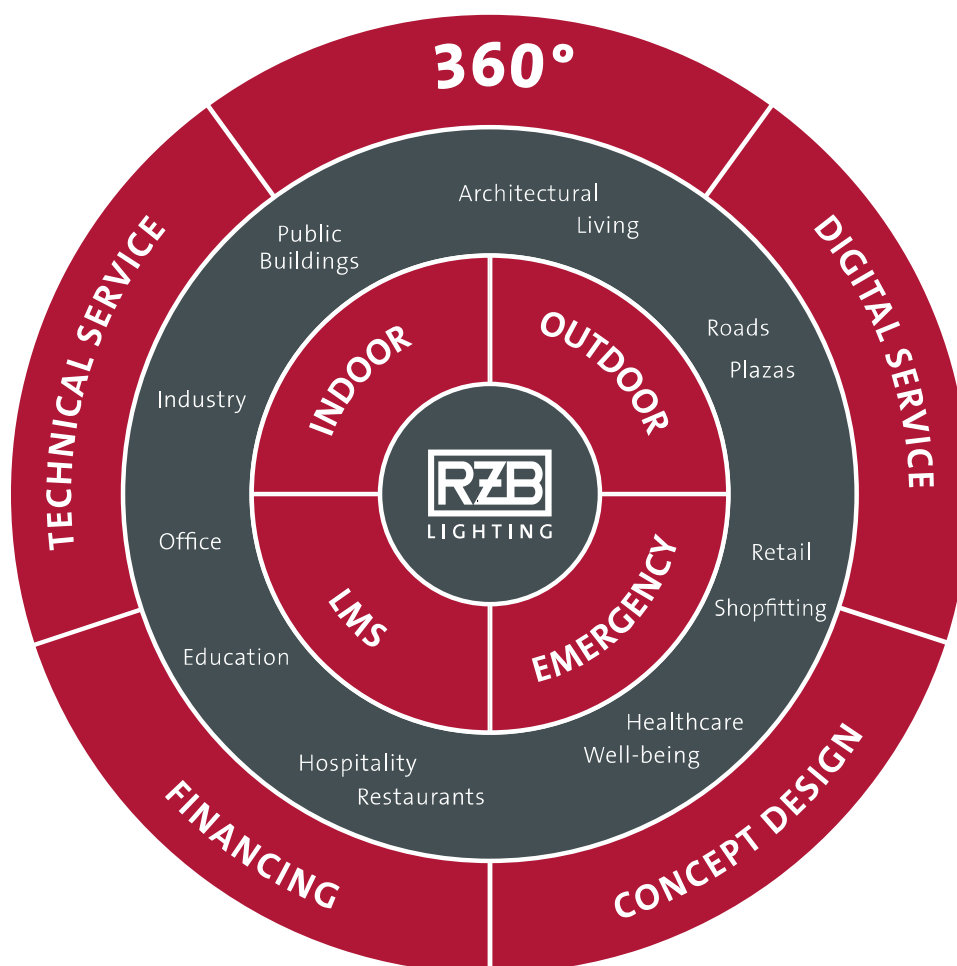




PRODUCT SELECTION GUIDE

INDOOR AND OUTDOOR LIGHTING 2023/2024





LIGHT IS EVERYTHING. EVERYTHING OUT OF ONE HAND.

For more than 80 years, RZB Lighting has stood for highly assembly-friendly, efficient product series and intelligent lighting solutions „Made in Germany“. As an internationally operating family business, we offer you continuity, sustainability and long-term stable partnerships. We have already been awarded the TOP 100 and BAYERN'S BEST 50 prize several times for our innovation successes and have received more than 75 renowned design awards for our design work.

For the realisation and production of our product ideas, we have a state-of-the-art, constantly expanding machine park, our own certified test laboratories, around 3,000 square metres of showroom and our own event centre at the Bamberg headquarter.

But we cannot do without the human factor, because people make the future. Behind every good idea is a clever mind. Usually even many. We rely on our motivated, interdisciplinary teams: on the experience of long-standing employees as well as on the ideas and visions of our young and new colleagues.

Due to our high vertical integration, the term Industry 4.0 is not just a buzzword for us, but a living reality: people, machines, plants, logistics and products communicate and cooperate with each other at our company.

Today, well over 700 dedicated employees contribute to ensuring your customer satisfaction and our high quality standards. Together with you, we would like to continue to grow!



COMMITTED TO SUSTAINABILITY AND QUALITY

We think it is great that topics such as sustainability, environmental awareness and resource conservation are becoming more and more important and are making more and more people think about them - we are making an active contribution to this at our headquarters in Bamberg:

For us, quality means making no compromises: From product development to production controls and long-term tests in our laboratories, to logistics and after-sales service, every process step is strictly controlled, continuously optimised and, if circumstances require, redefined. With DIN ISO 9001 certification, we have been documenting since 1996 that these steps meet the highest quality standards at all times.



We are continuously audited and certified.

- ⊕ ISO 9001
- ⊕ VDE test mark
- ⊕ ENEC test mark
- ⊕ INTERSEROH recycling certificate for transport and sales packaging
- ⊕ INTERSEROH *Certificate resources saved*
Climate protection certificate
- ⊕ **ECOVADIS**
Compared with last year, RZB surpassed the benchmarks in all areas – particularly Environment – thanks to initiatives such as:
 - ⊕ New product design rules on component recycling and exchangeability.
 - ⊕ Sustainable packaging concepts using paper and/or transitioning to recycled plastics.
 - ⊕ Contracts with service companies for the sustainable disposal and take-back of components.



You can find comprehensive information on RZB Energy lighting and charging solutions in our brochure or on our website.



Think outside the wall box!



Brochure

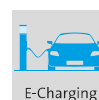


www.rzb-energy.com

From light to charging

The future of mobility is changing, which RZB Energy is actively shaping with elegant 2-in-1 combinations. Robust products that have proven themselves for decades in wind and weather as pure outdoor lighting have been supplemented with the latest in charging technology.

The result is architecturally superior charging options for EVs.



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Our Product Selection Guide 2023/2024 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 make changes in our products at any time without notice. Our standard terms and conditions of sale and delivery can be found in the appendix.



New items are marked with a red frame.



Recessed modular luminaires



TRIONA round
20-25



SONIS EVO
26-31



PARLEDO
32-37



SIDELITE ECO
38-47



KALEEA
48-51



KALEEA BASIC
52-53



TOLEDO FLAT
54-55

Surface mounted modular luminaires



TRIONA round
58-63



TRIONA square
64-65



TRIONA rectangle
66-67



SONIS EVO
68-69



SIDELITE
70-73



SIDELITE round
74-75



SIDELITE ECO
76-79



SONIS A
80-81

Suspended modular luminaires



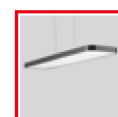
TWINDOT
86-93



TRIONA round
94-99



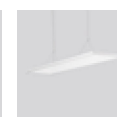
TRIONA square
100-101



TRIONA rectangle
102-103



SIDELITE
104-105



SIDELITE round
106-107



SIDELITE ECO
108-109



Free-standing luminaires



SIDELITE ECO
112-113



NAVONA
114-115

Linear systems



ALEA SPOT
118-119



BEAMLINE SLIM
120-123



LINEDO single
124-125



LESS IS MORE 21
126-129



LESS IS MORE 27
130-135



LESS IS MORE 50
136-143



LESS IS MORE BEAMLINE
144-155



LESS IS MORE systems
156-161

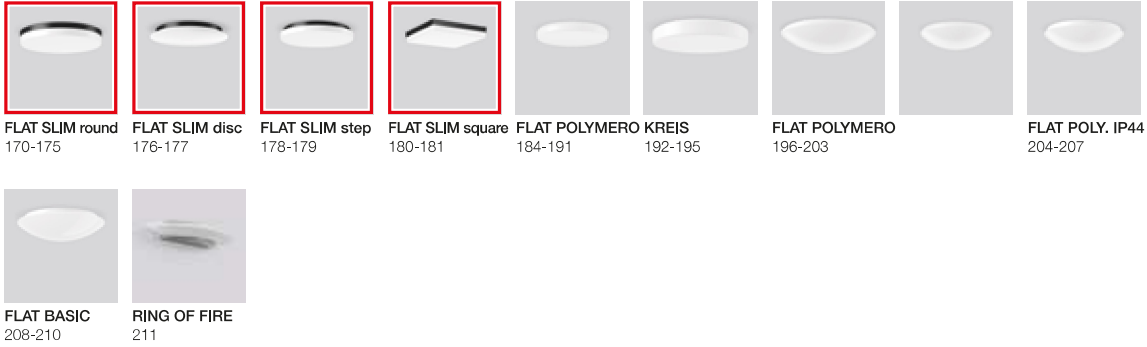


162-163



164-165

Ceiling and wall luminaires - decorative



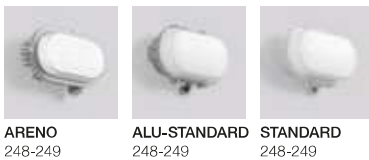
Ceiling and wall luminaires - classic



Ceiling and wall luminaires - linear



Oval bulkhead luminaires



Pendant luminaires





New items are marked with a red frame.



