836
672349.002.1.89	836
672349.002.89	836
672350.002	835
672350.002.04	835
672350.002.07	835
672350.002.1	835
672350.002.1.04	835
672350.002.1.07	835
672351.002	835
672351.002.04	835
672351.002.07	835
672351.002.1	835
672351.002.1.04	835
672351.002.1.07	835
672352.002	835
672352.002.04	835
672352.002.07	835
672352.002.1	835
672352.002.1.04	835
672352.002.1.07	835
672353.002	835
672353.002.04	835
672353.002.07	835
672353.002.1	835
672353.002.1.04	835
672353.002.1.07	835
672355.002	842
672355.002.1	842
672355.002.1.89	842
672355.002.89	842
672356.002	842
672356.002.04	842
672356.002.07	842
672356.002.1	842
672356.002.1.04	842
672356.002.1.07	842
672357.002	842
672357.002.04	842
672357.002.07	842
672357.002.1	842
672357.002.1.04	842
672357.002.1.07	842
672358.002	842
672358.002.1	842
672358.002.1.89	842
672358.002.89	842
672359.002	842
672359.002.04	842
672359.002.07	842
672359.002.1	842

No.	Page
672359.002.1.04	842
672359.002.1.07	842
672360.002	842
672360.002.04	842
672360.002.07	842
672360.002.1	842
672360.002.1.04	842
672360.002.1.07	842
672361.002	843
672361.002.1	843
672361.002.1.89	843
672361.002.89	843
672362.002	843
672362.002.04	843
672362.002.07	843
672362.002.1	843
672362.002.1.04	843
672362.002.1.07	843
672363.002	843
672363.002.04	843
672363.002.07	843
672363.002.1	843
672363.002.1.04	843
672363.002.1.07	843
672364.002	843
672364.002.1	843
672364.002.1.89	843
672364.002.89	843
672365.002	843
672365.002.04	843
672365.002.07	843
672365.002.1	843
672365.002.1.04	843
672365.002.1.07	843
672366.002	843
672366.002.04	843
672366.002.07	843
672366.002.1	843
672366.002.1.04	843
672366.002.1.07	843
672367.002	844
672367.002.1	844
672367.002.1.89	844
672367.002.89	844
672368.002	844
672368.002.04	844
672368.002.07	844
672368.002.1	844
672368.002.1.04	844
672368.002.1.07	844
672369.002	844
672369.002.04	844
672369.002.07	844
672369.002.1	844
672369.002.1.04	844
672369.002.1.07	844
672370.002	844
672370.002.1	844
672370.002.1.89	844
672370.002.89	844
672371.002	844
672371.002.04	844
672371.002.07	844
672371.002.1	844
672371.002.1.04	844
672371.002.1.07	844
672372.002	844
672372.002.04	844
672372.002.07	844
672372.002.1	844
672372.002.1.04	844
672372.002.1.07	844
672373.002	845
672373.002.1	845
672373.002.1.89	845
672373.002.89	845
672374.002	845
672374.002.04	845
672374.002.07	845
672374.002.1	845
672374.002.1.04	845
672374.002.1.07	845
672375.002	845
672375.002.04	845
672375.002.07	845
672375.002.1	845
672375.002.1.04	845
672375.002.1.07	845
672376.002	845
672376.002.1	845
672376.002.1.89	845
672376.002.89	845
672377.002	845
672377.002.04	845
672377.002.07	845
672377.002.1	845
672377.002.1.04	845
672377.002.1.07	845
672378.002	845
672378.002.04	845
672378.002.07	845
672378.002.1	845
672378.002.1.04	845
672378.002.1.07	845
672379.002	829
672379.002.1	829
672379.002.1.89	829
672379.002.89	829
672380.002	829
672380.002.1	829
672380.002.1.89	829
672380.002.89	829
672381.002.1	864
672381.002.3	864
672382.002	829
672382.002.04	829
672382.002.07	829
672382.002.1	829
672382.002.1.04	829
672382.002.1.07	829
672383.002	829
672383.002.04	829
672383.002.07	829
672383.002.1	829
672383.002.1.04	829
672383.002.1.07	829
672384.002	829
672384.002.04	829
672384.002.07	829
672384.002.1	829
672384.002.1.04	829
672384.002.1.07	829
672385.002	829
672385.002.04	829
672385.002.07	829
672385.002.1	829
672385.002.1.04	829
672385.002.1.07	829
672386.002	863
672386.002.04	863
672386.002.07	863
672386.002.1	863
672386.002.1.04	863
672386.002.1.07	863
672387.002	867
672387.002.04	867
672387.002.07	867
672387.002.1	867
672387.002.1.04	867
672387.002.1.07	867
672388.002	864
672388.002.1	864
672388.002.1.89	864
672388.002.89	864
672389.002	867
672389.002.1	867
672389.002.1.89	867
672389.002.89	867
701035.002	448
701035.003	448
701035.009	448
701055.012	455
701055.013	455
701055.019	455
701063.002	444
701063.003	444
701063.004	444
701064.002	444
701064.003	444
701064.004	444
701065.002	444
701065.003	444
701065.004	444
701066.002	444
701066.003	444
701066.004	444
701067.002	443
701067.003	443
701067.004	443
701068.002	443
701068.003	443
701068.004	443
701069.002	443
701069.003	443
701069.004	443
701070.002	443
701070.003	443
701070.004	443
701071.002	445
701071.003	445
701071.004	445
701072.004	447
701073.002	446
701073.003	446
701074.000	447
701075.002	448
701075.003	448
701076.002	448
701076.003	448
701076.004	448
701077.002	444
701077.003	444
701077.004	444
701078.002	444
701078.003	444
701078.004	444
701079.002	444
701079.003	444
701079.004	444
701080.002	446
701080.003	446
701080.004	446
701081.002	444
701081.003	444
701081.004	444
701082.002	444
701082.003	444
701082.004	444
701083.002	445
701083.003	445
701083.004	445
701084.002	445
701084.003	445
701084.004	445
701085.002	445
701085.003	445
701085.004	445
701086.002	445
701086.003	445
701086.004	445
701087.002	446
701087.003	446
701087.004	446
701088.002	443
701088.003	443
701088.004	443
701089.002	443
701089.003	443
701089.004	443
701090.002	443
701090.003	443
701090.004	443
701091.004	447
701092.002	445
701092.003	445
701092.004	445
701093.002	448
701093.003	448
701093.004	448
701094.000	447
701096.000	446
701096.002	446
701096.003	446
701097.002	452
701097.003	452
701097.009	452
701098.002	452
701098.003	452
701098.009	452
701099.002	452
701099.003	452
701099.009	452
701100.002	452
701100.003	452
701100.009	452
701101.002	451
701101.003	451
701101.009	451
701102.002	451
701102.003	451
701102.009	451
701103.002	451
701103.003	451
701103.009	451
701104.002	451
701104.003	451
701104.009	451
701105.002	452
701105.003	452
701105.009	452
701106.002	452
701106.003	452
701106.009	452
701107.002	452
701107.003	452
701107.009	452
701108.002	453
701108.003	453
701108.009	453
701109.002	453
701109.003	453
701109.009	453
701110.002	452
701110.003	452
701110.009	452
701111.002	452
701111.003	452
701111.009	452
701112.002	453
701112.003	453
701112.009	453
701113.002	453
701113.003	453
701113.009	453
701114.002	453
701114.003	453
701114.009	453
701115.002	453
701115.003	453
701115.009	453
701116.002	453
701116.003	453
701116.009	453
701117.002	451
701117.003	451
701117.009	451
701118.002	451
701118.003	451
701118.009	451
701121.002	443
701121.003	443
701121.004	443
70316.002	448
70318.002	449
70318.003	449
70318.009	449
70319.002	449
70337.002	454
70337.003	454
70337.009	454
70348.000	455
70349	449
70349.003	449
70351.002	454
70351.004	454
70354.002	454
70354.004	454
70360.002	449
70382.000	455
70594.002	454
70594.003	454
70594.004	454
70873.002	683
70873.003	683
70875.002	449
70875.003	449
721156.092	681
721156.0931	681
721157.0931	681
721158.092	681
721158.0931	681
721680.092	682
721680.0931	682
721681.092	682
721681.0931	682
721682.0931	682
721683.002	683
721683.003	683
721690.002	683
721690.003	683
721691.002	683
721691.003	683
721714.0031	661
721714.0031.1	661
721714.0031.1.76	661
721714.0031.76	661
721714.004	661
721714.004.1	661
721714.004.1.76	661
721714.004.76	661
721714.1131	661
721714.1131.1	661
721714.1131.1.76	661
721714.1131.76	661
721714.114	661
721714.114.1	661
721714.114.1.76	661
721714.114.76	661
721715.0031	661
721715.0031.1	661
721715.004	661
721715.004.1	661
721716.0031	665
721716.0031.1	665
721716.0031.1.76	665
721716.0031.76	665
721716.004	665
721716.004.1	665
721716.004.1.76	665
721716.004.76	665
721716.1131	665
721716.1131.1	665
721716.1131.1.76	665
721716.1131.76	665
721716.114	665
721716.114.1	665
721716.114.1.76	665
721716.114.76	665
721717.0031	665
721717.0031.1	665
721717.0031.1.76	665
721717.0031.76	665
721717.004	665
721717.004.1	665
721717.004.1.76	665
721717.004.76	665
721718.0031	669
721718.0031.1	669
721718.0031.1.76	669
721718.0031.76	669
721718.004	669
721718.004.1	669
721718.004.1.76	669
721718.004.76	669
721718.1131	669

No.	Page
721718.1131.1	669
721718.1131.1.76	669
721718.1131.76	669
721718.114	669
721718.114.1	669
721718.114.1.76	669
721718.114.76	669
721719.1131	673
721719.1131.1	673
721719.1131.1.76	673
721719.1131.76	673
721719.114	673
721719.114.1	673
721719.114.1.76	673
721719.114.76	673
721720.1131	675
721720.1131.1	675
721720.1131.1.76	675
721720.1131.76	675
721720.114	675
721720.114.1	675
721720.114.1.76	675
721720.114.76	675
721721.0031	663
721721.0031.1	663
721721.004	663
721721.004.1	663
721721.1131	663
721721.1131.1	663
721721.114	663
721721.114.1	663
721722.0031	667
721722.0031.1	667
721722.004	667
721722.004.1	667
721722.1131	667
721722.1131.1	667
721722.114	667
721722.114.1	667
721723.0031	663
721723.0031.1	663
721723.004	663
721723.004.1	663
721724.0031	667
721724.0031.1	667
721724.004	667
721724.004.1	667
721725.1131	677
721725.1131.1	677
721725.1131.1.76	677
721725.1131.76	677
721725.114	677
721725.114.1	677
721725.114.1.76	677
721725.114.76	677
721733.0031	669
721733.0031.1	669
721733.0031.1.76	669
721733.0031.76	669
721733.004	669
721733.004.1	669
721733.004.1.76	669
721733.004.76	669
721733.1131	669
721733.1131.1	669
721733.1131.1.76	669
721733.1131.76	669
721733.114	669
721733.114.1	669
721733.114.1.76	669
721733.114.76	669
721734.1131	677
721734.1131.1	677
721734.1131.1.76	677
721734.1131.76	677
721734.114	677
721734.114.1	677
721734.114.1.76	677
721734.114.76	677
721802.0031	655
721802.0031.1	655
721802.0031.1.76	655
721802.0031.76	655
721802.004	655
721802.004.1	655
721802.004.1.76	655
721802.004.76	655
721803.0031	655
721803.0031.1	655
721803.0031.1.76	655
721803.0031.76	655
721803.004	655
721803.004.1	655
721803.004.1.76	655
721803.004.76	655
721804.0031	655
721804.0031.1	655
721804.0031.1.76	655
721804.0031.76	655
721804.004	655
721804.004.1	655
721804.004.1.76	655
721804.004.76	655
721806.0031	658
721806.0031.1	658
721807.0031	656
721807.0031.1	656
721807.0031.1.76	656
721807.0031.76	656
721807.004	656
721807.004.1	656
721807.004.1.76	656
721807.004.76	656
721808.0031	656
721808.0031.1	656
721808.0031.1.76	656
721808.0031.76	656
721808.004	656
721808.004.1	656
721808.004.1.76	656
721808.004.76	656
721809.0031	656
721809.0031.1	656
721809.0031.1.76	656
721809.0031.76	656
721809.004	656
721809.004.1	656
721809.004.1.76	656
721809.004.76	656
721810.0031	656
721810.0031.1	656
721810.0031.1.76	656
721810.0031.76	656
721810.004	656
721810.004.1	656
721810.004.1.76	656
721810.004.76	656
721811.0031	657
721811.0031.1	657
721811.0031.1.76	657
721811.0031.76	657
721811.004	657
721811.004.1	657
721811.004.1.76	657
721811.004.76	657
721812.0031	657
721812.0031.1	657
721812.0031.1.76	657
721812.0031.76	657
721812.004	657
721812.004.1	657
721812.004.1.76	657
721812.004.76	657
721813.0031	657
721813.0031.1	657
721813.0031.1.76	657
721813.0031.76	657
721813.004	657
721813.004.1	657
721813.004.1.76	657
721813.004.76	657
721814.0031	657
721814.0031.1	657
721814.0031.1.76	657
721814.0031.76	657
721814.004	657
721814.004.1	657
721814.004.1.76	657
721814.004.76	657
721815.0031	658
721815.0031.1	658
721992.0031	901
721993.0031	901
722045.002	411
722045.002.1	411
722045.002.1.76	411
722045.002.76	411
722045.003	411
722045.003.1	411
722045.003.1.76	411
722045.003.76	411
722045.004	411
722045.004.1	411
722045.004.1.76	411
722045.004.76	411
722046.002	411
722046.002.1	411
722046.002.1.76	411
722046.002.76	411
722046.003	411
722046.003.1	411
722046.003.1.76	411
722046.003.76	411
722046.004	411
722046.004.1	411
722046.004.1.76	411
722046.004.76	411
722047.002	411
722047.002.1	411
722047.002.1.76	411
722047.002.76	411
722047.003	411
722047.003.1	411
722047.003.1.76	411
722047.003.76	411
722047.004	411
722047.004.1	411
722047.004.1.76	411
722047.004.76	411
722048.002	411
722048.002.1	411
722048.002.1.76	411
722048.002.76	411
722048.003	411
722048.003.1	411
722048.003.1.76	411
722048.003.76	411
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722048.004.1	411
722048.004.1.76	411
722048.004.76	411
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722049.002.1	411
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722054.003.1	411
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722056.003.1.76	411
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722056.004.76	411
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722076.0031	693
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722078.0031	694
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722079.0031	694
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722080.0031	694
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722081.0031	694
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722081.004	694
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722082.0031	695
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722082.004.1	695
722083.0031	695
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722084.0031	695
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722120.0031	695
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722134.0031	694
722134.0031.1	694
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722136.0031	694
722136.0031.1	694
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722136.004.1	694
722137.0031	693
722137.0031.1	693
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741858.002.1	437
741858.002.1.76	437
741858.002.2	437
741858.002.2.76	437
741858.003.1	437
741858.003.1.76	437
741858.003.2	437
741858.003.2.76	437
741858.004.1	437
741858.004.1.76	437
741858.004.2	437
741858.004.2.76	437
741859.002.1	437
741859.002.1.76	437
741859.002.2	437
741859.002.2.76	437
741859.003.1	437
741859.003.1.76	437