Fabric lampshade luminaires



FLATLINER SLIM
296-301



TOLEDO FLAT
302-307



TOLEDO FLATLINER
308-313



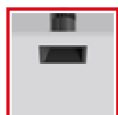
FLATLINER
314-316



Recessed downlights



LEVIDO
320-323



ARELO
324-327



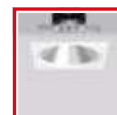
ENERGO DARK
326-327



HELEDON
328-337



PASCALA
338-343



QUARDO
344-345



LEDONA
346-349



LEDONA
350-351



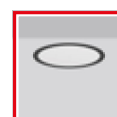
LEDONA ECO
352-353



TOLEDO FLAT...
354-365



... PRO
366-369



... +
370-377



TRIXY
378-379

Surface mounted downlights



ANDHO
382-383



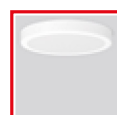
HELEDON
384-393



TOLEDO FLAT...
394-397



... PRO
398-399



... +
400-403



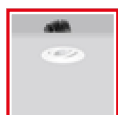
TRIXY
404-407



HEMIS
408-409



Recessed projectors



LEVIDO SWING
412-415



DEECOS R
416-423



MAGCARDIO
424-429



RONDOS
430-439



GOLAS
440-451



TX-MOVE
452-455

Surface mounted projectors



DEECOS S
458-479



CALIDO CLICKBEAM
480-481



ARLINE
482-483



TX-MOVE
484-489



BEAMLINE SLIM
490-493

Tracks



3-circuit tracks
496-503



3-circuit DALI tracks
504-511



Continuous line luminaire systems



LINEDO
512-519



Luminaires for moist/humid environments



PLANOX PRO
522-525

PLANOX ECO
526-529

...FARM
530-531

PLANOX TUBE
532-536

...FARM
537

PLANOX
538-543

...FARM
542

Highbay luminaires



LIGHT CASE
546-553

INDUSTRIAL HALL
554-559

INDUSTRIAL HALL EVO
560-563

Light management



light control +³
572-573

SIDELITE ECO HCL
574-575

Casambi smart+free
576-581

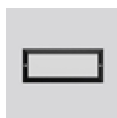
light control +³
582-585

Controllers
586-591

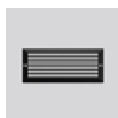
 New items are marked with a red frame.



Recessed luminaires



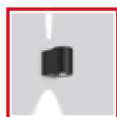
BRICK STEPS
600-601



BRICK EVO
602-603



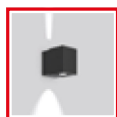
Wall luminaires



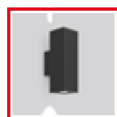
NADELSPOT
610-613



CYL
614-615



ZONO
616-617



TECHNO
618-619



MEGA...TOWER F
620-623



...TOWER R
624



...CONE
625



...LATERNE R
626



...LATERNE F
627



...TUBE
628



...GÜRTELLINSE
629



DESMONDO
630-631



ROUNDED
632-633



ALU-SUPERIOR
634-635



ALU-LUX OVAL
636-637

House number luminaires



CADERO disca
640-641



FLAT SLIM round
642-643



FLAT SLIM disc
642-643

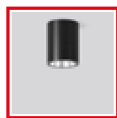


FLAT SLIM step
642-643



THE ULTRA-FLAT HOUSE NUMBER LUMINAIRE
644-645

Ceiling and wall luminaires



ANDHO
648-649



FLAT SLIM round
650-655



FLAT SLIM disc
656-657



FLAT SLIM step
658-659



FLAT SLIM square
660-661



CADERO quadra
662-663



CADERO disca
662-663



ROUNDED
664-667



ROUNDED maxi
668-669



ALU-SUPERIOR
670-671



ALU-LUX OVAL
672-673



Oval bulkheads luminaires
674-675



Bollards



BOCARO
680-683



LUPALO
684-687



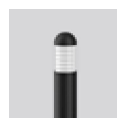
...LATERNE
688-691



...TOWER
691



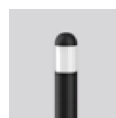
MEGA...TOWER F
692-696



...TOWER R
697



...CONE
698



...LATERNE R
699



...LATERNE F
700



...GÜRTELLINSE
701



...TUBE
702-703



...GLASPOLLER
704



...SQUARE
705

In-ground luminaires



TERRA EDELSTAHL 130
708-709



TERRA EDELSTAHL 190
710-713



TERRA EDELSTAHL 245
714-715



Projectors and floodlights



PAR16
718-719



ANDHO
720-729



ALU-STAR
730-731



LIGHTSTREAM
723-741



Outdoor pole luminaires



LIGHTSTREAM
744-749



MINGATA
750-757



LIGHTSTREAM
758-761



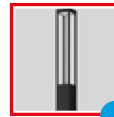
ANDHO
762-765



GONIA
766-767



LARUTA
768-769



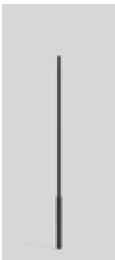
BOCARO
770-771



LUPALO
772-777



LUPALO SCANDIA
778-781



STEEL POLES
782-783



Light + Charge

The hybrid solution for light and charging station

RZB is actively shaping the change in mobility: Light for charging, charging in light. Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.

Find out more at www.rzb-energy.com



RZB HOME + BASIC Indoor lighting



HB 501
789



HB 505
789



HB 506
789



HB 507
790



HB 710
791



HB 801
792-793



HB 702
794



HB 720
795

RZB HOME + BASIC Outdoor lighting



HB 101
799



HB 103
799



HB 107
799



HB 108
799



HB 105
800



HB 106
800



HB 113
800



HB 110
800



HB 111
800



HB 202
801



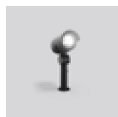
HB 203
801



HB 205
801



HB 109
802



HB 207
802



HB 450
802



HB 610
803

RZB HOME + BASIC Solar luminaires

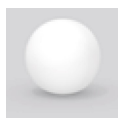


HB 402
805

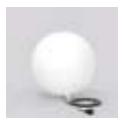


HB 403
805

RZB HOME + BASIC Garden luminaires



HB 301-304
807



HB 309-311
807



EMERGENCY LIGHTING MADE COMPACT AND PROFESSIONAL

Are you missing the important subject of emergency lighting in this catalogue?

For several years already our constantly growing range of emergency lighting products has been summarised in a compact and professional way in our **special Emergency Lighting catalogue**. For reasons of sustainability, luminaires, technology and services for this product area are now only presented there and on our website only:

- ⊕ Stand-by luminaires for escape route illumination
- ⊕ Combined luminaires for escape route illumination
- ⊕ Luminaires for escape route identification
- ⊕ Self-contained power supply systems
- ⊕ Self-contained monitoring systems
- ⊕ Low Power Supply (LPS)
- ⊕ Central Power Supply (CPS)
- ⊕ Accessories for emergency lighting

We also offer a large proportion of our general lighting as luminaires for escape route lighting.

Whether there is a corresponding product for emergency lighting for a luminaire can be easily identified by this symbol.



Comprehensive information on luminaires and technology for emergency lighting can be found in our special catalogue and on our website.