No.	Page
741859.003.2	437
741859.003.2.76	437
741859.004.1	437
741859.004.1.76	437
741859.004.2	437
741859.004.2.76	437
741860.002.1	437
741860.002.1.76	437
741860.002.2	437
741860.002.2.76	437
741860.003.1	437
741860.003.1.76	437
741860.003.2	437
741860.003.2.76	437
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741860.004.1.76	437
741860.004.2	437
741860.004.2.76	437
741864.002.1	437
741864.002.1.76	437
741864.002.2	437
741864.002.2.76	437
741864.003.1	437
741864.003.1.76	437
741864.003.2	437
741864.003.2.76	437
741864.004.1	437
741864.004.1.76	437
741864.004.2	437
741864.004.2.76	437
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741865.002.2	437
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741866.003.2	437
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741866.004.2.76	437
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741920.002.2	437
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741920.003.2	437
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741921.003.2	437
741921.003.2.76	437
741921.004.1	437
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741922.002.2.76	437
741922.003.1	437
741922.003.1.76	437
741922.003.2	437
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742021.002.76	429
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742022.002.1	428
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742023.002	428
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742023.003.1	428
742023.003.1.76	429
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742023.004.1	428
742023.004.1.76	429
742023.004.76	429
742024.002	428
742024.002.1	428
742024.002.1.76	429
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742024.003	428
742024.003.1	428
742024.003.1.76	429
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742024.004	428
742024.004.1	428
742024.004.1.76	429
742024.004.76	429
742025.002	428
742025.002.1	428
742025.002.1.76	429
742025.002.76	429
742025.003	428
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742025.003.1.76	429
742025.003.76	429
742025.004	428
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742025.004.1.76	429
742025.004.76	429
742026.002	428
742026.002.1	428
742026.002.1.76	429
742026.002.76	429
742026.003	428
742026.003.1	428
742026.003.1.76	429
742026.003.76	429
742026.004	428
742026.004.1	428
742026.004.1.76	429
742026.004.76	429
742027.002	428

No.	Page
742027.002.1	428
742027.002.1.76	429
742027.002.76	429
742027.003	428
742027.003.1	428
742027.003.1.76	429
742027.003.76	429
742027.004	428
742027.004.1	428
742027.004.1.76	429
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742028.002.1	425
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742029.002	425
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742029.004	425
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742031.002	425
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742031.004.1	425
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742037.004	425
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742038.003	425
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742039.002	425
742039.002.1	425
742039.003	425
742039.003.1	425
742039.004	425
742039.004.1	425

No.	Page
742040.002	425
742040.002.1	425
742040.003	425
742040.003.1	425
742040.004	425
742040.004.1	425
742041.002	425
742041.002.1	425
742041.003	425
742041.003.1	425
742041.004	425
742041.004.1	425
742097.002	426
742097.002.1	426
742097.002.1.730	427
742097.002.1.76	427
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742097.002.76	427
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742098.002.1	426
742098.003	426
742098.003.1	426
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742098.004.1	426
742099.002	426
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742099.003	426
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742099.004.1	426
742100.002	426
742100.002.1	426
742100.003	426
742100.003.1	426
742100.004	426
742100.004.1	426
742101.002	426
742101.002.1	426
742101.002.1.730	427
742101.002.1.76	427
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742101.004.730	427
742101.004.76	427
742102.002	426
742102.002.1	426
742102.003	426
742102.003.1	426
742102.004	426
742102.004.1	426
742103.002	426
742103.002.1	426
742103.003	426
742103.003.1	426
742103.004	426
742103.004.1	426
742104.002	426
742104.002.1	426
742104.003	426
742104.003.1	426
742104.004	426

No.	Page
742104.004.1	426
742105.002	426
742105.002.1	426
742105.003	426
742105.003.1	426
742105.004	426
742105.004.1	426
742106.002	426
742106.002.1	426
742106.003	426
742106.003.1	426
742106.004	426
742106.004.1	426
742107.002	426
742107.002.1	426
742107.003	426
742107.003.1	426
742107.004	426
742107.004.1	426
742108.002	426
742108.002.1	426
742108.003	426
742108.003.1	426
742108.004	426
742108.004.1	426
742109.002	426
742109.002.1	426
742109.003	426
742109.003.1	426
742109.004	426
742109.004.1	426
742110.002	426
742110.002.1	426
742110.003	426
742110.003.1	426
742110.004	426
742110.004.1	426
742111.002.1.730	427
742111.002.1.76	427
742111.002.730	427
742111.002.76	427
742111.003.1.730	427
742111.003.1.76	427
742111.003.730	427
742111.003.76	427
742111.004.1.730	427
742111.004.1.76	427
742111.004.730	427
742111.004.76	427
742112.002.1.730	427
742112.002.1.76	427
742112.002.730	427
742112.002.76	427
742112.003.1.730	427
742112.003.1.76	427
742112.003.730	427
742112.003.76	427
742112.004.1.730	427
742112.004.1.76	427
742112.004.730	427
742112.004.76	427
742113.002.1.730	427
742113.002.1.76	427
742113.002.730	427
742113.002.76	427
742113.003.1.730	427
742113.003.1.76	427
742113.003.730	427
742113.003.76	427
742113.004.1.730	427
742113.004.1.76	427
742113.004.730	427
742113.004.76	427
742114.002.1.730	427
742114.002.1.76	427
742114.002.730	427
742114.002.76	427
742114.003.1.730	427
742114.003.1.76	427
742114.003.730	427
742114.003.76	427
742114.004.1.730	427
742114.004.1.76	427

No.	Page
742114.004.730	427
742114.004.76	427
742115.002.1.730	427
742115.002.1.76	427
742115.002.730	427
742115.002.76	427
742115.003.1.730	427
742115.003.1.76	427
742115.003.730	427
742115.003.76	427
742115.004.1.730	427
742115.004.1.76	427
742115.004.730	427
742115.004.76	427
742116.002.1.730	427
742116.002.1.76	427
742116.002.730	427
742116.002.76	427
742116.003.1.730	427
742116.003.1.76	427
742116.003.730	427
742116.003.76	427
742116.004.1.730	427
742116.004.1.76	427
742116.004.730	427
742116.004.76	427
742129.002	435
742129.002.1	435
742129.003	435
742129.003.1	435
742130.002	435
742130.002.1	435
742130.003	435
742130.003.1	435
742131.002	435
742131.002.1	435
742131.003	435
742131.003.1	435
742132.002	435
742132.002.1	435
742132.003	435
742132.003.1	435
75.1004.04	307
75.1009.04	307
75.1024.04	309
75.1027.04	309
75.1030.04	309
75.1033.04	309
75.1034.00	307
75.1039.04	307
75.1040.04	307
75.1041.04	307
75.1042.04	307
75.1043.04	307
75.1044.04	307
75.1045.04	307
75.1046.04	307
75.1047.04	307
75.1048.04	307
75.1049.04	307
75.1050.04	307
75.1051.04	309
75.1052.04	309
75.1053.04	309
75.1054.04	309
75.1055.04	309
75.1056.04	309
75.1057.04	309
75.1058.04	309
75.1059.04	309
75.1060.04	309
75.1061.04	309
75.1062.04	309
75.1063.04	309
75.1064.04	309
75.1065.04	309
75.1066.04	309
75.1067.04	307
75.1068.04	307
751141.002	439
751141.002.1	439
751141.002.1.76	439
751141.002.76	439

No.	Page
751141.003	439
751141.003.1	439
751141.003.1.76	439
751141.003.76	439
751141.004	439
751141.004.1	439
751141.004.1.76	439
751141.004.76	439
751142.002	439
751142.002.1	439
751142.002.1.76	439
751142.002.76	439
751142.003	439
751142.003.1	439
751142.003.1.76	439
751142.003.76	439
751142.004	439
751142.004.1	439
751142.004.1.76	439
751142.004.76	439
90-2780	535
90-4164.002	777
90-6054.0031	705
90-6054.004	705
90-6055.0031	705
90-6055.004	705
90-6056.0031	705
90-6056.004	705
901288.002	380
901288.002.76	380
901288.004	380
901288.004.76	380
901289.002	380
901289.002.76	380
901289.004	380
901289.004.76	380
901360.002.1.76	203
901360.002.76	203
901361.002.1.76	203
901361.002.76	203
901362.002.76	203
901363.002.1.76	203
901363.002.76	203
901364.002.1.76	203
901364.002.76	203
901365.002.76	203
901366.002.76	255
901368.002.76	219
901370.002.76	195
901372.002.76	203
901373.002.76	203
901403.002.76	255
901410.002.76	219
901431.002	371
901431.002.1	371
901433.002	371
901433.002.1	371
901434.002	371
901434.002.1	371
901435.002	371
901435.002.1	371
901437.002	371
901437.002.1	371
901438.002	371
901438.002.1	371
901450.002.76	255
901451.002	324
901451.002.1	324
901451.002.1.76	324
901451.002.76	324
901452.002	324
901452.002.1	324
901452.002.1.76	324
901452.002.76	324
901453.002	324
901453.002.1	324
901453.002.1.76	324
901453.002.76	324
901454.002	371
901454.002.1	371
901455.002	371
901455.002.1	371
901472.002	380

No.	Page
901472.002.76	380
901472.004	380
901472.004.76	380
901473.002	380
901473.002.76	380
901473.004	380
901473.004.76	380
901482.002.76	219
901483.002.76	195
901484.002	324
901484.002.1	324
901484.002.1.76	324
901484.002.76	324
901485.002	325
901485.002.1	325
901485.002.1.76	325
901485.002.76	325
901486.002	325
901486.002.1	325
901486.002.1.76	325
901486.002.76	325
901487.002	325
901487.002.1	325
901487.002.1.76	325
901487.002.76	325
901488.002	325
901488.002.1	325
901488.002.1.76	325
901488.002.76	325
901495.002	391
901495.002.1	391
901496.002	391
901496.002.1	391
901496.002.1.76	391
901496.002.76	391
901497.002	391
901497.002.1	391
901497.002.1.76	391
901497.002.76	391
901498.002	391
901498.002.1	391
901498.002.1.76	391
901498.002.76	391
901517.002	366
901517.002.1	366
901517.002.1.76	366
901517.002.76	366
901518.002	366
901518.002.1	366
901518.002.1.76	366
901518.002.76	366
901519.002	366
901519.002.1	366
901519.002.1.76	366
901519.002.76	366
901520.002	366
901520.002.1	366
901520.002.1.76	366
901520.002.76	366
901521.002	366
901521.002.1	366
901521.002.1.76	366
901521.002.76	366
901522.002	366
901522.002.1	366
901522.002.1.76	366
901522.002.76	366
901523.002	366
901523.002.1	366
901523.002.1.76	366
901523.002.76	366
901524.002	367
901524.002.1	367
901524.002.1.76	367
901524.002.76	367
901525.002	367
901525.002.1	367
901525.002.1.76	367
901525.002.76	367
901526.002	367
901526.002.1	367
901526.002.1.76	367
901526.002.76	367
901527.002	367
901527.002.1	367
901527.002.1.76	367
901527.002.76	367
901528.002	367
901528.002.1	367
901528.002.1.76	367
901528.002.76	367
901529.002	367
901529.002.1	367
901529.002.1.76	367
901529.002.76	367
901530.002	367
901530.002.1	367
901530.002.1.76	367
901530.002.76	367
901531.002	368
901531.002.1	368
901531.002.1.76	368
901531.002.76	368
901532.002	368
901532.002.1	368
901532.002.1.76	368
901532.002.76	368
901533.002	368
901533.002.1	368
901533.002.1.76	368
901533.002.76	368
901534.002	368
901534.002.1	368
901534.002.1.76	368
901534.002.76	368
901535.002	368
901535.002.1	368
901535.002.1.76	368
901535.002.76	368
901536.002	368
901536.002.1	368
901536.002.1.76	368
901536.002.76	368
901537.002	368
901537.002.1	368
901537.002.1.76	368
901537.002.76	368
901538.002	369
901538.002.1	369
901538.002.1.76	369
901538.002.76	369
901539.002	369
901539.002.1	369
901539.002.1.76	369
901539.002.76	369
901540.002	369
901540.002.1	369
901540.002.1.76	369
901540.002.76	369
901541.002	369
901541.002.1	369
901541.002.1.76	369
901541.002.76	369
901542.002	369
901542.002.1	369
901542.002.1.76	369
901542.002.76	369
901543.002	369
901543.002.1	369
901543.002.1.76	369
901543.002.76	369
901544.002	369
901544.002.1	369
901544.002.1.76	369
901544.002.76	369
901545.002	353
901545.002.1	353
901545.002.1.76	353
901545.002.76	353
901546.002	353
901546.002.1	353
901546.002.1.76	353
901546.002.76	353
901547.002	353
901547.002.1	353
901547.002.1.76	353
901547.002.76	353
901548.002	353
901548.002.1	353
901548.002.1.76	353
901548.002.76	353
901549.002	353
901549.002.1	353
901549.002.1.76	353
901549.002.76	353
901550.002	353
901550.002.1	353
901550.002.1.76	353
901550.002.76	353
901551.002	393
901551.002.1	393
901552.002	393
901552.002.1	393
901552.002.1.76	393
901552.002.76	393
901553.002	393
901553.002.1	393
901553.002.1.76	393
901553.002.76	393
901554.002	393
901554.002.1	393
901554.002.1.76	393
901554.002.76	393
901555.002	361
901555.002.1	361
901555.002.1.76	361
901555.002.76	361
901555.004	361
901555.004.1	361
901555.004.1.76	361
901555.004.76	361
901556.002	361
901556.002.1	361
901556.002.1.76	361
901556.002.76	361
901556.004	361
901556.004.1	361
901556.004.1.76	361
901556.004.76	361
901557.002	361
901557.002.1	361
901557.002.1.76	361
901557.002.2.730	361
901557.002.76	361
901557.004	361
901557.004.1	361
901557.004.1.76	361
901557.004.2.730	361
901557.004.76	361
901558.002	361
901558.002.1	361
901558.002.1.76	361
901558.002.76	361
901558.004	361
901558.004.1	361
901558.004.1.76	361
901558.004.76	361
901559.002	362
901559.002.1	362
901559.002.1.76	362
901559.002.76	362
901559.004	362
901559.004.1	362
901559.004.1.76	362
901559.004.76	362
901560.002	362
901560.002.1	362
901560.002.1.76	362
901560.002.76	362
901560.004	362
901560.004.1	362
901560.004.1.76	362
901560.004.76	362
901561.002	362
901561.002.1	362
901561.002.1.76	362
901561.002.2.730	362
901561.002.76	362
901561.004	362
901561.004.1	362
901561.004.1.76	362
901561.004.2.730	362
901561.004.76	362
901562.002	362
901562.002.1	362
901562.002.1.76	362
901562.002.76	362
901562.004	362
901562.004.1	362
901562.004.1.76	362
901562.004.76	362
901563.002	361
901563.002.1	361
901563.002.1.76	361
901563.002.76	361
901563.004	361
901563.004.1	361
901563.004.1.76	361
901563.004.76	361
901564.002	361
901564.002.1	361
901564.002.1.76	361
901564.002.76	361
901564.004	361
901564.004.1	361
901564.004.1.76	361
901564.004.76	361
901565.002	361
901565.002.1	361
901565.002.1.76	361
901565.002.2.730	361
901565.002.76	361
901565.004	361
901565.004.1	361
901565.004.1.76	361
901565.004.2.730	361
901565.004.76	361
901566.002	361
901566.002.1	361
901566.002.1.76	361
901566.002.76	361
901566.004	361
901566.004.1	361
901566.004.1.76	361
901566.004.76	361
901567.002	362
901567.002.1	362
901567.002.1.76	362
901567.002.76	362
901567.004	362
901567.004.1	362
901567.004.1.76	362
901567.004.76	362
901568.002	362
901568.002.1	362
901568.002.1.76	362
901568.002.76	362
901568.004	362
901568.004.1	362
901568.004.1.76	362
901568.004.76	362
901569.002	362
901569.002.1	362
901569.002.1.76	362
901569.002.2.730	362
901569.002.76	362
901569.004	362
901569.004.1	362
901569.004.1.76	362
901569.004.2.730	362
901569.004.76	362
901570.002	362
901570.002.1	362
901570.002.1.76	362
901570.002.76	362
901570.004	362
901570.004.1	362
901570.004.1.76	362
901570.004.76	362
901573.002	379
901573.002.1	379
901573.002.1.76	379
901573.002.76	379
901574.002	379
901574.002.1	379
901574.002.1.76	379
901574.002.76	379
901575.002	379
901575.002.1	379
901575.002.1.76	379
901575.002.76	379
901584.002	236
901584.002.1	236
901584.002.1.76	236
901584.002.76	236
901585.002	324
901585.002.1	324
901585.002.1.76	324
901585.002.76	324
901586.002	374
901586.002.1	374
901586.002.1.76	374
901586.002.76	374
901587.002	391
901587.002.1	391
901587.002.1.76	391
901587.002.76	391
901588.002	391
901588.002.1	391
901588.002.1.76	391
901588.002.76	391
901589.002	205
901589.002.1	205
901589.002.1.76	205
901589.002.76	205
901590.002	205
901590.002.1	205
901590.002.1.76	205
901590.002.76	205
901591.002	205
901591.002.1	205
901591.002.1.76	205
901591.002.76	205
901592.002	205
901592.002.1	205
901592.002.1.76	205
901592.002.76	205
901593.002	347
901593.002.1	347
901593.002.2	347
901593.003	347
901593.003.1	347
901593.003.2	347
901594.002	347
901594.002.1	347
901594.002.2	347
901594.003	347
901594.003.1	347
901594.003.2	347
901595.002	347
901595.002.1	347
901595.002.1.76	347
901595.002.2	347
901595.002.2.76	347
901595.002.76	347
901595.003	347
901595.003.1	347
901595.003.1.76	347
901595.003.2	347
901595.003.2.76	347
901595.003.76	347
901596.002	347
901596.002.1	347
901596.002.1.76	347
901596.002.2	347
901596.002.2.76	347
901596.002.76	347
901596.003	347
901596.003.1	347
901596.003.1.76	347
901596.003.2	347
901596.003.2.76	347
901596.003.76	347
901597.002	347
901597.002.1	347

No.	Page
901597.002.2	347
901597.003	347
901597.003.1	347
901597.003.2	347
901598.002	347
901598.002.1	347
901598.002.2	347
901598.003	347
901598.003.1	347
901598.003.2	347
901599.002	348
901599.002.1	348
901599.002.2	348
901599.003	348
901599.003.1	348
901599.003.2	348
901600.002	348
901600.002.1	348
901600.002.2	348
901600.003	348
901600.003.1	348
901600.003.2	348
901601.002	348
901601.002.1	348
901601.002.1.76	348
901601.002.2	348
901601.002.2.76	348
901601.002.76	348
901601.003	348
901601.003.1	348
901601.003.1.76	348
901601.003.2	348
901601.003.2.76	348
901601.003.76	348
901602.002	348
901602.002.1	348
901602.002.1.76	348
901602.002.2	348
901602.002.2.76	348
901602.002.76	348
901602.003	348
901602.003.1	348
901602.003.1.76	348
901602.003.2	348
901602.003.2.76	348
901602.003.76	348
901603.002	348
901603.002.1	348
901603.002.2	348
901603.003	348
901603.003.1	348
901603.003.2	348
901604.002	348
901604.002.1	348
901604.002.2	348
901604.003	348
901604.003.1	348
901604.003.2	348
901605.002	401
901605.002.1	401
901605.002.2	401
901605.003	401
901605.003.1	401
901605.003.2	401
901606.002	401
901606.002.1	401
901606.002.2	401
901606.003	401
901606.003.1	401
901606.003.2	401
901607.002	401
901607.002.1	401
901607.002.1.76	401
901607.002.2	401
901607.002.2.76	401
901607.002.76	401
901607.003	401
901607.003.1	401
901607.003.1.76	401
901607.003.2	401
901607.003.2.76	401
901607.003.76	401
901608.002	401
901608.002.1	401
901608.002.1.76	401
901608.002.2	401
901608.002.2.76	401
901608.002.76	401
901608.003	401
901608.003.1	401
901608.003.1.76	401
901608.003.2	401
901608.003.2.76	401
901608.003.76	401
901609.002	401
901609.002.1	401
901609.002.2	401
901609.003	401
901609.003.1	401
901609.003.2	401
901610.002	401
901610.002.1	401
901610.002.2	401
901610.003	401
901610.003.1	401
901610.003.2	401
901611.002	402
901611.002.1	402
901611.002.2	402
901611.003	402
901611.003.1	402
901611.003.2	402
901612.002	402
901612.002.1	402
901612.002.2	402
901612.003	402
901612.003.1	402
901612.003.2	402
901613.002	402
901613.002.1	402
901613.002.1.76	402
901613.002.2	402
901613.002.2.76	402
901613.002.76	402
901613.003	402
901613.003.1	402
901613.003.1.76	402
901613.003.2	402
901613.003.2.76	402
901613.003.76	402
901614.002	402
901614.002.1	402
901614.002.1.76	402
901614.002.2	402
901614.002.2.76	402
901614.002.76	402
901614.003	402
901614.003.1	402
901614.003.1.76	402
901614.003.2	402
901614.003.2.76	402
901614.003.76	402
901615.002	402
901615.002.1	402
901615.002.2	402
901615.003	402
901615.003.1	402
901615.003.2	402
901616.002	402
901616.002.1	402
901616.002.2	402
901616.003	402
901616.003.1	402
901616.003.2	402
901617.002.1	207
901617.002.1.76	207
901618.002.1	207
901618.002.1.76	207
901619.002	351
901619.002.1	351
901619.002.1.76	351
901619.002.76	351
901620.002	351
901620.002.1	351
901620.002.1.76	351
901620.002.76	351
901621.002	351
901621.002.1	351
901621.002.1.76	351
901621.002.76	351
901622.002.1	208
901622.002.1.76	208
901623.002.1	208
901623.002.1.76	208
901624.002.1	265
901624.002.1.76	265
901625.002.1	235
901625.002.1.76	235
901626.002.1	265
901626.002.1.76	265
901627.002.1	235
901627.002.1.76	235
901628.002	338
901628.002.1	338
901629.002	340
901629.002.1	340
901630.002	338
901630.002.1	338
901630.002.1.76	338
901630.002.76	338
901631.002	340
901631.002.1	340
901631.002.1.76	340
901631.002.76	340
901632.002	339
901632.002.1	339
901632.002.1.76	339
901632.002.76	339
901633.002	341
901633.002.1	341
901633.002.1.76	341
901633.002.76	341
901634.002	339
901634.002.1	339
901634.002.1.76	339
901634.002.76	339
901635.002	341
901635.002.1	341
901635.002.1.76	341
901635.002.76	341
901638.002.1	207
901638.002.1.76	207
901639.002.1	207
901639.002.1.76	207
901640.002.1	235
901640.002.1.76	235
901641.002.1	235
901641.002.1.76	235
901642.002	349
901642.002.1	349
901642.002.2	349
901642.003	349
901642.003.1	349
901642.003.2	349
901643.002	349
901643.002.1	349
901643.002.1.76	349
901643.002.2	349
901643.002.2.76	349
901643.002.76	349
901643.003	349
901643.003.1	349
901643.003.1.76	349
901643.003.2	349
901643.003.2.76	349
901643.003.76	349
901644.002	349
901644.002.1	349
901644.002.2	349
901644.003	349
901644.003.1	349
901644.003.2	349
901645.002	349
901645.002.1	349
901645.002.2	349
901645.003	349
901645.003.1	349
901645.003.2	349
901646.002	349
901646.002.1	349
901646.002.1.76	349
901646.002.2	349
901646.002.2.76	349
901646.002.76	349
901646.003	349
901646.003.1	349
901646.003.1.76	349
901646.003.2	349
901646.003.2.76	349
901646.003.76	349
901647.002	349
901647.002.1	349
901647.002.2	349
901647.003	349
901647.003.1	349
901647.003.2	349
901648.002.1	208
901648.002.1.76	208
901649.002.1	208
901649.002.1.76	208
901650.002.1	235
901650.002.1.76	235
901651.002.1	265
901651.002.1.76	265
901652.002	361
901652.002.1	361
901652.002.1.76	361
901652.002.76	361
901652.004	361
901652.004.1	361
901652.004.1.76	361
901652.004.76	361
901653.002	361
901653.002.1	361
901653.002.1.76	361
901653.002.76	361
901653.004	361
901653.004.1	361
901653.004.1.76	361
901653.004.76	361
901654.002	362
901654.002.1	362
901654.002.1.76	362
901654.002.76	362
901654.004	362
901654.004.1	362
901654.004.1.76	362
901654.004.76	362
901655.002	362
901655.002.1	362
901655.002.1.76	362
901655.002.76	362
901655.004	362
901655.004.1	362
901655.004.1.76	362
901655.004.76	362
901656.002	355
901656.002.1	355
901656.002.1.76	355
901656.002.76	355
901657.002	355
901657.002.1	355
901657.002.1.76	355
901657.002.76	355
901658.002	355
901658.002.1	355
901658.002.1.76	355
901658.002.76	355
901659.002	355
901659.002.1	355
901659.002.1.76	355
901659.002.76	355
901660.002	355
901660.002.1	355
901660.002.1.76	355
901660.002.76	355
901661.002	355
901661.002.1	355
901661.002.1.76	355
901661.002.76	355
901662.002	356
901662.002.1	356
901662.002.1.76	356
901662.002.76	356
901663.002	356
901663.002.1	356
901663.002.1.76	356
901663.002.76	356
901664.002	356
901664.002.1	356
901664.002.1.76	356
901664.002.76	356
901665.002	356
901665.002.1	356
901665.002.1.76	356
901665.002.76	356
901666.002.730	324
901667.002.730	324
901668.002.730	324
901669.002.730	374
901670.002.730	325
901671.002.730	325
901683.002	177
901683.002.1	177
901684.002	177
901684.002.1	177
901684.002.1.76	177
901684.002.76	177
901685.002	177
901685.002.1	177
901685.002.1.76	177
901685.002.76	177
901686.002	177
901686.002.1	177
901686.002.1.76	177
901686.002.76	177
911004.002	345
911004.0044	345
911005.002	397
911005.0044	397
911409.002	399
911409.002.1	399
911409.002.1.76	399
911409.002.2	399
911409.002.76	399
911409.004	399
911409.004.1	399
911409.004.1.76	399
911409.004.2	399
911409.004.76	399
911410.002	415
911410.002.1	415
911410.002.1.76	415
911410.002.76	415
911410.003	415
911410.003.1	415
911410.003.1.76	415
911410.003.76	415
911410.004	415
911410.004.1	415
911410.004.1.76	415
911410.004.76	415
911411.002	415
911411.002.1	415
911411.002.1.76	415
911411.002.76	415
911411.003	415
911411.003.1	415
911411.003.1.76	415
911411.003.76	415
911411.004	415
911411.004.1	415
911411.004.1.76	415
911411.004.76	415
911412.002	415
911412.002.1	415
911412.002.1.76	415
911412.002.76	415
911412.003	415
911412.003.1	415
911412.003.1.76	415
911412.003.76	415
911412.004	415
911412.004.1	415
911412.004.1.76	415