Catalogue



www.rzb-lighting.com



ICONS

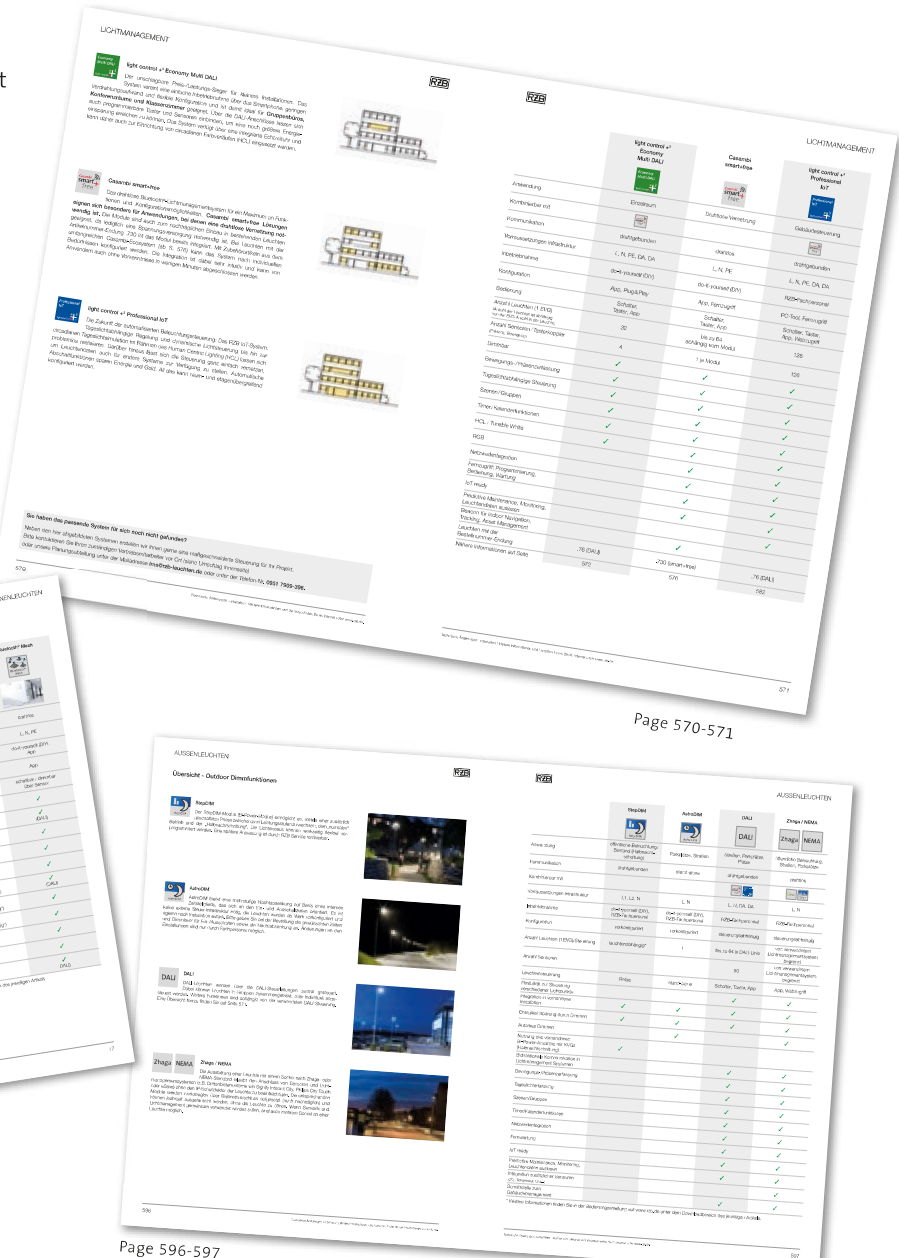
	The colour temperature can be adjusted infinitely from 2700K to 6500K.		Luminaires marked with the "ball impact protection" symbol are suitable for use in sports facilities. They are manufactured in accordance with the test conditions defined in DIN 18032.
	Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.		Luminaires with limited surface temperature in accordance with EN 60598-2-24
	MultiColour version: colour temperature adjustable in different steps.		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 .
	MultiLumen version: luminous flux adjustable in different steps.		Certified by DLG. This luminaire is resistant to ammonia and is suitable for high pressure cleaning with a short distance.
	Simple control of brightness via leading edge or trailing edge dimmers.		Fast and easy installation.
	DALI is the classic light bus and is ideal for the simple and central light management.		Adjustable spring clamps for different ceiling cut-outs.
	Light management system for wireless control of lighting by Bluetooth®.		Dark Sky: Protects insects and the environment thanks to needs-based light distribution without light emitted in the upper hemisphere, thus avoiding light pollution
	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.		Seawater resistant coating.
	Ideal for office areas ($UGR \leq 19$) and computer workstations in accordance with EN 12464-1.		For the most realistic possible perception of colours of surroundings, objects and people.
	The beam angle can be changed by clicking on the lens.		The Cyanosis Observation Index (COI) describes the quality of the light spectrum of a luminaire for suitability for medical applications. Luminaires with a standardised COI of less than 3.3 are particularly suitable for reliable detection of cyanosis.
	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.		Food LED light colours show food in its best light.
	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 board/converter. Light and/or presence sensors can be integrated.		The hybrid solution for light and charging station Robust products that have withstood wind and weather for decades as pure outdoor luminaires have been supplemented with the latest in charging technology.
	Luminaires with presence and daylight sensor.		Environmentally friendly and resource-saving due to replaceable components.
	Luminaires: Acquisition and forwarding of status and energy data Lighting management systems: Forwarding of luminaire data to cloud services possible.		This symbol indicates that individual luminaires of a series are available as emergency luminaires and have been tested respectively.
	For high hygienic requirements Diffuser with smooth surface on the room side for low sensitivity to dirt and easy cleaning.		Luminaires with high protection class.
	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.		Luminaires with a high degree of impact resistance.
	Luminaires made of impact resistant polycarbonate.		

THE FAST WAY TO YOUR LIGHTING SOLUTION

Our icons help you identify the key features of our products at a glance.

Overviews and comparison tables make product differences visible.

So you can quickly and easily find the right solution for your project!



Page 570-571

Page 16-17

Page 596-597

	A daylight sensor measures the incidence of light on a luminaire in order to switch it on and off depending on the brightness.		The StepDIM mode (bi-power mode) enables 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.
	Stand-alone sensors are used to control a single luminaire. Since no external control unit is needed, the luminaire functions autonomously and requires a power supply only.		AstroDIM offers a multi-stage night reduction regulated by an internal timer that responds to the switch-on and switch-off times. No external control is required.
	The luminaire with sensor (master) controls several other luminaires without sensor (slave). Depending on the system, several master luminaires can also be operated together.		Equipping a luminaire with a socket according to Zhaga or NEMA standards allows the connection of sensors and light management systems (e.g. third-party systems such as Signify Interact City, Philips City Touch or eSave) without affecting the IP protection factor of the luminaire.
	Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.		The corresponding modules are attached without tools via bayonet lock (also retrofitted) and can be replaced at any time without opening the luminaire.
	Initial setting of luminaires with sensor complying with standards can be individually adjusted via app if necessary		





Overview - Luminaires with built-in sensors



Stand-alone sensors

Stand-alone sensors are used to control unit a single luminaire.

Since no external control is needed, the luminaire functions autonomously and requires a power supply only. Depending on the luminaire type, stand-alone devices can detect movement and brightness and are adjustable to a certain degree (delay time, brightness thresholds). Stand-alone sensors do not allow clustering of luminaires. Each luminaire with a stand-alone sensor works autonomously.



FLAT SLIM round



FLAT SLIM disc



FLAT SLIM step



FLAT SLIM square



FLAT POLYMERO



FLAT POLYMERO IP44



FLAT POLYMERO KREIS SLIM



FLAT POLYMERO KREIS



FLAT BASIC



TWINDOT



SIDELITE ECO



NAVONA



RT 44



INDUSTRIAL HALL EVO



TOLEDO FLAT



TOLEDO FLAT



PLANOX ECO



PLANOX TUBE



PLANOX



Master-slave systems

The luminaire with sensor (master) controls several other luminaires without sensor (slave). Depending on the system, several master luminaires can also be operated together. Master-slave systems are mainly used in stairwells and corridors. They can be used for corridor functions and similar functions. Depending on the luminaire type, master luminaires can detect movement and brightness and can be adjusted to a certain degree (delay time, brightness thresholds).



FLAT SLIM round



FLAT SLIM disc



FLAT SLIM step



FLAT SLIM square



FLAT POLYMERO KREIS SLIM



FLAT POLYMERO



PLANOX ECO



PLANOX



Mesh sensors

Mesh sensors create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet. The sensors (and luminaires connected to them) can be grouped as desired and the delay times and thresholds can be set individually. Just as with the master-slave systems, corridor functions, and similar functions can be set. Contrary to the previously mentioned systems, these, however, do not have to be connected by wire.



FLAT SLIM round



FLAT SLIM disc



FLAT SLIM step



FLAT SLIM square










TOLEDO FLAT



TOLEDO FLAT
















PLANOX TUBE

	Stand-alone sensors	Master-slave systems	Mesh sensors
	  	 	 
Communication	stand-alone	wired	wireless
Infrastructure requirements	L, N, PE (3 wires cable)	L, L', N, PE (5 wires cable)	L, N, PE (3 wires cable)
Commissioning	by electrician, App	by electrician	by electrician, App
Configuration	push-button, remote control, App	pre-configured , dip switch	App
Dimmability	switchable / dimmable via sensor	switchable / dimmable via sensor	switchable / dimmable via sensor
Switchable	✓	✓	✓
Dimmable	✓ (luminaire-dependent*)	✓ (DALI)	✓ (DALI)
Movement / presence detection	✓	✓	✓
Brightness threshold adjustable	✓	✓	✓
Daylight-dependent control	✓	✓ (luminaire-dependent*)	✓
Basic light	✓ (luminaire-dependent*)	✓ (luminaire-dependent*)	✓ (DALI)
Corridor function		✓ (luminaire-dependent*)	✓
Grouping		✓ (luminaire-dependent*)	✓
Further luminaires possible		✓	✓
Further sensors possible		✓	✓
SoftDim			✓ (DALI)

* For more information, see the operating instructions at www.rzb-lighting.com under the download area of the respective item.