No.	Page
911412.004.76	415
911413.002	415
911413.002.1	415
911413.002.1.76	415
911413.002.76	415
911413.003	415
911413.003.1	415
911413.003.1.76	415
911413.003.76	415
911413.004	415
911413.004.1	415
911413.004.1.76	415
911413.004.76	415
911414.002	415
911414.002.1	415
911414.002.1.76	415
911414.002.76	415
911414.003	415
911414.003.1	415
911414.003.1.76	415
911414.003.76	415
911414.004	415
911414.004.1	415
911414.004.1.76	415
911414.004.76	415
911415.002	415
911415.002.1	415
911415.002.1.76	415
911415.002.76	415
911415.003	415
911415.003.1	415
911415.003.1.76	415
911415.003.76	415
911415.004	415
911415.004.1	415
911415.004.1.76	415
911415.004.76	415
911416.002	415
911416.002.1	415
911416.002.1.76	415
911416.002.76	415
911416.003	415
911416.003.1	415
911416.003.1.76	415
911416.003.76	415
911416.004	415
911416.004.1	415
911416.004.1.76	415
911416.004.76	415
911417.002	415
911417.002.1	415
911417.002.1.76	415
911417.002.76	415
911417.003	415
911417.003.1	415
911417.003.1.76	415
911417.003.76	415
911417.004	415
911417.004.1	415
911417.004.1.76	415
911417.004.76	415
911418.002	415
911418.002.1	415
911418.002.1.76	415
911418.002.76	415
911418.003	415
911418.003.1	415
911418.003.1.76	415
911418.003.76	415
911418.004	415
911418.004.1	415
911418.004.1.76	415
911418.004.76	415
911419.002	415
911419.002.1	415
911419.002.1.76	415
911419.002.76	415
911419.003	415
911419.003.1	415
911419.003.1.76	415
911419.003.76	415
911419.004	415
911419.004.1	415
911419.004.1.76	415
911419.004.76	415
911420.002	415
911420.002.1	415
911420.002.1.76	415
911420.002.76	415
911420.003	415
911420.003.1	415
911420.003.1.76	415
911420.003.76	415
911420.004	415
911420.004.1	415
911420.004.1.76	415
911420.004.76	415
911421.002	415
911421.002.1	415
911421.002.1.76	415
911421.002.76	415
911421.003	415
911421.003.1	415
911421.003.1.76	415
911421.003.76	415
911421.004	415
911421.004.1	415
911421.004.1.76	415
911421.004.76	415
911422.002	416
911422.002.1	416
911422.002.1.76	416
911422.002.76	416
911422.003	416
911422.003.1	416
911422.003.1.76	416
911422.003.76	416
911422.004	416
911422.004.1	416
911422.004.1.76	416
911422.004.76	416
911423.002	416
911423.002.1	416
911423.002.1.76	416
911423.002.76	416
911423.003	416
911423.003.1	416
911423.003.1.76	416
911423.003.76	416
911423.004	416
911423.004.1	416
911423.004.1.76	416
911423.004.76	416
911424.002	416
911424.002.1	416
911424.002.1.76	416
911424.002.76	416
911424.003	416
911424.003.1	416
911424.003.1.76	416
911424.003.76	416
911424.004	416
911424.004.1	416
911424.004.1.76	416
911424.004.76	416
911425.002	416
911425.002.1	416
911425.002.1.76	416
911425.002.76	416
911425.003	416
911425.003.1	416
911425.003.1.76	416
911425.003.76	416
911425.004	416
911425.004.1	416
911425.004.1.76	416
911425.004.76	416
911426.002	416
911426.002.1	416
911426.002.1.76	416
911426.002.76	416
911426.003	416
911426.003.1	416
911426.003.1.76	416
911426.003.76	416
911426.004	416
911426.004.1	416
911426.004.1.76	416
911426.004.76	416
911427.002	416
911427.002.1	416
911427.002.1.76	416
911427.002.76	416
911427.003	416
911427.003.1	416
911427.003.1.76	416
911427.003.76	416
911427.004	416
911427.004.1	416
911427.004.1.76	416
911427.004.76	416
911428.002	416
911428.002.1	416
911428.002.1.76	416
911428.002.76	416
911428.003	416
911428.003.1	416
911428.003.1.76	416
911428.003.76	416
911428.004	416
911428.004.1	416
911428.004.1.76	416
911428.004.76	416
911429.002	416
911429.002.1	416
911429.002.1.76	416
911429.002.76	416
911429.003	416
911429.003.1	416
911429.003.1.76	416
911429.003.76	416
911429.004	416
911429.004.1	416
911429.004.1.76	416
911429.004.76	416
911430.002	416
911430.002.1	416
911430.002.1.76	416
911430.002.76	416
911430.003	416
911430.003.1	416
911430.003.1.76	416
911430.003.76	416
911430.004	416
911430.004.1	416
911430.004.1.76	416
911430.004.76	416
911431.002	416
911431.002.1	416
911431.002.1.76	416
911431.002.76	416
911431.003	416
911431.003.1	416
911431.003.1.76	416
911431.003.76	416
911431.004	416
911431.004.1	416
911431.004.1.76	416
911431.004.76	416
911432.002	416
911432.002.1	416
911432.002.1.76	416
911432.002.76	416
911432.003	416
911432.003.1	416
911432.003.1.76	416
911432.003.76	416
911432.004	416
911432.004.1	416
911432.004.1.76	416
911432.004.76	416
911433.002	416
911433.002.1	416
911433.002.1.76	416
911433.002.76	416
911433.003	416
911433.003.1	416
911433.003.1.76	416
911433.003.76	416
911433.004	416
911433.004.1	416
911433.004.1.76	416
911433.004.76	416
911434.002	419
911434.002.1	419
911434.002.1.76	419
911434.002.76	419
911434.003	419
911434.003.1	419
911434.003.1.76	419
911434.003.76	419
911434.004	419
911434.004.1	419
911434.004.1.76	419
911434.004.76	419
911435.002	419
911435.002.1	419
911435.002.1.76	419
911435.002.76	419
911435.003	419
911435.003.1	419
911435.003.1.76	419
911435.003.76	419
911435.004	419
911435.004.1	419
911435.004.1.76	419
911435.004.76	419
911436.002	419
911436.002.1	419
911436.002.1.76	419
911436.002.76	419
911436.003	419
911436.003.1	419
911436.003.1.76	419
911436.003.76	419
911436.004	419
911436.004.1	419
911436.004.1.76	419
911436.004.76	419
911437.002	419
911437.002.1	419
911437.002.1.76	419
911437.002.76	419
911437.003	419
911437.003.1	419
911437.003.1.76	419
911437.003.76	419
911437.004	419
911437.004.1	419
911437.004.1.76	419
911437.004.76	419
911438.002	419
911438.002.1	419
911438.002.1.76	419
911438.002.76	419
911438.003	419
911438.003.1	419
911438.003.1.76	419
911438.003.76	419
911438.004	419
911438.004.1	419
911438.004.1.76	419
911438.004.76	419
911439.002	419
911439.002.1	419
911439.002.1.76	419
911439.002.76	419
911439.003	419
911439.003.1	419
911439.003.1.76	419
911439.003.76	419
911439.004	419
911439.004.1	419
911439.004.1.76	419
911439.004.76	419
911440.002	419
911440.002.1	419
911440.002.1.76	419
911440.002.76	419
911440.003	419
911440.003.1	419
911440.003.1.76	419
911440.003.76	419
911440.004	419
911440.004.1	419
911440.004.1.76	419
911440.004.76	419
911441.002	419
911441.002.1	419
911441.002.1.76	419
911441.002.76	419
911441.003	419
911441.003.1	419
911441.003.1.76	419
911441.003.76	419
911441.004	419
911441.004.1	419
911441.004.1.76	419
911441.004.76	419
911442.002	419
911442.002.1	419
911442.002.1.76	419
911442.002.76	419
911442.003	419
911442.003.1	419
911442.003.1.76	419
911442.003.76	419
911442.004	419
911442.004.1	419
911442.004.1.76	419
911442.004.76	419
911443.002	419
911443.002.1	419
911443.002.1.76	419
911443.002.76	419
911443.003	419
911443.003.1	419
911443.003.1.76	419
911443.003.76	419
911443.004	419
911443.004.1	419
911443.004.1.76	419
911443.004.76	419
911444.002	419
911444.002.1	419
911444.002.1.76	419
911444.002.76	419
911444.003	419
911444.003.1	419
911444.003.1.76	419
911444.003.76	419
911444.004	419
911444.004.1	419
911444.004.1.76	419
911444.004.76	419
911445.002	419
911445.002.1	419
911445.002.1.76	419
911445.002.76	419
911445.003	419
911445.003.1	419
911445.003.1.76	419
911445.003.76	419
911445.004	419
911445.004.1	419
911445.004.1.76	419
911445.004.76	419
911446.002	419
911446.002.1	419
911446.002.1.76	419
911446.002.76	419
911446.003	419
911446.003.1	419
911446.003.1.76	419
911446.003.76	419
911446.004	419
911446.004.1	419
911446.004.1.76	419
911446.004.76	419
911447.002	419
911447.002.1	419
911447.002.1.76	419
911447.002.76	419
911447.003	419
911447.003.1	419

No.	Page
911447.003.1.76	419
911447.003.76	419
911447.004	419
911447.004.1	419
911447.004.1.76	419
911447.004.76	419
911448.002	420
911448.002.1	420
911448.002.1.76	420
911448.002.76	420
911448.003	420
911448.003.1	420
911448.003.1.76	420
911448.003.76	420
911448.004	420
911448.004.1	420
911448.004.1.76	420
911448.004.76	420
911449.002	420
911449.002.1	420
911449.002.1.76	420
911449.002.76	420
911449.003	420
911449.003.1	420
911449.003.1.76	420
911449.003.76	420
911449.004	420
911449.004.1	420
911449.004.1.76	420
911449.004.76	420
911450.002	420
911450.002.1	420
911450.002.1.76	420
911450.002.76	420
911450.003	420
911450.003.1	420
911450.003.1.76	420
911450.003.76	420
911450.004	420
911450.004.1	420
911450.004.1.76	420
911450.004.76	420
911451.002	420
911451.002.1	420
911451.002.1.76	420
911451.002.76	420
911451.003	420
911451.003.1	420
911451.003.1.76	420
911451.003.76	420
911451.004	420
911451.004.1	420
911451.004.1.76	420
911451.004.76	420
911452.002	420
911452.002.1	420
911452.002.1.76	420
911452.002.76	420
911452.003	420
911452.003.1	420
911452.003.1.76	420
911452.003.76	420
911452.004	420
911452.004.1	420
911452.004.1.76	420
911452.004.76	420
911453.002	420
911453.002.1	420
911453.002.1.76	420
911453.002.76	420
911453.003	420
911453.003.1	420
911453.003.1.76	420
911453.003.76	420
911453.004	420
911453.004.1	420
911453.004.1.76	420
911453.004.76	420
911454.002	420
911454.002.1	420
911454.002.1.76	420
911454.002.76	420
911454.003	420
911454.003.1	420
911454.003.1.76	420
911454.003.76	420
911454.004	420
911454.004.1	420
911454.004.1.76	420
911454.004.76	420
911455.002	420
911455.002.1	420
911455.002.1.76	420
911455.002.76	420
911455.003	420
911455.003.1	420
911455.003.1.76	420
911455.003.76	420
911455.004	420
911455.004.1	420
911455.004.1.76	420
911455.004.76	420
911456.002	420
911456.002.1	420
911456.002.1.76	420
911456.002.76	420
911456.003	420
911456.003.1	420
911456.003.1.76	420
911456.003.76	420
911456.004	420
911456.004.1	420
911456.004.1.76	420
911456.004.76	420
911457.002	420
911457.002.1	420
911457.002.1.76	420
911457.002.76	420
911457.003	420
911457.003.1	420
911457.003.1.76	420
911457.003.76	420
911457.004	420
911457.004.1	420
911457.004.1.76	420
911457.004.76	420
911458.002	420
911458.002.1	420
911458.002.1.76	420
911458.002.76	420
911458.003	420
911458.003.1	420
911458.003.1.76	420
911458.003.76	420
911458.004	420
911458.004.1	420
911458.004.1.76	420
911458.004.76	420
911459.002	420
911459.002.1	420
911459.002.1.76	420
911459.002.76	420
911459.003	420
911459.003.1	420
911459.003.1.76	420
911459.003.76	420
911459.004	420
911459.004.1	420
911459.004.1.76	420
911459.004.76	420
911460.002	420
911460.002.1	420
911460.002.1.76	420
911460.002.76	420
911460.003	420
911460.003.1	420
911460.003.1.76	420
911460.003.76	420
911460.004	420
911460.004.1	420
911460.004.1.76	420
911460.004.76	420
911461.002	420
911461.002.1	420
911461.002.1.76	420
911461.002.76	420
911461.003	420
911461.003.1	420
911461.003.1.76	420
911461.003.76	420
911461.004	420
911461.004.1	420
911461.004.1.76	420
911461.004.76	420
911462.002	407
911462.002.1	407
911462.002.1.76	407
911462.002.76	407
911462.003	407
911462.003.1	407
911462.003.1.76	407
911462.003.76	407
911462.004	407
911462.004.1	407
911462.004.1.76	407
911462.004.76	407
911463.002	407
911463.002.1	407
911463.002.1.76	407
911463.002.76	407
911463.003	407
911463.003.1	407
911463.003.1.76	407
911463.003.76	407
911463.004	407
911463.004.1	407
911463.004.1.76	407
911463.004.76	407
911464.002	407
911464.002.1	407
911464.002.1.76	407
911464.002.76	407
911464.003	407
911464.003.1	407
911464.003.1.76	407
911464.003.76	407
911464.004	407
911464.004.1	407
911464.004.1.76	407
911464.004.76	407
911465.002	407
911465.002.1	407
911465.002.1.76	407
911465.002.76	407
911465.003	407
911465.003.1	407
911465.003.1.76	407
911465.003.76	407
911465.004	407
911465.004.1	407
911465.004.1.76	407
911465.004.76	407
911466.002	407
911466.002.1	407
911466.002.1.76	407
911466.002.76	407
911466.003	407
911466.003.1	407
911466.003.1.76	407
911466.003.76	407
911466.004	407
911466.004.1	407
911466.004.1.76	407
911466.004.76	407
911467.002	407
911467.002.1	407
911467.002.1.76	407
911467.002.76	407
911467.003	407
911467.003.1	407
911467.003.1.76	407
911467.003.76	407
911467.004	407
911467.004.1	407
911467.004.1.76	407
911467.004.76	407
911468.002	407
911468.002.1	407
911468.002.1.76	407
911468.002.76	407
911468.003	407
911468.003.1	407
911468.003.1.76	407
911468.003.76	407
911468.004	407
911468.004.1	407
911468.004.1.76	407
911468.004.76	407
911469.002	407
911469.002.1	407
911469.002.1.76	407
911469.002.76	407
911469.003	407
911469.003.1	407
911469.003.1.76	407
911469.003.76	407
911469.004	407
911469.004.1	407
911469.004.1.76	407
911469.004.76	407
911470.002	407
911470.002.1	407
911470.002.1.76	407
911470.002.76	407
911470.003	407
911470.003.1	407
911470.003.1.76	407
911470.003.76	407
911470.004	407
911470.004.1	407
911470.004.1.76	407
911470.004.76	407
911471.002	407
911471.002.1	407
911471.002.1.76	407
911471.002.76	407
911471.003	407
911471.003.1	407
911471.003.1.76	407
911471.003.76	407
911471.004	407
911471.004.1	407
911471.004.1.76	407
911471.004.76	407
911472.002	407
911472.002.1	407
911472.002.1.76	407
911472.002.76	407
911472.003	407
911472.003.1	407
911472.003.1.76	407
911472.003.76	407
911472.004	407
911472.004.1	407
911472.004.1.76	407
911472.004.76	407
911473.002	407
911473.002.1	407
911473.002.1.76	407
911473.002.76	407
911473.003	407
911473.003.1	407
911473.003.1.76	407
911473.003.76	407
911473.004	407
911473.004.1	407
911473.004.1.76	407
911473.004.76	407
911474.002	407
911474.002.1	407
911474.002.1.76	407
911474.002.76	407
911474.003	407
911474.003.1	407
911474.003.1.76	407
911474.003.76	407
911474.004	407
911474.004.1	407
911474.004.1.76	407
911474.004.76	407
911475.002	407
911475.002.1	407
911475.002.1.76	407
911475.002.76	407
911475.003	407
911475.003.1	407
911475.003.1.76	407
911475.003.76	407
911475.004	407
911475.004.1	407
911475.004.1.76	407
911475.004.76	407
911476.002	173
911476.002.1	173
911476.002.1.76	173
911476.002.76	173
911476.003	173
911476.003.1	173
911476.003.1.76	173
911476.003.76	173
911476.004	173
911476.004.1	173
911476.004.1.76	173
911476.004.76	173
911477.002	173
911477.002.1	173
911477.002.1.76	173
911477.002.76	173
911477.003	173
911477.003.1	173
911477.003.1.76	173
911477.003.76	173
911477.004	173
911477.004.1	173
911477.004.1.76	173
911477.004.76	173
911478.002	173
911478.002.1	173
911478.002.1.76	173
911478.002.76	173
911478.003	173
911478.003.1	173
911478.003.1.76	173
911478.003.76	173
911478.004	173
911478.004.1	173
911478.004.1.76	173
911478.004.76	173
911479.002	173
911479.002.1	173
911479.002.1.76	173
911479.002.76	173
911479.003	173
911479.003.1	173
911479.003.1.76	173
911479.003.76	173
911479.004	173
911479.004.1	173
911479.004.1.76	173
911479.004.76	173
911480.002	174
911480.002.1	174
911480.002.1.76	174
911480.002.76	174
911480.003	174
911480.003.1	174
911480.003.1.76	174
911480.003.76	174
911480.004	174
911480.004.1	174
911480.004.1.76	174
911480.004.76	174
911481.002	174
911481.002.1	174
911481.002.1.76	174
911481.002.76	174
911481.003	174
911481.003.1	174
911481.003.1.76	174
911481.003.76	174
911481.004	174
911481.004.1	174
911481.004.1.76	174
911481.004.76	174
921462.003.76	495