The application image shows:
TRIONA round

				TRIONA round 20-25
			24-25	
				SONIS EVO 26-31
29	29	30	30	
				PARLEDO 32-37
			35	
				SIDELITE ECO 38-45
41	42	44		
				SIDELITE ECO HCL 46-47
			47	
				KALEEA 48-51
			51	
				KALEEA BASIC 48-50 52
			52	
				TOLEDO FLAT 54-55
			55	

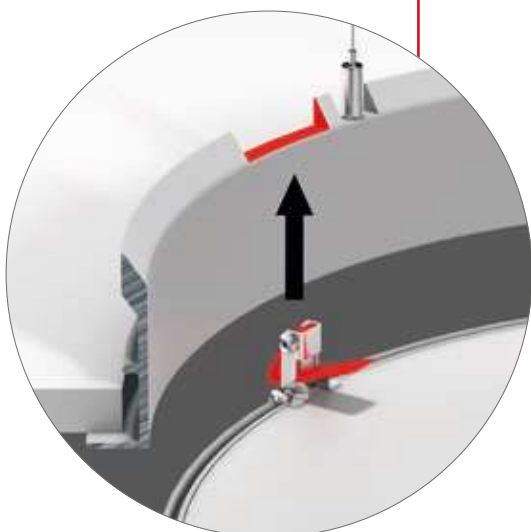
TRIONA® round

Everything at a glance



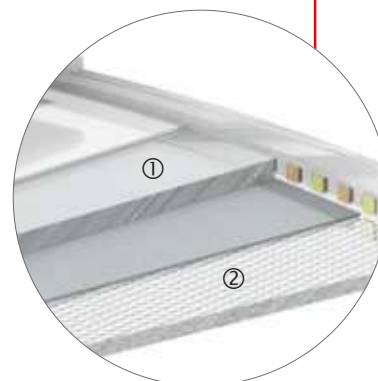
Diffuser plastic opal/micropismatic:
ideal for office areas ($UGR \leq 19$) and
environments with computer screens
in accordance with EN 12464-1.

Tool-free mounting system thanks
to the rocker arm mechanism
(patent pending).



RZB SIDELITE® technology:
lateral light injection for
extremely homogeneous
light distribution and
rimless illumination.

Diffuser ② and **lightguide ①**
made of **non-yellowing PMMA**.





Very easy plug-in installation (Quick connector).

3 different colours are available for the recessed ring and frame made of extruded aluminium profile, powder-coated.



Tunable White



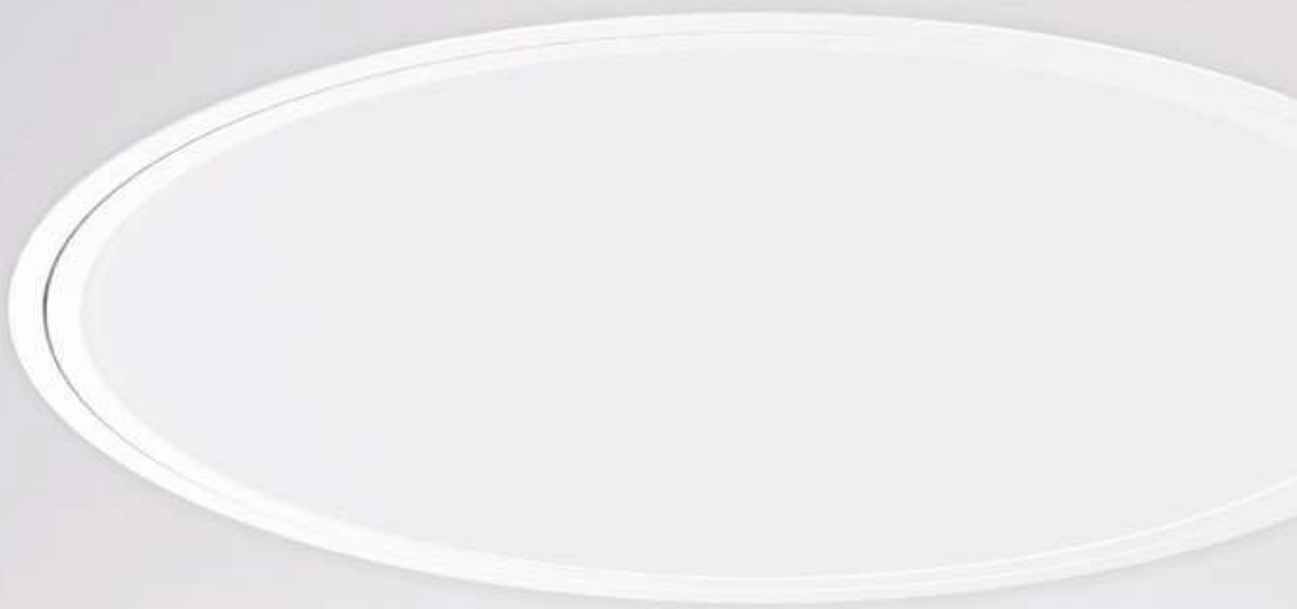
HCL ready

Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.



No disposable luminaire thanks to replaceable components.



Tunable White



HCL ready



UGR ≤ 19



DALI



Touch DIM



Plug & Play



reddot award 2019
winner



TRIONA®

Recessed ceiling luminaires

ARCHITECTURE

- **Extensive:** Built-in, surface-mounted and suspended luminaires.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Homogenous:** Lateral light emission (RZB SIDELITE® technology) for above-average homogeneous light distribution.
- **Anti-glare:** Suitable for office areas and computer workstations.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

INSTALLATION

- **Easy installation:** Tool-free mounting system thanks to the rocker arm mechanism (patent pending).
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:

Indoor lighting | Surface mounted modular luminaires
Indoor lighting | Suspended modular luminaires



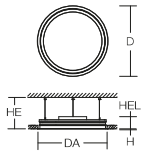


Comparison
LED vs. conventional lamps

- LED 28 W ≈**
1 x 60 W T16-R (65 W Psys)
- LED 29 W ≈**
1 x 55 W T16-R (60 W Psys)
- LED 31 / 40 W ≈**
1 x 22+40 W T16-R (70 W Psys)
- LED 49 W ≈**
3 x 32 W TC-TEL (105 W Psys)
- LED 66 W ≈**
4 x 42 W TC-TEL (180 W Psys)

Recessed ceiling luminaires | TRIONA round - Diffuser microprismatic

Type of protection: IP 20, **IP 40** on room side
Protection class: I
Impact protection: IK03
Recessed ring: aluminium extrusion profile, powder coated. Frame: aluminium, powder-coated.
Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/microprismatic diffuser (screen-compliant in accordance with EN 12464-1).
Driver integrated. Suitable for installation in cavity ceilings.
Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							
Diameter D 505 mm							
312423.00X.12	D 505, H 2, HE 100, HEL 89	830	3150	28	113	20,8	DALI
312423.00X.1.12	D 505, H 2, HE 100, HEL 89	840	3250	28	117	20,9	DALI
Tunable White - 2700 K to 6500 K							
312423.00X.2.12	D 505, H 2, HE 100, HEL 89	827-865	2700	29	94	20,2	DALI
Diameter D 725 mm							
312296.00X.12	D 725, H 2, HE 100, HEL 89	830	3750	31	121	18,7	DALI
312296.00X.1.12	D 725, H 2, HE 100, HEL 89	840	3900	31	126	18,8	DALI
Tunable White - 2700 K to 6500 K							
312296.00X.2.12	D 725, H 2, HE 100, HEL 89	827-865	3550	40	89	18	DALI
Diameter D 889 mm							
312299.00X.12	D 889, H 2, HE 100, HEL 89	830	8050	66	122	19,4	DALI
312299.00X.1.12	D 889, H 2, HE 100, HEL 89	840	8350	66	127	19,5	DALI
Tunable White - 2700 K to 6500 K							
312299.00X.2.12	D 889, H 2, HE 100, HEL 89	827-865	5050	49	104	18	DALI

Light colour 827 on request.



Recessed ceiling luminaires | TRIONA round - Diffuser opalType of protection: IP 20, **IP 40** on room side

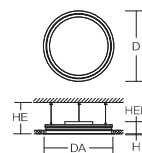
Protection class: I

Impact protection: IK03

Recessed ring: aluminium extrusion profile, powder coated. Frame: aluminium, powder-coated.

Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Driver integrated. Suitable for installation in cavity ceilings.

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



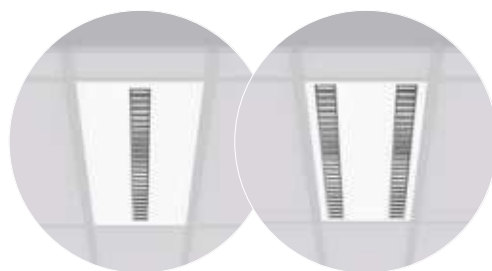
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							
Diameter D 505 mm							
312419.00X.12	D 505, H 2, HE 100, HEL 89	830	4650	48	97	24,4	DALI
312419.00X.1.12	D 505, H 2, HE 100, HEL 89	840	4900	48	102	24,6	DALI
Tunable White - 2700 K to 6500 K							
312419.00X.2.12	D 505, H 2, HE 100, HEL 89	827-865	2450	29	84	22,1...22,3	DALI
Diameter D 725 mm							
312383.00X.12	D 725, H 2, HE 100, HEL 89	830	6450	70	92	22,6	DALI
312383.00X.1.12	D 725, H 2, HE 100, HEL 89	840	6750	70	96	22,7	DALI
Tunable White - 2700 K to 6500 K							
312383.00X.2.12	D 725, H 2, HE 100, HEL 89	827-865	3350	40	84	20...20,2	DALI
Diameter D 889 mm							
312387.00X.12	D 889, H 2, HE 100, HEL 89	830	8000	80	100	21,7	DALI
312387.00X.1.12	D 889, H 2, HE 100, HEL 89	840	8300	80	104	21,8	DALI
Tunable White - 2700 K to 6500 K							
312387.00X.2.12	D 889, H 2, HE 100, HEL 89	827-865	4800	49	98	19,6...19,8	DALI

Light colour 827 on request.

**Comparison
LED vs. conventional lamps****LED 29 W ≈**1 x 55 W T16-R (60 W P_{sys})**LED 40 W ≈**1 x 60 W T16-R (65 W P_{sys})**LED 48 / 49 W ≈**4 x 26 W TC-D (112 W P_{sys})**LED 70 W ≈**3 x 42 W TC-TEL (137 W P_{sys})**LED 80 W ≈**4 x 42 W TC-TEL (180 W P_{sys})

SONIS EVO

Everything at a glance



Module 1200/1250:

single row and double row

Alea optical system

High luminous flux up to 6500 lm.

Housing: metal,
powder-coated.

Darklight reflector

Narrow beam, brilliant luminous effect.



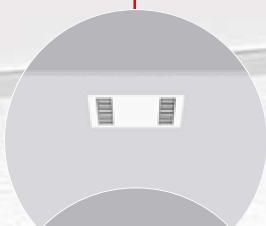
Alea optical system

A brilliant example of the power of innovation: The Alea optical system 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.



4 types of installation

recessed
lay-in
surface mounted
pendant (with accessories)



5 sizes

Module 300
Module 600/625
Module 1200/1250



DALI



reddot award 2017
winner

SONIS EVO

Recessed ceiling luminaires, Lay-in luminaires

ARCHITECTURE

- **Advantageous:** Perfect for 1:1 replacement during renovations.
- **Versatile:** Lay-in luminaire combined with accessories turns either into recessed, surface or pendant luminaire.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Optimum:** Alea optical system with deep beam light characteristic.
- **Powerful:** High luminous flux up to 6500 lm.

INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system.
- **Standard:** Suitable for through-wiring.



Further luminaires of this series, see:

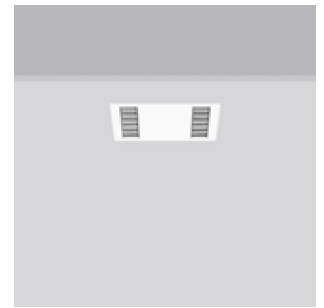
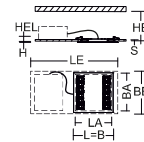
Indoor lighting | Surface mounted modular luminaires

Recessed ceiling luminaires | SONIS EVO

Type of protection: IP 20
Protection class: I, II = DALI
Ceiling thickness S: 1-20 mm
Impact protection: IK03

Housing: metal, powder-coated, **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated 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. ON / OFF versions suitable for through wiring as standard (DALI not).

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							
Cut out LA 280 x BA 255 mm							
901638.002.1	L 295, B 295, H 8, HE 137, HEL 37	840	1500	12	125	18,5	on/off
901638.002.1.76	L 295, B 295, H 8, HE 137, HEL 37	840	1500	12	125	18,5	DALI
901639.002.1	L 295, B 295, H 8, HE 137, HEL 37	840	2000	16	125	19,5	on/off
901639.002.1.76	L 295, B 295, H 8, HE 137, HEL 37	840	2000	16	125	19,5	DALI

Price Category 21

Comparison LED vs. conventional lamps

LED 12 W ≈

2 x 18 W TC-D (52 W Psys)

LED 16 W ≈

2 x 26 W TC-D (68 W Psys)

Surface mounting frame

982357.012 L 300, B 300, H 47 Mounting frame: sheet steel, powder-coated, white.

Price Category 21



Mounting frame for installation in suspended ceilings | Ceiling thickness: 1-25 mm

981987.012 L 324, B 324, H 2, HE 51 Recessed mounting frame: sheet steel, powder-coated, white.

Price Category 21

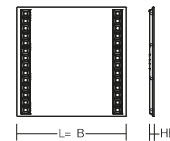


Lay-in luminaires | SONIS EVO

Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: metal, powder-coated, **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated 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). Suitable for through-wiring.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600							
901677.002.1.76	L 596, B 596, HE 27	840	3450	26	133	18,4	DALI
901677.002.1	L 596, B 596, HE 27	840	3450	26	133	18,5	on/off
Lay-in luminaires for grid ceilings - Module 625							
901678.002.1.76	L 621, B 621, HE 27	840	3450	26	133	18,4	DALI
901678.002.1	L 621, B 621, HE 27	840	3450	26	133	18,5	on/off

Price Category 21

Comparison LED vs. conventional lamps

LED 26 W ≈

4 x 14 W T16 (60 W Psys)

4 x 18 W T26 (71 W Psys)

Accessories | Surface mounting frame

Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame

982187.012 L 602, B 602, H 47 for module 600
982292.002 L 627, B 627, H 47 for module 625

Price Category 21



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

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

Price Category 21



Accessories | Pendant frame

Pendant frame with steel cable suspension and supply cable. Pendant frame: powder-coated metal, white.

Pendant frame

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

Price Category 21





Lay-in luminaires | SONIS EVO

Type of protection: IP 20

Protection class: I

Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated 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). Suitable for through-wiring.

Available colour: 2 = white

Comparison
LED vs. conventional lamps

LED 26 W ≈

1 x 54 W T16 (58 W Psys)

LED 50 W ≈

2 x 54 W T16 (115 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 1200							
single row Alea optical system							
901679.002.1	L 1197, B 297, HE 27	840	3450	26	133	18,5	on/off
901679.002.1.76	L 1197, B 297, HE 27	840	3450	26	133	18,5	DALI
double row Alea optical system							
901680.002.1	L 1197, B 297, HE 27	840	6500	50	130	18,6	on/off
901680.002.1.76	L 1197, B 297, HE 27	840	6500	50	130	18,7	DALI

Lay-in luminaires for grid ceilings - Module 1250							
single row Alea optical system							
901681.002.1	L 1247, B 310, HE 27	840	3450	26	133	18,5	on/off
901681.002.1.76	L 1247, B 310, HE 27	840	3450	26	133	18,4	DALI
double row Alea optical system							
901682.002.1	L 1247, B 310, HE 27	840	6500	50	130	18,6	on/off
901682.002.1.76	L 1247, B 310, HE 27	840	6500	50	130	18,7	DALI



Accessories | Surface mounting frame

Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame							
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 | 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							
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					