No.	Page
921463.003.76	495
921464.003.76	495
921465.003.76	495
921466.003.76	495
921467.003.76	495
921468.003.76	495
921469.003.76	495
921470.003.76	497
921471.003.76	497
921472.003.76	497
921483.003	502
921483.003.76	502
921484.003	502
921484.003.76	502
921485.003	502
921485.003.76	502
921486.003	502
921486.003.76	502
921487.003	502
921487.003.76	502
921488.003	502
921488.003.76	502
921492.003	502
921492.003.76	502
921493.003	502
921493.003.76	502
921494.003	502
921494.003.76	502
921495.003	503
921495.003.2.76	503
921495.003.76	503
921496.003	503
921496.003.2.76	503
921496.003.76	503
921497.003	503
921497.003.2.76	503
921497.003.76	503
921498.003	501
921498.003.76	501
921499.003	501
921499.003.1	501
921499.003.76	501
921500.003	501
921500.003.76	501
921501.003	501
921501.003.1	501
921501.003.76	501
921502.003	501
921502.003.76	501
921503.003	501
921503.003.1	501
921503.003.76	501
921504.003	505
921505.003	505
921506.003	505
925137.002	469
925137.002.76	469
925138.002	469
925138.002.76	469
925140.002	469
925140.002.76	469
925141.002	469
925141.002.76	469
925142.002	469
925142.002.76	469
925144.002	469
925144.002.76	469
925145.002	469
925145.002.76	469
925146.002	469
925146.002.76	469
925148.002	469
925148.002.76	469
925149.002	469
925149.002.76	469
925150.002	469
925150.002.76	469
925152.002	469
925152.002.76	469
925153.002	466
925153.002.76	466
925154.002	466
925154.002.76	466
925156.002	466
925156.002.76	466
925157.002	466
925157.002.76	466
925158.002	466
925158.002.76	466
925160.002	466
925160.002.76	466
925161.002	466
925161.002.76	466
925162.002	466
925162.002.76	466
925164.002	466
925164.002.76	466
925165.002	466
925165.002.76	466
925166.002	466
925166.002.76	466
925168.002	466
925168.002.76	466
925169.002	462
925170.002	462
925171.002	462
925172.002	462
925173.002	462
925174.002	462
925175.002	462
925176.002	462
925177.002	462
925178.002	462
925179.002	462
925180.002	462
925181.002	462
925182.002	462
925183.002	462
925184.002	462
925184.002.1	463
925186.002	465
925187.002	464
925188.000	462
925189.002	464
925190.002	464
925191.002	464
925192.002	464
925193.002	464
925194.002	464
925205.002	468
925206.002	468
925206.002.76	468
925207.002	468
925207.002.76	468
925208.002	468
925209.002	468
925210.002	468
925211.002	468
925212.002	471
925213.002	471
925214.002	471
925223.002	469
925223.002.76	469
925224.002	469
925224.002.76	469
925225.002	469
925225.002.76	469
925226.002	469
925226.002.76	469
925227.002	466
925227.002.76	466
925228.002	466
925228.002.76	466
925229.002	466
925229.002.76	466
925230.002	466
925230.002.76	466
925231.002	468
925231.002.76	468
925233.002	468
925237.002	852
925237.002.04	852
925237.002.07	852
925238.002	852
925238.002.89	852
925240.002	464
925241.002	464
925242.002	464
925248.002	463
925249.009	463
925254.002	467
925254.002.76	467
925255.002	467
925255.002.76	467
925257.002	467
925257.002.76	467
925258.002	467
925258.002.76	467
925259.002	470
925259.002.76	470
925260.002	470
925260.002.76	470
925262.002	470
925262.002.76	470
925263.002	470
925263.002.76	470
925313.002	467
925313.002.76	467
925314.002	467
925314.002.76	467
925315.002	467
925315.002.76	467
925373.004	314
925374.004	314
925375.004	314
925376.004	314
925377.004	314
925378.000	315
925378.002	315
925379.002	315
925380.000	315
925380.002	315
925381.002	315
925382.002	465
925383.002	467
925383.002.76	467
925384.002	467
925384.002.76	467
925386.002	467
925386.002.76	467
925387.002	467
925387.002.76	467
931169.002	389
931169.002.1	389
931169.002.1.76	389
931169.002.76	389
931169.004	389
931169.004.1	389
931169.004.1.76	389
931169.004.76	389
931171.002	389
931171.002.1	389
931171.002.1.76	389
931171.002.76	389
931171.004	389
931171.004.1	389
931171.004.1.76	389
931171.004.76	389
931175.002	33
931175.002.1	33
931176.002	33
931176.002.1	33
931178.002	33
931178.002.1	33
931180.002	33
931180.002.1	33
931181.002	171
931181.002.1	171
931182.002	171
931182.002.1	171
931183.002	171
931183.002.1	171
931184.002	171
931184.002.1	171
931185.002	389
931185.002.1	389
931185.002.1.76	389
931185.002.76	389
931185.004	389
931185.004.1	389
931185.004.1.76	389
931185.004.76	389
931186.0031	900
931187.0031	900
931188.002	385
931188.002.1	385
931188.002.1.76	385
931188.002.76	385
931189.002	385
931189.002.1	385
931189.002.1.76	385
931189.002.76	385
931190.002	385
931190.002.1	385
931190.002.1.76	385
931190.002.76	385
931191.002	385
931191.002.1	385
931191.002.1.76	385
931191.002.76	385
931192.002	386
931192.002.1	386
931192.002.1.76	386
931192.002.76	386
931193.002	386
931193.002.1	386
931193.002.1.76	386
931193.002.76	386
931194.002	386
931194.002.1	386
931194.002.1.76	386
931194.002.76	386
931195.002	386
931195.002.1	386
931195.002.1.76	386
931195.002.76	386
981142.0131	637
981142.014	637
981143.0131	639
981143.014	639
981144.002	777
981151.0044	165
981152.0044	165
981167.002	765
981168.002	782
981210.002	599
981211.002	599
981212.002	597
981221.0044	165
981222.000	161
981230.0044	161
981457.002	125
981464.002	125
981466.002	125
981467.002	125
981470.002	125
981485.002	781
981502.000	733
981502.000.04	733
981504.000	733
981504.000.04	733
981506.000	733
981506.000.04	733
981508.000	733
981508.000.04	733
981510.000	733
981510.000.04	733
981512.000	733
981512.000.04	733
981581.004	750
981583.002	781
981629.002	29
981630.002	29
981631.002	29
981632.002	27
981633.002	27
981634.002	27
981639.010	750
981639.020	750
981639.040	750
981639.060	750
981640.004	750
981647.000	750
981647.010	750
981647.020	750
981647.040	750
981675.030	363
981675.032	363
981675.040	363
981675.050	363
981678.002	389
981678.004	389
981685.000	751
981686.000	751
981687.000	751
981694.002	389
981694.004	389
981701.004	750
981702.004	750
981712.0024/301	55
981712.0024/381	55
981712.0024/497	55
981753.002	363
981753.004	363
981753.012	363
981753.014	363
981753.022	363
981753.024	363
981753.032	363
981753.034	363
981754.002	363
981754.004	363
981754.032	363
981754.034	363
981754.042	363
981754.044	363
981754.052	363
981754.054	363
981754.062	363
981754.064	363
981755.002	363
981755.004	363
981755.012	363
981755.014	363
981756.002	363
981756.004	363
981756.012	363
981756.014	363
981756.022	363
981756.024	363
981756.032	363
981756.034	363
981757.002	363
981757.004	363
981757.012	363
981757.014	363
981757.022	363
981757.024	363
981757.032	363
981757.034	363
981758.000	363
981758.002	363
981758.010	363
981758.020	363
981761.0024/301	55
981761.0024/381	55
981761.0024/497	55
981762.000	23
981763.000	23
981777.012.1	753
981777.014.1	753
981777.032.1	753
981777.034.1	753
981779.002.1	753
981779.004.1	753
981780.002.1	753
981780.004.1	753
981796.000	731
981797.002.1	753
981797.004.1	753
981804.002	83
981804.004	83
981804.0042	83
981805.002	84
981805.004	84

No.	Page
981805.0042	84
981806.002	83
981806.004	83
981806.0042	83
981867.002	333
981868.002	333
981869.002	333
981870.002	333
981871.002	333
981872.002	333
981883.002.1	753
981883.004.1	753
981884.002.1	753
981884.004.1	753
981892.000	23
981893.000	23
981895.002	363
981895.004	363
981895.012	363
981895.014	363
981895.022	363
981895.024	363
981895.032	363
981895.034	363
981896.002	363
981896.004	363
981896.032	363
981896.034	363
981896.042	363
981896.044	363
981896.052	363
981896.054	363
981896.062	363
981896.064	363
981897.002	363
981897.004	363
981897.012	363
981897.014	363
981897.022	363
981897.024	363
981897.032	363
981897.034	363
981898.002	363
981898.004	363
981898.012	363
981898.014	363
981899.002	363
981899.004	363
981899.012	363
981899.014	363
981899.022	363
981899.024	363
981899.032	363
981899.034	363
981903.002.2S1	517
981903.003.2S1	517
981908.002	519
981908.003	519
981913.002	523
981913.003	523
981921.002	796
981933.0031	661
981933.004	661
981933.0131	661
981933.014	661
981934.0031	665
981934.004	665
981934.0131	665
981934.014	665
981935.000	727
981941.002	203
981941.012	200
981942.002	203
981942.012	200
981947.002	257
981948.002	257
981952.002	520
981961.002	864
981962.003	663
981963.002	796
981978.010	200
981979.020	200
981979.030	201
981980.012	200
981984.0031	669
981984.004	669
981986.002	447
981986.003	447
981986.100	447
981987.012	207
982002.000	670
982002.0031	670
982002.004	670
982003.000	670
982003.0031	670
982003.004	670
982004.000	670
982004.0031	670
982004.004	670
982005.000	670
982005.0031	670
982005.004	670
982011.000	649
982012.000	649
982013.000	649
982014.000	649
982014.010	649
982014.020	650
982014.030	650
982015.003	649
982016.000	649
982029.002	719
982032.002	719
982035.022	201
982045.000	670
982045.0031	670
982045.004	670
982046.000	670
982046.0031	670
982046.004	670
982047.000	662
982047.0031	662
982047.004	662
982048.000	662
982048.0031	662
982048.004	662
982049.000	662
982049.0031	662
982049.004	662
982050.000	662
982050.0031	662
982050.004	662
982052.0031	670
982052.004	670
982053.0031	677
982053.004	677
982058.000	662
982058.0031	662
982059.000	677
982059.0031	677
982059.004	677
982060.004	665
982066.002	715
982066.012	715
982067.002	715
982067.012	715
982068.002	715
982068.012	715
982072.002	374
982073.002	374
982074.002	374
982086.000	662
982086.0031	662
982088.000	647
982088.010	647
982089.003	647
982090.000	662
982091.000	662
982092.000	666
982093.000	666
982097.002.76	307
982098.003	679
982099.000	679
982100.000	679
982101.003	679
982102.003	679
982103.000	621
982103.010	617
982106.002	208
982106.012	201
982108.002	561
982108.0131	629
982108.014	629
982110.002	562
982112.003	502
982114.004	502
982115.000	502
982115.010	503
982117.009	487
982118.000	487
982119.002	374
982132.002	633
982133.002	633
982138.002	376
982139.002	376
982140.002	376
982141.002	376
982142.002	561
982143.002	629
982151.002	561
982152.0031	630
982152.004	630
982154.002	630
982155.000	621
982155.010	617
982156.000	630
982157.000	633
982159.006	655
982159.007	655
982159.0077	655
982159.008	655
982160.006	656
982160.007	656
982160.0077	656
982160.008	656
982161.006	657
982161.007	657
982161.0077	657
982161.008	657
982162.003	655
982163.003	656
982164.003	657
982165.003	655
982166.003	656
982167.003	657
982168.003	655
982169.003	656
982170.003	657
982171.002	102
982171.002.1	102
982172.002	716
982172.002.1	716
982173.002	102
982173.002.1	102
982174.002	717
982174.002.1	717
982175.002	42
982175.002.1	42
982176.002	633
982179.009	482
982180.000	483
982181.002	374
982182.002	374
982183.002	374
982186.009	483
982187.012	207
982187.032	200
982190.012	208
982190.032	208
982190.042	201
982194.003	643
982195.002	807
982196.002	315
982197.000	315
982198.000	315
982199.000	315
982200.000	315
982201.000	315
982203.000	316
982204.000	315
982205.000	316
982206.000	316
982207.000	316
982208.000	316
982210.000	316
982224.002.1	759
982224.004.1	759
982229.0044	161
982230.0044	161
982231.0044	161
982232.002	317
982232.002.76	317
982233.002	307
982233.002.76	307
982234.002	317
982234.002.76	317
982235.002	317
982235.002.76	311
982236.000	635
982237.000	464
982240.003	909
982241.0031	655
982242.0031	656
982244.002	732
982244.002.04	732
982244.002.07	732
982245.002	732
982245.002.04	732
982245.002.07	732
982246.002	732
982246.002.04	732
982246.002.07	732
982248.002	732
982248.002.04	732
982248.002.07	732
982249.002	732
982249.002.04	732
982249.002.07	732
982250.002	732
982250.002.04	732
982250.002.07	732
982252.002	525
982253.002	525
982254.002	526
982257.002	809
982260.0031	621
982260.004	621
982261.0031	623
982261.004	623
982262.0031	627
982262.004	627
982262.0131	627
982262.014	627
982263.0031	621
982263.004	621
982264.0031	623
982264.004	623
982266.004	501
982267.000	501
982270.002.25	719
982271.002.25	719
982274.002	761
982275.003	675
982290.012	207
982291.002	207
982292.002	207
982292.022	200
982293.012	208
982294.002	208
982295.012	208
982295.022	208
982295.032	201
982299.002	338
982300.002	338
982301.002	339
982302.002	339
982304.002	338
982305.002	338
982306.002	339
982307.002	339
982309.002	338
982310.002	338
982311.002	339
982312.002	339
982314.002	338
982315.002	338
982316.002	339
982317.002	339
982319.002	324
982320.002	324
982321.002	324
982322.002	324
982323.002	205
982324.002	324
982325.002	324
982326.002	324
982327.002	324
982328.002	205
982337.003	503
982338.004	503
982341.002	763
982354.002	807
982357.012	207
982367.009	661
982368.003	173
982368.013	173
982368.023	173
982368.033	173
982369.003	173
982369.013	173
982369.023	173
982369.033	173
982369.043	173
982370.000	173
982370.010	173
982371.003	173
982372.003	174
982372.013	174
982372.023	174
982372.033	174
982373.003	174
982373.013	174
982373.023	174
982374.000	174
982374.010	174
982375.003	174
982377.002	509
982378.002	509
982378.012	509
982378.022	509
982378.032	509
982378.042	509
982379.002	509
982384.002	525
982386.002	177
982387.002	177
982388.002	177
982389.002	177
982390.009	509
982391.009	509
982394.002	477
982395.000	477
982396.002	477
982398.003	643
982399.003	643
982400.002	463
982400.003	463
982401.0031	670
982401.004	670
982405.003	435
982407.003	673
982408.000	643
982408.010	643
982410.003	551
982413.002	792
982414.002	792
982415.002	792
982416.002	792
982416.002.04	792
982416.002.07	792
982419.002	173
982420.002	174
982421.002	173
982422.002	174
982423.002	763