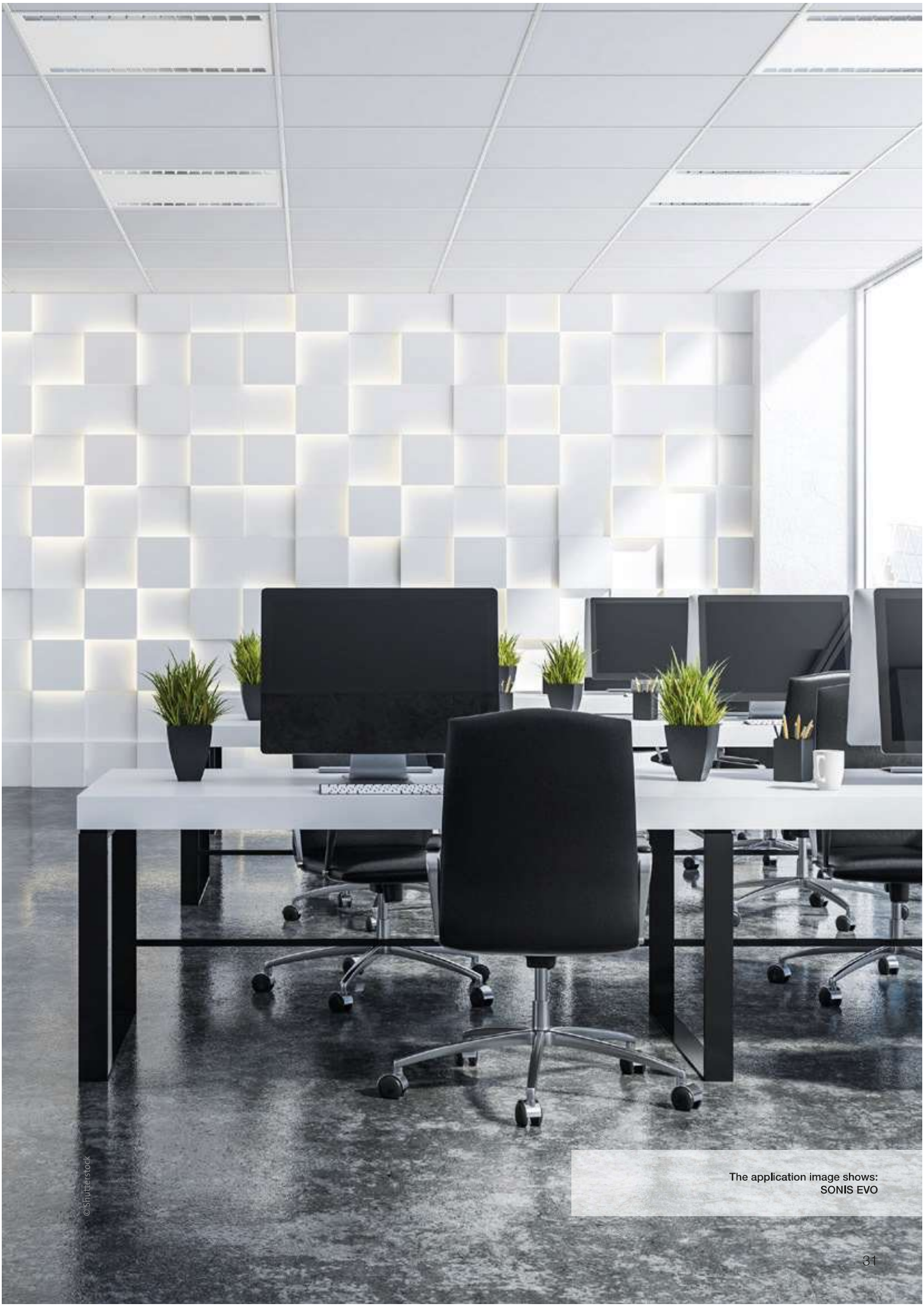


Accessories | Pendant frame

Pendant frame with steel cable suspension and supply cable. Pendant frame: powder-coated metal, white.

Pendant frame							
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					





PARLEDO®

Everything at a glance



Particularly suitable for the requirements of treatment rooms in healthcare facilities, in accordance with EN 12464 ($UGR \leq 19$, $CRI > 90$).

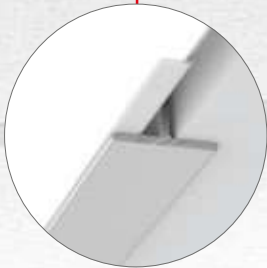


Degree of protection IP 65, dustproof and jet-proof.
Protection class IP 65 for luminaire and control gear on room and ceiling side.



DALI variants:
IoT Ready

Frameless appearance in the modular ceiling thanks to the extra slim frame.



For high hygienic requirements.
Diffuser made from resilient polycarbonate (PC) with smooth surface on room side for low sensitivity to dirt and easy cleaning.



Excellent glare control even with high luminous fluxes.
Diffuser microprismatic: ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1.



MultiLumen version:

The user can choose from four different luminous flux levels. This can be reversibly set manually on the external control gear.



Qualified for use in the food and drink industry.



The Cyanosis Observation Index (COI) describes the quality of the light spectrum of a luminaire for suitability for medical applications. Luminaires with a standardised COI of less than 3.3 are particularly suitable for reliable detection of cyanosis. Cyanosis is a bluish discolouration of the skin or the mucosa caused by a decrease in arterial oxygen saturation. This can be a symptom of dangerous disorders of the human organism. For an initial early visual diagnosis, the quality of light is crucial.



PARLEDO®

Lay-in luminaires

ARCHITECTURE

- **Clean:** For high hygienic requirements.
- **Hygienic:** Diffuser made from resistant polycarbonate (PC) with smooth surface on room side for low sensitivity to dirt and easy cleaning.
- **Advantageous:** Particularly suitable for use in healthcare and industry.
- **True colours:** Model with light colour 940 suitable for medical applications in accordance with the Cyanosis Observation Index (COI < 3.3)
- **Certified:** Qualified for use in the food and drink industry.
- **Filigree:** Frameless appearance in the modular ceiling thanks to the extra slim frame.

LIGHTING DESIGN

- **Anti-glare:** Diffuser microprismatic: ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1.
- **Reliable planning:** Excellent glare control even with high luminous fluxes.
- **MultiLumen:** Luminous flux variable in 4 steps.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Long service life:** LED rated life 60000 h (L80).
- **Efficient:** Luminous efficacy up to 147 lm/W.

INSTALLATION

- **Protected:** Protection type IP 65 for luminaire and control gear on room and ceiling side.
- **Robust:** Impact resistance IK06 for high impact resistance.
- **Uniform:** Flicker: DALI $\leq 1\%$, MultiLumen < 5%.
- **Plannable:** Easy to install thanks to extended connection cable (2 m).
- **Integrated:** Suitable for through wiring as standard.
- **Future-proof:** DALI variants IoT-ready.

Lay-in luminaires | PARLEDO

Type of protection: **IP 65**

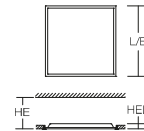
Protection class: I

Impact protection: IK06

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Smooth diffuser: plastic (polycarbonate), opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. External driver, Extended connection cable (2.0 m). Suitable for through wiring as standard. DALI variants IoT-ready.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires for visible mounting rails - Module 600							
Diffuser: plastic (polycarbonate), opal							
312567.002.790 *	L 595, B 595, HE 160, HEL 41	840	4550...5600	31...40	147	21,7...22,4	on/off
312568.002.76	L 595, B 595, HE 160, HEL 41	840	4550	31	147	21,7	DALI
312569.002.76	L 595, B 595, HE 160, HEL 41	840	5600	40	140	22,4	DALI
Diffuser: plastic (polycarbonate) microprismatic							
312570.002.790 *	L 595, B 595, HE 160, HEL 41	840	4050...5000	31...40	131	17,3...18	on/off
312571.002.76	L 595, B 595, HE 160, HEL 41	840	4050	31	131	17,3	DALI
312572.002.76	L 595, B 595, HE 160, HEL 41	840	5000	40	125	18	DALI

Recessed ceiling luminaires for visible mounting rails - Module 625							
Diffuser: plastic (polycarbonate), opal							
312573.002.790 *	L 622, B 622, HE 160, HEL 41	840	4500...5550	31...40	146	21,3...22	on/off
312574.002.76	L 622, B 622, HE 160, HEL 41	840	4500	31	146	21,3	DALI
312575.002.76	L 622, B 622, HE 160, HEL 41	840	5550	40	139	22	DALI
Diffuser: plastic (polycarbonate) microprismatic							
312576.002.790 *	L 622, B 622, HE 160, HEL 41	840	4100...5100	31...40	133	17,1...17,8	on/off
312577.002.76	L 622, B 622, HE 160, HEL 41	840	4100	31	133	17,1	DALI
312578.002.76	L 622, B 622, HE 160, HEL 41	840	5100	40	128	17,8	DALI

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 31 W ≈

3 x 21 W T16 (69 W Psys)

LED 40 W ≈

4 x 21 W T16 (90 W Psys)

Lay-in luminaires | PARLEDO

Type of protection: **IP 65**

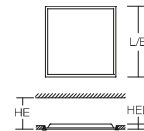
Protection class: I

Impact protection: IK06

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. Smooth diffuser: plastic (polycarbonate), microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Colour rendering index CRI > 90. Cyanosis Observation Index (COI) < 3.3. External driver, Extended connection cable (2.0 m). Suitable for through wiring as standard. DALI variants IoT-ready.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires for visible mounting rails - Module 600							
Diffuser: plastic (polycarbonate) microprismatic							
312599.002.790 *	L 595, B 595, HE 160, HEL 41	940	4050...5000	32...41	127	17,3...18,1	on/off
312600.002.76	L 595, B 595, HE 160, HEL 41	940	4050	32	127	17,3	DALI
312601.002.76	L 595, B 595, HE 160, HEL 41	940	5000	41	122	18,1	DALI

Recessed ceiling luminaires for visible mounting rails - Module 625							
Diffuser: plastic (polycarbonate) microprismatic							
312602.002.790 *	L 622, B 622, HE 160, HEL 41	940	4050...5000	32...41	127	17...17,7	on/off
312603.002.76	L 622, B 622, HE 160, HEL 41	940	4050	32	127	17	DALI
312604.002.76	L 622, B 622, HE 160, HEL 41	940	5000	41	122	17,7	DALI

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Comparison LED vs. conventional lamps

LED 32 W ≈

3 x 24 W T16 (75 W Psys)

LED 41 W ≈

4 x 24 W T16 (98 W Psys)

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					

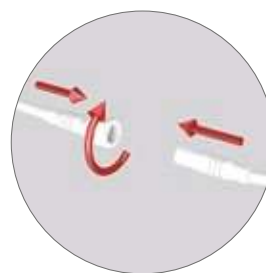






SIDELITE® ECO

Everything at a glance



External driver with simple plug-in locking system and extended connecting cable (1.9 m).



Recessed version suitable for use in the food and drink industry.

Luminaire frame:
aluminium,
powder-coated.



MultiLumen version:

The user can choose from four different luminous flux levels.
This can be reversibly set manually on the external control gear.



Ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with DIN EN 12464-1.



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.



Tunable White



HCL ready

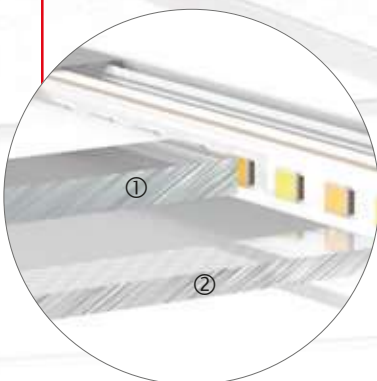
Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with our RZB light management systems.

Extremely shallow installation depth (12 mm).

RZB SIDELITE® technology:
lateral light injection for extremely homogeneous light distribution.

Lightguide ① and **diffuser ②**
made of **non-yellowing PMMA**
with microprismatic.



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



Tunable White



HCL ready



UGR ≤ 19



MultiLumen

DALI



Casambi
smart+
free



HACCP



Plug & Play



IP40

SIDELITE® ECO

Recessed ceiling luminaires, Lay-in luminaires

ARCHITECTURE

- **Versatile:** Wide variety of versions within the luminaire range: 3 designs, 3 installation types, 2 diffusers.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.
- **Certified:** Qualified for use in the food and drink industry.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Variable:** MultiLumen - 4-step adjustable luminous flux.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50,000 h (L80/B50).

INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system and extended converter connecting cable to luminaire (1.90 m).
- **Standard:** DALI and Casambi smart+free variants suitable for through wiring as standard.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Extensive:** Luminaire can be used with accessories (to be ordered separately) for recessed, surface mounting or as pendant luminaire.



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

Recessed ceiling luminaires | SIDELITE ECO

Type of protection: IP 20, **IP 40** on room side

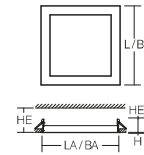
Protection class: II

Ceiling thickness S: 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 plastic (PMMA). Lateral light emission thanks to LED. Extended connection cable (1.20 m). External driver (height 32 mm). DALI variants suitable for through wiring as standard.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control	Price Category 21
Recessed ceiling luminaires								
cut out LA 315 x BA 315 mm								
Diffuser: plastic (PMMA), opal								
312380.002	L 324, B 324, H 2, HE 85, HEL 51	830	2100	19	111	25	on/off	
312380.002.76	L 324, B 324, H 2, HE 85, HEL 51	830	2100	19	111	25	DALI	
312380.002.1	L 324, B 324, H 2, HE 85, HEL 51	840	2200	19	116	25,1	on/off	
312380.002.1.76	L 324, B 324, H 2, HE 85, HEL 51	840	2200	19	116	25,1	DALI	

Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W Psys)

Accessories | Through-wiring box

Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box	Price Category 21
982703.002 L 98, B 55, H 28 5 pole, cable cross-sections of up to 5 x 1.5 mm ² or 3 x 2.5 mm ² possible.	



The application image shows:
SIDELITE ECO

**Lay-in luminaires | SIDELITE ECO**

Type of protection: IP 20, IP 40 on room side

Protection class: II

Ceiling thickness S: 10-25 mm

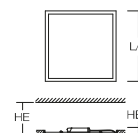
Impact protection: IK03

Frame: aluminium, powder-coated, Diffuser: plastic (PMMA), opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1), Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. Extended connection cable (1.90 m). External driver, DALI and Casambi smart+free variants suitable for through wiring as standard.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest offered step.

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

**Comparison
LED vs. conventional lamps****LED 29 / 30 W ≈**

4 x 14 W T16 (60 W Psys)

LED 38 W ≈

4 x 24 W T16 (98 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control	
Lay-in luminaires for grid ceilings - Module 600								Price Category 21
Diffuser: plastic (PMMA), opal								
312272.002.790	L 595, B 595, HE 160, HEL 37	830	3400...4300	29...38	118	21,5...22,3	on/off	✓
312272.002.76	L 595, B 595, HE 160, HEL 38	830	3400...4300	29...38	118	21,5...22,3	DALI	
312272.002.1.790	L 595, B 595, HE 160, HEL 37	840	3700...4600	29...38	128	21,8...22,6	on/off	✓
312272.002.1.76	L 595, B 595, HE 160, HEL 38	840	3700...4600	29...38	128	21,8...22,6	DALI	
Tunable White - 2700 K to 6500 K								
312272.002.2.730 *	L 595, B 595, HE 160, HEL 39	827-865	3000	30	100	20,4...20,7	smart+free	
Diffuser: plastic (PMMA) microprismatic								
312273.002.790	L 595, B 595, HE 160, HEL 37	830	3400...4300	29...38	118	17,9...18,7	on/off	✓
312273.002.76	L 595, B 595, HE 160, HEL 38	830	3400...4300	29...38	118	17,9...18,7	DALI	
312273.002.1.790 .Q	L 595, B 595, HE 160, HEL 37	840	3700...4600	29...38	128	18,2...18,9	on/off	✓
312273.002.1.76	L 595, B 595, HE 160, HEL 38	840	3700...4600	29...38	128	18,2...18,9	DALI	
Tunable White - 2700 K to 6500 K								
312273.002.2.730 *	L 595, B 595, HE 160, HEL 39	827-865	3050	30	102	17,3...17,7	smart+free	
Lay-in luminaires for grid ceilings - Module 625								Price Category 21
Diffuser: plastic (PMMA), opal								
312274.002.790	L 622, B 622, HE 160, HEL 37	830	3400...4300	29...38	118	21,3...22,1	on/off	✓
312274.002.76	L 622, B 622, HE 160, HEL 38	830	3400...4300	29...38	118	21,3...22,1	DALI	
312274.002.1.790 .Q	L 622, B 622, HE 160, HEL 37	840	3700...4600	29...38	128	21,6...22,3	on/off	✓
312274.002.1.76	L 622, B 622, HE 160, HEL 38	840	3700...4600	29...38	128	21,6...22,3	DALI	
Tunable White - 2700 K to 6500 K								
312274.002.2.730 *	L 622, B 622, HE 160, HEL 39	827-865	2900	30	97	20,1...20,5	smart+free	
Diffuser: plastic (PMMA) microprismatic								
312275.002.790	L 622, B 622, HE 160, HEL 37	830	3400...4300	29...38	118	17,7...18,5	on/off	✓
312275.002.76	L 622, B 622, HE 160, HEL 38	830	3400...4300	29...38	118	17,7...18,5	DALI	
312275.002.1.790 .Q	L 622, B 622, HE 160, HEL 37	840	3700...4600	29...38	128	18...18,7	on/off	✓
312275.002.1.76	L 622, B 622, HE 160, HEL 38	840	3700...4600	29...38	128	18...18,7	DALI	
Tunable White - 2700 K to 6500 K								
312275.002.2.730 *	L 622, B 622, HE 160, HEL 39	827-865	3050	29	106	17,1...17,4	smart+free	
MultiLumen version: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com .								
* 0,35 m power cable								



This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

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

not suitable for tunable white version



Accessories | Surface mounting frame

Mounting frame: sheet steel, powder-coated, white.