No.	Page
982424.002	763
982425.002	763
982425.002.04	763
982425.002.07	763
982426.002	208
982429.009	482
982430.000	482
982431.002	411
982431.003	411
982431.004	411
982432.002	411
982432.003	411
982432.004	411
982433.002	411
982433.003	411
982433.004	411
982436.000	697
982448.003	435
982449.002	245
982449.012	245
982450.002	245
982450.012	245
982451.002	510
982452.002	510
982455.0031	693
982455.004	693
982456.0031	693
982456.004	693
982457.0031	693
982457.004	693
982458.0031	693
982458.004	693
982474.000	911
982475.0031	677
982475.004	677
982477.014	771
982478.0031	670
982478.004	670
982480.009	526
982481.002	526
982493.002	338
982494.002	338
982495.002	339
982496.002	339
982497.002	338
982498.002	338
982499.002	339
982500.002	339
982501.002	325
982502.002	325
982503.002	325
982504.002	325
982505.002	325
982506.002	325
982507.002	325
982508.002	325
982510.000	909
982511.002	551
982512.002	551
982513.002	567
982514.002	553
982515.002	567
982516.002	551
982520.002	311
982520.002.1	311
982521.002	311
982521.002.1	311
982522.002	311
982522.002.1	311
982524.0031	662
982524.004	662
982525.0031	670
982525.004	670
982527.0031	625
982527.004	625
982539.000	314
982539.000.1	314
982540.000	314
982540.000.1	314
982541.000	314
982541.000.1	314
982542.000	314
982543.000	314
982544.003	435
982545.002	316
982546.002	316
982547.002	316
982548.002	316
982549.002	316
982550.002	316
982553.0031	639
982553.004	639
982554.0031	629
982554.004	629
982555.002	328
982556.002	328
982557.002	328
982558.002	329
982559.002	329
982562.000	689
982563.009	245
982564.009	245
982565.002	245
982566.003	679
982567.003	679
982570.009	173
982571.009	173
982572.002	173
982582.009	170
982583.009	170
982584.002	170
982585.002	597
982586.009	557
982587.002	557
982588.000	689
982589.000	689
982590.000	689
982591.000	689
985405.1	725
985578	723
985578.1	723
991126.04	753
991129.03	753
991130.04	759
991152	782
991153	777
99220.003.0	577
99220.003.1	577
99220.003.2	577
99220.003.3	577
99220.003.4	577
99220.003.5	577
99220.003.6	577
99220.003.7	577
99220.003.8	577
99220.003.9	577
99220.003.A	577
99220.003.A/K	577
99220.003.B	577
99220.003.B/K	577
99220.003.C	577
99220.003.C/K	577
99220.003.D	577
99220.003.D/K	577
99220.003.E	577
99220.003.E/K	577
99220.003.F	577
99220.003.F/K	577
99220.003.G	577
99220.003.G/K	577
99220.003.H	577
99220.003.H/K	577
99220.003.I	577
99220.003.I/K	577
99220.003.J	577
99220.003.J/K	577
99220.003.K	577
99220.003.K/K	577
99220.003.L	577
99220.003.L/K	577
99220.003.M	577
99220.003.M/K	577
99220.003.N	577
99220.003.N/K	577
99220.003.O	577
99220.003.O/K	577
99220.003.P	577
99220.003.P/K	577
99220.003.Q	577
99220.003.Q/K	577
99220.003.R	577
99220.003.R/K	577
99220.003.S	577
99220.003.S/K	577
99220.003.T	577
99220.003.T/K	577
99220.003.U	577
99220.003.U/K	577
99220.003.V	577
99220.003.V/K	577
99220.003.W	577
99220.003.W/K	577
99220.003.X	577
99220.003.X/K	577
99220.003.Y	577
99220.003.Y/K	577
99220.003.Z	577
99220.003.Z/K	577
99221.003.0	577
99221.003.1	577
99221.003.2	577
99221.003.3	577
99221.003.4	577
99221.003.5	577
99221.003.6	577
99221.003.7	577
99221.003.8	577
99221.003.9	577
99221.003.A	577
99221.003.A/K	577
99221.003.B	577
99221.003.B/K	577
99221.003.C	577
99221.003.C/K	577
99221.003.D	577
99221.003.D/K	577
99221.003.E	577
99221.003.E/K	577
99221.003.F	577
99221.003.F/K	577
99221.003.G	577
99221.003.G/K	577
99221.003.H	577
99221.003.H/K	577
99221.003.I	577
99221.003.I/K	577
99221.003.J	577
99221.003.J/K	577
99221.003.K	577
99221.003.K/K	577
99221.003.L	577
99221.003.L/K	577
99221.003.M	577
99221.003.M/K	577
99221.003.N	577
99221.003.N/K	577
99221.003.O	577
99221.003.O/K	577
99221.003.P	577
99221.003.P/K	577
99221.003.Q	577
99221.003.Q/K	577
99221.003.R	577
99221.003.R/K	577
99221.003.S	577
99221.003.S/K	577
99221.003.T	577
99221.003.T/K	577
99221.003.U	577
99221.003.U/K	577
99221.003.V	577
99221.003.V/K	577
99221.003.W	577
99221.003.W/K	577
99221.003.X	577
99221.003.X/K	577
99221.003.Y	577
99221.003.Y/K	577
99221.003.Z	577
99221.003.Z/K	577
99221.013.0	569
99221.013.1	569
99221.013.2	569
99221.013.3	569
99221.013.4	569
99221.013.5	569
99221.013.6	569
99221.013.7	569
99221.013.8	569
99221.013.9	569
99221.013.A	569
99221.013.A/K	569
99221.013.B	569
99221.013.B/K	569
99221.013.C	569
99221.013.C/K	569
99221.013.D	569
99221.013.D/K	569
99221.013.E	569
99221.013.E/K	569
99221.013.F	569
99221.013.F/K	569
99221.013.G	569
99221.013.G/K	569
99221.013.H	569
99221.013.H/K	569
99221.013.I	569
99221.013.I/K	569
99221.013.J	569
99221.013.J/K	569
99221.013.K	569
99221.013.K/K	569
99221.013.L	569
99221.013.L/K	569
99221.013.M	569
99221.013.M/K	569
99221.013.N	569
99221.013.N/K	569
99221.013.O	569
99221.013.O/K	569
99221.013.P	569
99221.013.P/K	569
99221.013.Q	569
99221.013.Q/K	569
99221.013.R	569
99221.013.R/K	569
99221.013.S	569
99221.013.S/K	569
99221.013.T	569
99221.013.T/K	569
99221.013.U	569
99221.013.U/K	569
99221.013.V	569
99221.013.V/K	569
99221.013.W	569
99221.013.W/K	569
99221.013.X	569
99221.013.X/K	569
99221.013.Y	569
99221.013.Y/K	569
99221.013.Z	569
99221.013.Z/K	569
99222.003./	577
99222.003.0	577
99222.003.1	577
99222.003.2	577
99222.003.3	577
99222.003.4	577
99222.003.5	577
99222.003.6	577
99222.003.7	577
99222.003.8	577
99222.003.9	577
99222.003.A	577
99222.003.A/K	577
99222.003.B	577
99222.003.B/K	577
99222.003.C	577
99222.003.C/K	577
99222.003.D	577
99222.003.D/K	577
99222.003.E	577
99222.003.E/K	577
99222.003.F	577
99222.003.F/K	577
99222.003.G	577
99222.003.G/K	577
99222.003.H	577
99222.003.H/K	577
99222.003.I	577
99222.003.I/K	577
99222.003.J	577
99222.003.J/K	577
99222.003.K	577
99222.003.K/K	577
99222.003.L	577
99222.003.L/K	577
99222.003.M	577
99222.003.M/K	577
99222.003.N	577
99222.003.N/K	577
99222.003.O	577
99222.003.O/K	577
99222.003.P	577
99222.003.P/K	577
99222.003.Q	577
99222.003.Q/K	577
99222.003.R	577
99222.003.R/K	577
99222.003.S	577
99222.003.S/K	577
99222.003.T	577
99222.003.T/K	577
99222.003.U	577
99222.003.U/K	577
99222.003.V	577
99222.003.V/K	577
99222.003.W	577
99222.003.W/K	577
99222.003.X	577
99222.003.X/K	577
99222.003.Y	577
99222.003.Y/K	577
99222.003.Z	577
99222.003.Z/K	577
99222.013.0	569
99222.013.1	569
99222.013.2	569
99222.013.3	569
99222.013.4	569
99222.013.5	569
99222.013.6	569
99222.013.7	569
99222.013.8	569
99222.013.9	569
99222.013.A	569
99222.013.A/K	569
99222.013.B	569
99222.013.B/K	569
99222.013.C	569
99222.013.C/K	569
99222.013.D	569
99222.013.D/K	569
99222.013.E	569
99222.013.E/K	569
99222.013.F	569
99222.013.F/K	569
99222.013.G	569
99222.013.G/K	569
99222.013.H	569
99222.013.H/K	569
99222.013.I	569
99222.013.I/K	569
99222.013.J	569
99222.013.J/K	569
99222.013.K	569
99222.013.K/K	569
99222.013.L	569
99222.013.L/K	569
99222.013.M	569
99222.013.M/K	569
99222.013.N	569
99222.013.N/K	569
99222.013.O	569
99222.013.O/K	569

No.	Page
99222.013.P	569
99222.013.P/K	569
99222.013.Q	569
99222.013.Q/K	569
99222.013.R	569
99222.013.R/K	569
99222.013.S	569
99222.013.S/K	569
99222.013.T	569
99222.013.T/K	569
99222.013.U	569
99222.013.U/K	569
99222.013.V	569
99222.013.V/K	569
99222.013.W	569
99222.013.W/K	569
99222.013.X	569
99222.013.X/K	569
99222.013.Y	569
99222.013.Y/K	569
99222.013.Z	569
99222.013.Z/K	569
99223.003.0	577
99223.003.1	577
99223.003.2	577
99223.003.3	577
99223.003.4	577
99223.003.5	577
99223.003.6	577
99223.003.7	577
99223.003.8	577
99223.003.9	577
99223.003.A	577
99223.003.B	577
99223.003.C	577
99223.003.D	577
99223.003.E	577
99223.003.F	577
99223.003.G	577
99223.003.H	577
99223.003.I	577
99223.003.J	577
99223.003.K	577
99223.003.L	577
99223.003.M	577
99223.003.N	577
99223.003.O	577
99223.003.P	577
99223.003.Q	577
99223.003.R	577
99223.003.S	577
99223.003.T	577
99223.003.U	577
99223.003.V	577
99223.003.W	577
99223.003.X	577
99223.003.Y	577
99223.003.Z	577
99223.013.0	569
99223.013.1	569
99223.013.2	569
99223.013.3	569
99223.013.4	569
99223.013.5	569
99223.013.6	569
99223.013.7	569
99223.013.8	569
99223.013.9	569
99223.013.A	569
99223.013.B	569
99223.013.C	569
99223.013.D	569
99223.013.E	569
99223.013.F	569
99223.013.G	569
99223.013.H	569
99223.013.I	569
99223.013.J	569
99223.013.K	569
99223.013.L	569
99223.013.M	569
99223.013.N	569
99223.013.O	569

No.	Page
99223.013.P	569
99223.013.Q	569
99223.013.R	569
99223.013.S	569
99223.013.T	569
99223.013.U	569
99223.013.V	569
99223.013.W	569
99223.013.X	569
99223.013.Y	569
99223.013.Z	569
99224.003.0	577
99224.003.1	577
99224.003.2	577
99224.003.3	577
99224.003.4	577
99224.003.5	577
99224.003.6	577
99224.003.7	577
99224.003.8	577
99224.003.9	577
99224.003.A	577
99224.003.B	577
99224.003.C	577
99224.003.D	577
99224.003.E	577
99224.003.F	577
99224.003.G	577
99224.003.H	577
99224.003.I	577
99224.003.J	577
99224.003.K	577
99224.003.L	577
99224.003.M	577
99224.003.N	577
99224.003.O	577
99224.003.P	577
99224.003.Q	577
99224.003.R	577
99224.003.S	577
99224.003.T	577
99224.003.U	577
99224.003.V	577
99224.003.W	577
99224.003.X	577
99224.003.Y	577
99224.003.Z	577
99350.3	733
E90-6706.000	60
E90-6706.010	60
E90-6707.000	60
E90-6707.010	60
E90-6708.000	60
E90-6708.000.76	60
E90-6708.010	60
E90-6708.010.76	60
E90-6823.000	60
E90-6823.000.76	60
E90-6823.010	60
E90-6823.010.76	60
E90-6843.000	61
E90-6843.000.1	61
E90-6843.010	61
E90-6843.010.1	61
E90-6843.020	60
E90-6843.020.1	60
E90-6844.000	61
E90-6844.000.1	61
E90-6844.010	61
E90-6844.010.1	61
E90-6844.020	60
E90-6844.020.1	60
W06630	205

A

Abbreviations 915
Alea Spot 281
Alu-Design
- Wall luminaires 553
- Ceiling and wall luminaires 601
- Escape route illumination 871

Alu-Lux oval
- Wall luminaires 557
- Ceiling and wall luminaires 605

Alu-Quadrat with daylight sensor 572
Alu-Standard 131, 607
Alu-Star
- Projectors and floodlights 654
- Pole luminaires 692

Alu-Superior
- Wall luminaires 555
- Ceiling and wall luminaires 603

Andho Flat 389
Andho High 389
Andho Midi 389
Arelo 351
Areno 131, 607

B

Baleva 121
Ballasts 915
Basic 43
Basic Ball 160-165
Binning 915
Bocaro 617
Bollards 609
Brick EVO 539
Brick Steps 535-536
Built-in pendant set 140

C

Cadero Disca / Quadra
- Ceiling and wall luminaires 599
- Escape route illumination 869

Calido Clickbeam 435
Ceiling and wall luminaires 579
Ceiling and wall luminaires
- decorative 45
- traditional 99
- linear 113

Ceiling luminaires 31
Central Power Supply (CPS) 722
Centryxx 810
Centryxx 2-LED 811
Centryxx D 761
Centryxx D RZ 763
Centryxx IP65 809
Centryxx IP65plus 812
Centryxx RZ 796
Centryxx RZ IP65 795
Centryxx W IP65 815
Centryxx W IP65plus 816
Chemical Resistance 918
Circuit designation plates 733
Colonna IP 44 42
Commissioning 517
Continuous line luminaire system 457
Coros Kristall 41
Customer Contact 952
Cyl 545
Cylio
- Ceiling luminaires 35
- Pendant luminaires 167-168

D

DALI interface 723
Deecos P 173-174
Deecos R 407
Deecos S 425-433
Decorative built-in pendant set 140
DKN Classic 105
DKN Kreis 104
DKN Quadrat 105
Douala
- Recessed ceiling and wall l. 23
- Ceiling and wall luminaires 49
- Pendant luminaires 155

Douala Kristall
- Ceiling and wall luminaires 53
- Pendant luminaires 159

Douala Slim
- Recessed ceiling and wall l. 25
- Ceiling and wall luminaires 51
- Pendant luminaires 157

Double Schuko power socket with earth spike 682

E

Econe
- Recessed modular lum. 195
- Surface mounted modular l. 219
- Suspended modular lum. 255

Edo 3 825
Edo 4 825
Electrotechnical variants and additions 914
Emergency conversion kits 732
Energo Darklight 353
Escape route identification 738
Escape route illumination 802
Explanation of values indicated in this catalogue 916

F

Fabric lampshade luminaires 319
Flat Basic 91-93
Flat Kreis 95
Flat Polymero
- Ceiling and wall luminaires 82-85
- Pendant luminaires 186
- Escape route illumination 863

Flat Polymero IP44 87-89
Flat Polymero Kreis
- Ceiling and wall luminaires 74-77
- Pendant luminaires 182
- Escape route illumination 867

Flat Polymero Kreis Slim
- Ceiling and wall luminaires 69-70
- Pendant luminaires 179

Flat Polymero Kreis XXL
- Ceiling and wall luminaires 73
- Pendant luminaires 181

Flat Polymero Sensation Kreis 73, 589
Flat Polymero Sensation XXL 81
Flat Polymero Super XXL
- Ceiling and wall luminaires 81
- Pendant luminaires 185

Flat Polymero XXL
- Ceiling and wall luminaires 81
- Pendant luminaires 185

Flat Quadrat 97
Flat Slim
- Indoor luminaires 60-63
- Outdoor luminaires 581-584

Flatliner 333-334
Flatliner Slim 328-331
Free-standing luminaires 267

G

Garden luminaires 893
General information 915
Glasdownlight
- Ceiling luminaires 33
- Pendant luminaires 171

Golas 419-420
Gonia 697
GSUN 2 775
GSUN 3, Universal 3 777-778
GSUN 4, Universal 4 781-782
GSUN D, Universal D 759
GSUN RS, Universal RS 757
GSUN S, Universal S 753

H

Halyxx 749-751
HB 601 891
Heledon
- Recessed downlights 354-356
- Surface mounted downl. 384-386

Hemis 233
High Power 309
Highbay lighting 493
Home
- Indoor lighting 883
- Outdoor lighting 893
- Garden luminaires 908
- Solar luminaires 906

House number luminaires 565

I

Icons 13
IK code: Impact protection 914
In-ground luminaires 641
Industrial Hall 501-505
ISO lampholders for linear lamps 127

K

Keralux 110
Kit décoratif de montage par suspension 140
Kreis 102-103
Kreis with daylight sensor 574
Kugel Opal 562

L

Laruta 699
Lavano
Ceiling and wall luminaires 115
Pendant luminaires 191
Lavano Uno
Ceiling and wall luminaires 116
Pendant luminaires 191
Lavano Wing
Ceiling and wall luminaires 115
Pendant luminaires 191
LED conversion kits 714-719
LED it Strip 311
LED linear systems 279
Ledona ECO 371
Ledona 364-369
Less is more 21 283-284
Less is more 27
Free-standing luminaires 268-271
LED linear systems 287-291
Less is more 27 Kristall 188
Less is more 50 295-298
Less is more Flex 312-317
Levido 347-349
Levido Swing 401-402
light control +[3]
Economy MULTI DALI 517
Professional CIRCADIAN 523
Professional CONTROL 519
Light management 507
Lightstream LED
Projectors and floodlights 660-677
Escape route illumination 877
Linear System 307
Linear systems 279
Log book 723
Low Power Supply (LPS) 722
Lucio 819
Lupalo 701
Luminaires for moist/humid environments 473
Luxifair Central Power Supply (CPS) 722

M

Magcardo Maxi 411
Mega Cone 625
Mega Glaspoller 639
Mega Gürtellinse 637
Mega Kugel 635
Mega Lamelle 623
Mega Laterne 627
Mega Square 633
Mega Tower 621
Mega Tube 629-630
Mingata 686-691
Minisign 769
Mondana-A 55, 587
Mondana-E 27, 531
Mondana-HE 29, 533
MultiDigit*plus* 727
MultiDigit S63 731
Multivariabel 765-766
MWEB*plus* 729

N

Nadelspot 545

O

Opal glass luminaires 573, 576
Oval bulkhead ECO-LED 133
Oval bulkhead luminaires 129

P

PAR16
Recessed downlights 345
Recessed projectors 397
Projectors and floodlights 681-682
Parledo 203
Pascala EVO 361-363
Pendant luminaires 138
PGVG 200 733
Planos LED
Continuous line luminaire system 458-471
Escape route illumination 851
Planox
Luminaires for moist/humid environments 491
Escape route illumination 857
Planox ECO 482
Planox PRO
Luminaires for moist/humid environments 477
Escape route illumination 855
Planox Tube 487
Pole luminaires 685
Polymero Long 122
Portable safety spotlight 879
Powerbox 15 734
Powerbox 3 732
Powerbox Flood 805
Projectors and floodlights 653
Protection classes 915

Q

Quadraled 40
Quadrat
Ceiling and wall luminaires 106
House number luminaires 570
Quardo LED 165 380

R

R40 123
Ralite Highbay II 495-497
Recessed ceiling and wall lum. 21
Recessed downlights 343
Recessed luminaires 529
Recessed modular luminaires 193
Recessed projectors 395
Rechteck
Ceiling and wall lum. 108-109
Wall luminaires 559
Escape route identific. 785-789
Reference number index 919
Ring of Fire
Wall luminaires 39
Pendant luminaires 147-148
Rondos 415-416
Rounded Maxi
Ceiling and wall luminaires 597
Escape route illumination 875
Rounded Midi
Wall luminaires 551
House number luminaires 567
Ceiling and wall lum. 593-595
Escape route illumination 873-875
RT 44 119
RZBbasic Central Power Supply (CPS) 722
RZB KV 1500 Low Power Supply (LPS) 722

S

Safety and quality 915
Safety marks 915
Safety stand spotlight 805
Santos Kreis 100
Santos Quadrat 101
Scapha
Ceiling and wall luminaires 47
Pendant luminaires 153
Screwneck glasses 111
Self-contained monitoring systems 721
Self-contained technology 721
Self-adhesive black numbers and letters 577
Service | Commissioning 517
Service life criteria 912
Set of aluminium striplights 126-127
Set of ISO striplights 126-127
Sidelite
Surface mounted modular l. 223
Suspended modular lum. 257
Free-standing luminaires 274
Sidelite ECO
Recessed modular lum. 199-201
Surface mount. mod. l. 228-229
Suspended modular lum. 262-263
Free-standing luminaires 277
Escape route illumination 842-845
Sidelite Ellypsoid 151
Sidelite Round
Surface mounted modular l. 224
Suspended modular lum. 258
Signal amplifier 727
Signal luminaires 134
Signcube 791-792
Slopia
Wall luminaires 563
Bollards 613
Slopia Sky 705-708
smart+free 509
Solar luminaires 907
Sonis A Asym 236
Sonis EVO
Recessed modular lum. 207-208
Surface mounted modular l. 235
Suspended modular lum. 265
Escape route illumination 849
Standard 133-134
Standard-Spot 683
Steel poles 710
Strip-Light LED 125

Surface mounted downlights 383
Surface mounted modular l. 211
Surface mounted projectors 423
Suspended modular luminaires 239
Symbol explanations 915

T

T5 Strip-Light 125
Tarek S 437
Techno 546
Tenuo 741-746
Terms & conditions of sale and delivery 949
Terra Edelstahl 130 643
Terra Edelstahl 190 647
Terra Edelstahl 245 649
The Ultimate Ultra-flat House Number Luminaire 569
Tholus 170
Toledo 379
Toledo Flat
- Pendant luminaires 177
- Recessed modular lum. 205

Toledo Flat
- Fabric lampshade lum. 322-325
- Recessed downlights 372-377
- Surface m. downlights 390-393
- Escape route illumination 826-839

Toledo Flatliner 336-341
Tracks 441
Triade LED 439
Triona
- Surface mount. mod. l. 215-217
- Suspended modular lum. 251-253

Turia 821
Turia L 822
Turia RZ 799
TWINDOT K 245
TWINDOT S 246-247
Types of protection 914

V

Varioplast I
- Escape route illumination 771
- Escape route identification 807

Varioplast II 773
Vortex 399

W

Wall Head 558
Wall luminaires 37, 541
Wallscaping 542-547

Z

Zono 546
Zylinder Opal 561

3

3-circuit DALI tracks 450
3-circuit tracks 442

as of January 1, 2018

Article I: General provisions

1. All legal relationships between Supplier and Purchaser with regard to deliveries and/or performance by Supplier ("Deliveries") are governed solely by these terms and conditions. Purchaser's general terms and conditions of business only apply if Supplier has expressly acknowledged them in writing. The scope of Deliveries is governed by the mutually agreed written declarations.
2. Supplier reserves the unrestricted rights of use to any quotations, drawings and other literature ("Documents") under possession and copyright law. Documents may only be made accessible to third parties with Supplier's prior consent. If Supplier is not awarded the contract, said Documents are to be returned immediately on request. Sentences 1 and 2 apply accordingly for Purchaser's Documents, although these may be made accessible to those third parties to whom Supplier has permissibly transferred Deliveries.
3. Purchaser is granted the non-exclusive right to utilise the standard software and firmware with the performance characteristics agreed, without modifying the same, on the devices specified. Purchaser may make a back-up copy of the standard software without obtaining express agreement.
4. Partial shipments are permissible.
5. The term „claims for damages" in these Terms and Conditions of Delivery also encompasses claims for reimbursement of futile expenses.

Article II: Prices, terms of payment and offsetting

1. Prices are quoted ex works excluding packaging plus any applicable statutory sales tax and other taxes and duties that may be levied.
2. If Supplier is responsible for setup or assembly, and unless otherwise agreed, Purchaser is responsible for all necessary ancillary costs, such as travel and shipping costs and accommodation allowances, in addition to the agreed payment.
3. Payments are due to Supplier's designated paying agent free of charges.
4. Purchaser may only offset against undisputed or legally established receivables.

Article III: Retention of title and payment protection

1. Items representing Deliveries (retained goods) remain the property of Supplier until Purchaser has satisfied each and every claim of Supplier under the business relationship.
2. For the duration of retention of title, Purchaser may not pledge the retained goods or use them as security, and they may only be resold by resellers in the ordinary course of their business and only on condition that the reseller receives payment from its customer or makes the transfer of ownership to the customer dependent upon the customer fulfilling its payment obligations.
3. Purchaser agrees to inform Supplier immediately and in writing of any seizures, confiscations or other disposals or acts of intervention by third parties.
4. If Purchaser fails to fulfil its duties, especially in rendering due payments, Supplier is entitled to take back the goods and cancel the contract if Purchaser fails to provide remedy within a reasonable period set by Supplier. Purchaser is obliged to relinquish the goods. Supplier's demand for return of the goods, exercise of retention of title, or seizure of the retained goods does not constitute termination of the contract unless Supplier expressly declares the same.

Article IV: Delivery periods; delays

1. Adherence to stipulated delivery periods is conditional upon timely receipt of all documents, necessary permits and releases, especially of plans to be provided by Purchaser, and upon the latter's fulfilment of the agreed terms of payment and other obligations. Failure to meet these conditions on time will extend the delivery periods; this is not applicable if Supplier is responsible for the delay.
2. If failure to adhere to the delivery periods is due to

   a) force majeure, e.g. mobilisation, war, terrorist attacks, rebellion or similar events (e.g. strike, lockout),

   b) virus and other third-party attacks on Supplier's IT systems despite Supplier exercising due caution in implementing safeguards,

   c) hindrances under German, Swiss, US and other applicable national, EU or international laws governing external trade, or other circumstances beyond Supplier's control,

   d) late or incorrect delivery to Supplier,

   the deadlines will be extended by a reasonable period.
3. If Supplier delays delivery, Purchaser may – subject to provision of evidence of any loss suffered – demand compensation for each complete week of delay of 0.5% (up to a maximum of 5%) of the price for the part of the Deliveries that could not be put to intended use as a result of the delay.
4. Purchaser's claims for damages on grounds of late Deliveries as well as claims for damages in lieu of performance [Note: this issue must be checked under Swiss law] that exceed the limits specified in 3. above are excluded in all cases of delayed Deliveries, even after Supplier has failed to meet a deadline set for delivery. The aforementioned does not apply in cases of unlawful intent or gross negligence on Supplier's part, nor if it contravenes mandatory law. Purchaser may only withdraw from the contract if Supplier is at fault with regard to the late Deliveries and if Supplier has failed to meet a previously specified, reasonable deadline.
5. At Supplier's request, Purchaser must – within a reasonable period – state whether it wishes to withdraw from the contract due to the delay in Deliveries, or insists on the Deliveries.
6. If despatch or delivery is delayed at Purchaser's request by more than one month after giving notice of readiness for dispatch, Purchaser may be charged storage costs of 0.5% of the price of the Deliveries for every additional month or part thereof. The parties to the contract are at liberty to prove the incurrence of higher or lower storage costs.

Article V: Transfer of risk

1. Even if carriage paid has been agreed, the risk is transferred to Purchaser as follows:

   a) if setup or assembly is not included: when the Deliveries are declared ready for shipping. At Purchaser's request and expense, Supplier will insure the Deliveries against the usual risks to goods in transit;

   b) if setup or assembly is included: on the day of acceptance at Purchaser's facility, or, if agreed, after a successful trial run.
2. The risk passes to Purchaser if the despatch, delivery, commencement or execution of setup or assembly, adoption into Purchaser's own operation or trial run is delayed for reasons for which Purchaser is responsible, or if the latter otherwise delays acceptance of the goods.

Article VI: Acceptance

Purchaser may not refuse to accept Deliveries on grounds of minor defects.

Article VII: Material defects

1. The warranty period is 12 months. It commences when the Deliveries leave the factory or, if appropriate, following agreed acceptance of the Deliveries or, if Supplier is responsible for assembly, upon completion of the same. If despatch, acceptance or assembly are delayed for reasons beyond Supplier's control, the warranty lapses at the latest 18 months after notification of readiness for despatch. The warranty lapses prematurely in case of unauthorised modifications or repairs by Purchaser or third parties, or failure by Purchaser to immediately take all suitable steps to mitigate the damage in the event of a defect and to give Supplier the opportunity to remedy the defect.
2. During the warranty period and at Purchaser's request, Supplier undertakes to either remedy or replace – at Supplier's discretion – as quickly as possible any and all parts of Supplier's Deliveries that are demonstrably damaged or unusable at the time of risk transfer due to material defects, design flaws or poor workmanship. Purchaser's warranty claims are excluded after the warranty period has lapsed. Replaced parts become Supplier's property unless Supplier expressly waives its right of title. Supplier must bear all the rectification costs incurred at its facility. If rectification is not possible at Supplier's facility, Purchaser must bear the associated costs to the extent that they exceed the normal transport and staff costs, travel and accommodation expenses, and the cost of installation and disassembly of the defective parts.
3. Damages that are not demonstrably due to material defects, design flaws or poor workmanship, e.g. normal wear, poor maintenance, failure to follow operating instructions, excessive stress, unsuitable operating equipment, chemical or electrolytic influences, construction or assembly work not performed by Supplier, and any other reasons beyond Supplier's control, are excluded from Supplier's warranty and liability.
4. Supplier only accepts liability for supplies from subcontractors designated by Purchaser within the framework of the warranty obligations of the relevant subcontractors.

5. Purchaser can claim no rights or entitlements for material, design or workmanship defects above and beyond those listed in 1. to 4. above.
6. Guaranteed properties must be expressly designated accordingly. The provisions governing material defects in Article VII 1. - 5. above apply accordingly.

Article VIII: Industrial property rights and copyrights; defects of title

1. Unless otherwise agreed, Supplier's obligation to execute the Deliveries free of third party industrial property rights and copyrights ("Property Rights") only applies in the country of the delivery location. If a third party raises justified claims against Purchaser on the grounds of infringement of Property Rights by Deliveries executed by Supplier and used in accordance with the contract, Supplier's liability to Purchaser within the period set out in Art. VII 1. above is as follows:

   a) At its own discretion and expense, Supplier can acquire the right of use for the relevant Deliveries, modify the Deliveries so that they no longer infringe the Property Rights, or replace them. If it is not possible for Supplier to reasonably do so, Purchaser is entitled to exercise its statutory rights of cancellation or price reduction.

   b) Supplier's obligation to pay damages is governed by Art. XII.

   c) The aforementioned obligations of Supplier are only applicable if Purchaser promptly notifies Supplier in writing of any claims filed by a third party, does not concede an infringement, and all defence measures and settlement negotiations remain reserved for Supplier. If Purchaser discontinues the use of the Deliveries on grounds of loss mitigation or for other good reason, it must notify the third party that the discontinuation of use does not constitute acknowledgement of an infringement of Property Rights.
2. Purchaser is not entitled to assert claims for any infringement of Property Rights for which Purchaser is responsible.
3. Nor is Purchaser entitled to assert claims if the infringement of Property Rights results from specifications made by the Purchaser, usage that Supplier could not have foreseen, or is caused by the Deliveries being modified by Purchaser or used in conjunction with products not provided by Supplier.
4. If Property Rights are infringed, the provisions of Art. VIII apply accordingly for Purchaser claims governed by 1 a) above.
5. In the event of other defects in title, the provisions of Art. VIII apply accordingly.
6. Any other claims or claims not provided for in this Art. IX asserted by Purchaser against Supplier and the latter's agents on grounds of defect of title are excluded.

Article IX: Conditional performance

1. Contract performance is conditional upon the absence of any hindrances under German, Swiss, US or any other applicable national, EU or international laws governing external trade, embargoes or any other sanctions.
2. Purchaser undertakes to provide all information and documentation necessary to enable export, shipment and import.

Article X: Impossibility of performance; contract amendments

1. If Deliveries prove to be impossible, Purchaser is entitled to claim damages unless Supplier is not responsible for the impossibility. However, Purchaser's entitlement to damages is limited to 10% of the value of the part of the Deliveries that cannot be put to its intended use due to the impossibility. This limitation does not apply in cases of unlawful intent or gross negligence on Supplier's part, but does apply to unlawful intent or gross negligence on the part of Supplier's agents.
2. The parties agree to amend the contract appropriately and in good faith if events as defined in Art. IV, 2 a) - c) above substantially alter the economic significance or content of the Deliveries, or considerably impact Supplier's business. If this is not economically viable, Supplier is entitled to withdraw from the contract. The same applies if the requisite export permits are not granted or cannot be used. If Supplier wishes to exercise its right of rescission, it must inform Purchaser immediately on learning the implications of the event concerned, even if an extension of the delivery period had initially been agreed with Purchaser.

Article XI: Other instances of liability

These terms and conditions conclusively govern all instances of contract violations and their legal consequences, as well as all claims asserted by Purchaser, irrespective of the legal grounds. In particular, any and all claims for damages, price reductions, contract cancellation or rescission that are not expressly cited are excluded. Under no circumstances can Purchaser claim compensation for damages occurring other than on the Deliveries themselves, such as lost production, use, orders, profit, or any other direct or consequential damages.

This limitation of liability does not apply in cases of unlawful intent or gross negligence on Supplier's part, but does apply to unlawful intent or gross negligence on the part of Supplier's agents. Moreover, this limitation of liability does not apply if it contravenes mandatory law.

Article XII: Place of jurisdiction and applicable law

1. All disputes, differences in opinion or claims arising from or in connection with this contract, including the validity, invalidity, infringement or cancellation of the same, are subject to final settlement under the Rules of Arbitration of the International Chamber of Commerce (ICC). The Court of Arbitration must be composed of one or three arbitrators. If the Court is composed of three arbitrators, each party appoints one arbitrator, who must be confirmed by the ICC. These two arbitrators nominate the third arbitrator within thirty (30) days of their own appointment. If the two arbitrators are unable to agree on a third arbitrator within this period, the ICC will appoint the third arbitrator. The responsible Court of Arbitration is [Zurich] unless the parties agree on a different venue. Arbitration proceedings must be conducted in German.
2. This contract and its interpretation are subject to pertinent Swiss laws to the exclusion of the United Nations Convention on Contracts for the International Sale of Goods (CISG).

Article XIII: Contract validity

If individual provisions of this contract prove to be invalid, the remaining parts are nevertheless binding unless continuation of the contract would constitute undue hardship for one of the parties.



The application image shows:
Flat Slim

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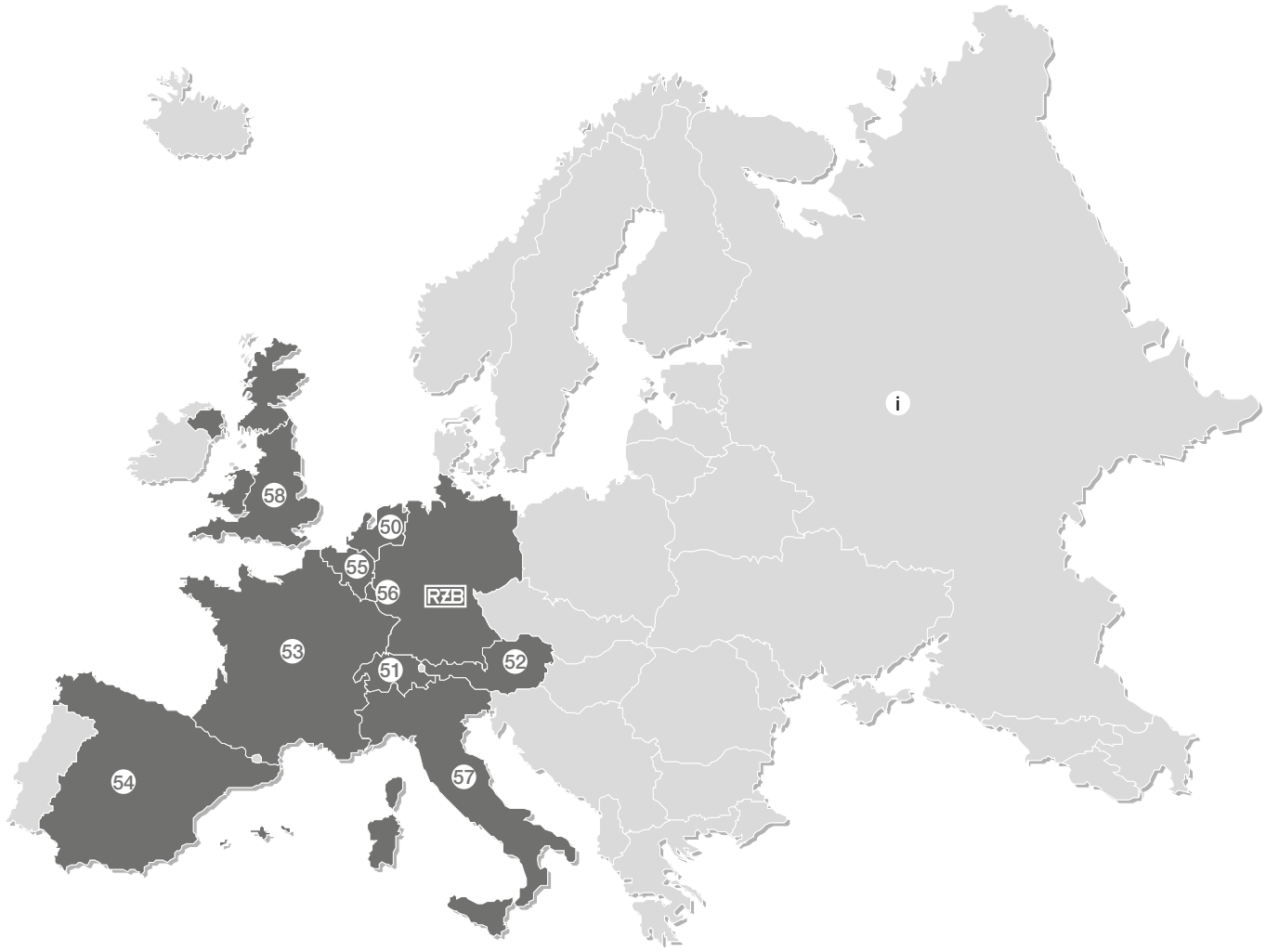
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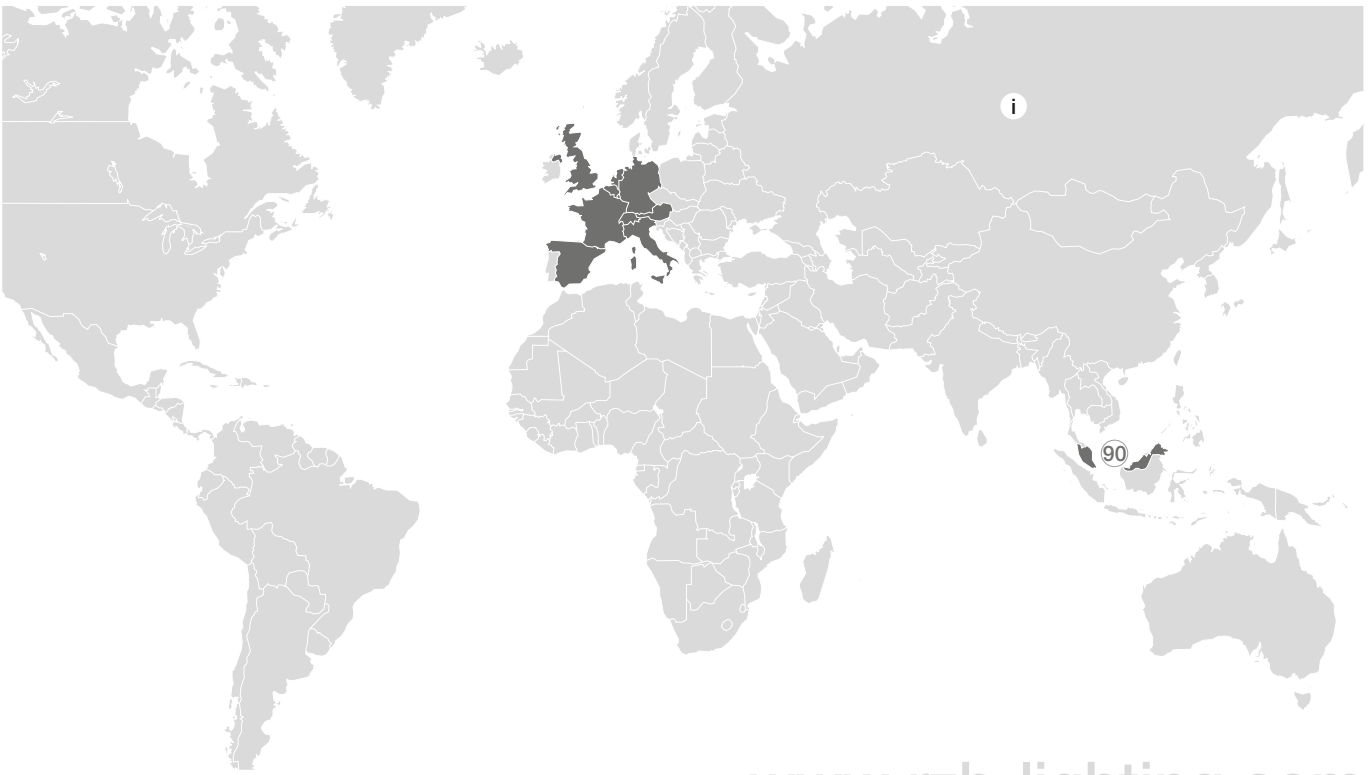
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