Surface mounting frame

	Price Category 21
982187.032	L 602, B 602, H 52
982292.022	L 627, B 627, H 47

for module 600
for module 625



Ceiling surface mounting kit

	Price Category 21
981980.012	consisting of 4 cylindrical spacers (Ø 30, H 38) for module 600 / 1200

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



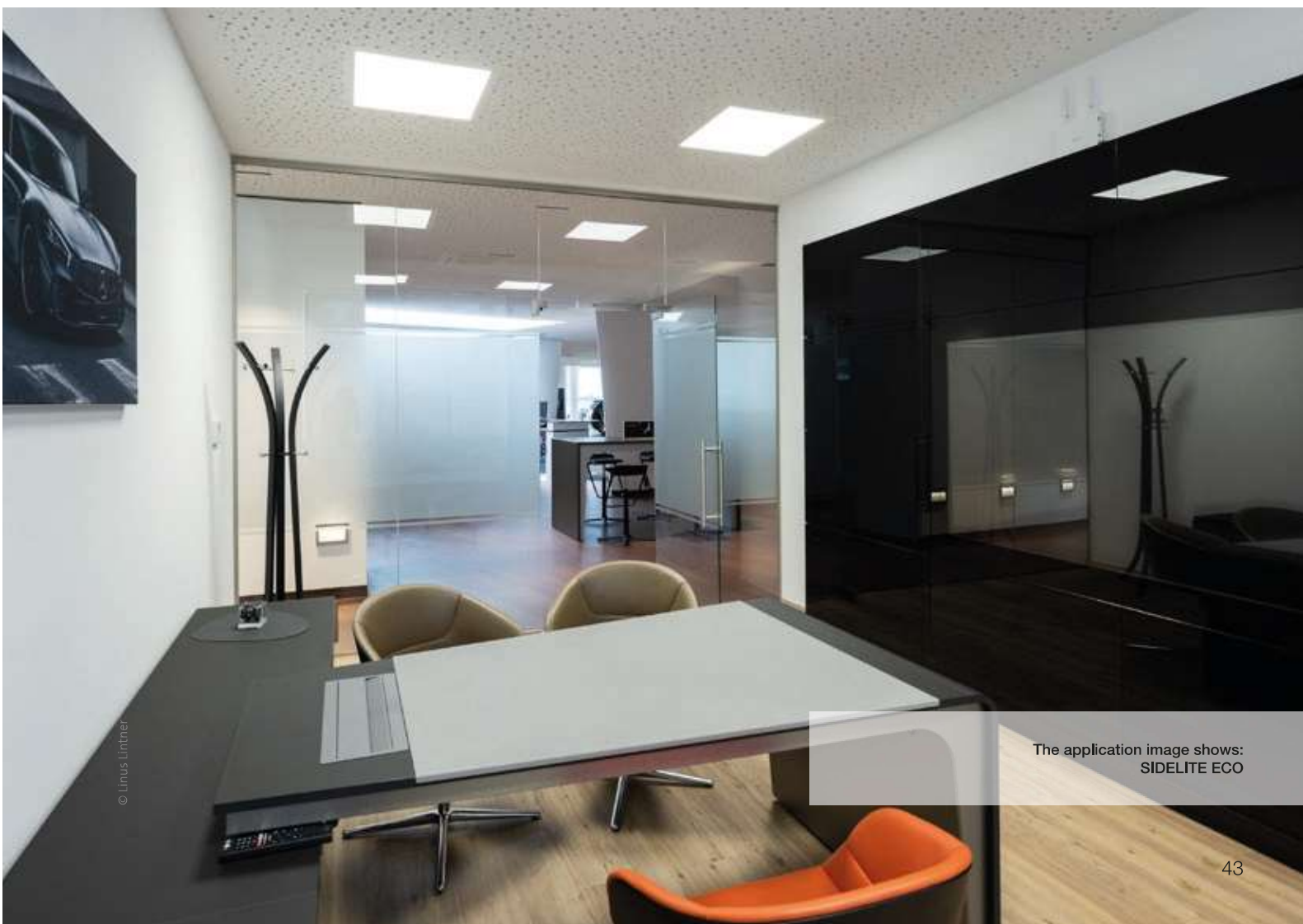
Accessories | Through-wiring box

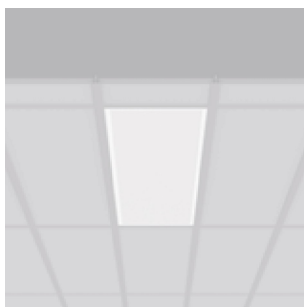
Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box

	Price Category 21
982703.002	L 98, B 55, H 28

5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.



**Lay-in luminaires | SIDELITE ECO**

Type of protection: IP 20, IP 40 on room side

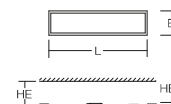
Protection class: II

Ceiling thickness S: 10-25 mm

Impact protection: IK03

Frame: aluminium, powder-coated, Diffuser: plastic (PMMA), opal or microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1), Lightguide and diffuser made of non-yellowing plastic (PMMA), Lateral light emission thanks to LED, Extended connection cable (1.90 m), External driver, DALI variants suitable for through wiring as standard.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux, Factory setting is the lowest offered step.**Comparison
LED vs. conventional lamps****LED 29 W ≈**

1 x 54 W T16 (58 W Psys)

2 x 28 W T16 (61 W Psys)

LED 38 W ≈

1 x 80 W T16 (86 W Psys)

2 x 39 W T16 (82 W Psys)



This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency ¹ [lm/W]	UGR	Lighting control	
Lay-in luminaires for grid ceilings - Module 1200								
Diffuser: plastic (PMMA), opal								
312365.002.790	L 1195, B 295, HE 160, HEL 37	830	3200...4000	29...38	111	21,1...21,8	on/off	✓
312365.002.76	L 1195, B 295, HE 160, HEL 38	830	3200...4000	29...38	111	21,1...21,8	DALI	
312365.002.1.790	L 1195, B 295, HE 160, HEL 37	840	3500...4400	29...38	121	21,4...22,2	on/off	✓
312365.002.1.76	L 1195, B 295, HE 160, HEL 38	840	3500...4400	29...38	121	21,4...22,2	DALI	
Diffuser: plastic (PMMA) microprismatic								
312366.002.790	L 1195, B 295, HE 160, HEL 37	830	3200...4000	29...38	111	18...18,8	on/off	✓
312366.002.76	L 1195, B 295, HE 160, HEL 38	830	3200...4000	29...38	111	18...18,8	DALI	
312366.002.1.790	L 1195, B 295, HE 160, HEL 37	840	3500...4400	29...38	121	18,3...19,1	on/off	✓
312366.002.1.76	L 1195, B 295, HE 160, HEL 38	840	3500...4400	29...38	121	18,3...19,1	DALI	

Price Category 21

Lay-in luminaires for grid ceilings - Module 1250								
Diffuser: plastic (PMMA), opal								
312367.002.790	L 1245, B 308, HE 160, HEL 37	830	3200...4000	29...38	111	21,2...22	on/off	✓
312367.002.76	L 1245, B 308, HE 160, HEL 38	830	3200...4000	29...38	111	21,2...22	DALI	
312367.002.1.790	L 1245, B 308, HE 160, HEL 37	840	3500...4400	29...38	121	21,5...22,3	on/off	✓
312367.002.1.76	L 1245, B 308, HE 160, HEL 38	840	3500...4400	29...38	121	21,5...22,3	DALI	
Diffuser: plastic (PMMA) microprismatic								
312368.002.790	L 1245, B 308, HE 160, HEL 37	830	3200...4000	29...38	111	17,5...18,2	on/off	✓
312368.002.76	L 1245, B 308, HE 160, HEL 38	830	3200...4000	29...38	111	17,5...18,2	DALI	
312368.002.1.790	L 1245, B 308, HE 160, HEL 37	840	3500...4400	29...38	121	17,8...18,6	on/off	✓
312368.002.1.76	L 1245, B 308, HE 160, HEL 38	840	3500...4400	29...38	121	17,8...18,6	DALI	

Price Category 21

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.**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: sheet steel, powder-coated, 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 600 / 1200

not suitable for tunable white version

Pendant kit

Price Category 21

982035.022 L 300, B 100, H 50, Y-pendant set with canopy | for module 1200
LP 300-1500**Accessories | Through-wiring box**

Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box

Price Category 21

982703.002 L 98, B 55, H 28 5 pole, cable cross-sections of up to 5 x 1.5 mm² or 3 x 2.5 mm² possible.





HCL COMPLETE PACKAGE

Light management

The HCL (Human Centric Lighting) complete package consisting of **4 recessed lay-in SIDELITE ECO luminaires with tunable white function** (TW 2700 K - 6500 K) and **control including light and presence sensor**, simulates the natural course of daylight in the sun and thus supports activity and well-being. Recessed ceiling sensor included.

The HCL complete package can be flexibly adjusted to your project:

A total of up to 32 luminaires (each 1 x EB DALI®) can be controlled. In addition, up to 4 sensors (type 982757.002) can be connected (with the ceiling installation housing 01-8613.002). (1 sensor is included in the scope of delivery.)

ARCHITECTURE

- **Environmentally friendly:** Energy savings up to 80% (compared to manual switching).
- **Sustainable:** Extends service life of lighting system.
- **Versatile:** Lighting control with Bluetooth® app connection.

LIGHTING DESIGN

- **Compatible:** Suitable for daylight- and presence-dependent lighting.
- **Flexible:** Circadian daylight simulation (HCL).
- **Individual:** Different operating modes (on request).
- **Plannable:** Integrated real-time clock.

INSTALLATION

- **Easy installation:** Plug & Play.
- **Powerful:** Up to 32 DALI converters.
- **Suitable for integration:** Up to 4 sensors.
- **Straightforward:** Commissioning via app.

Reference
number

HCL complete package - Module 600
Price Category 21

99050.1169 1 x light control +³ Economy MULTI DALI
1 x Light and presence sensor incl. installation housing
4 x Sidelite ECO (312273.002.2.76AB): Lay-in luminaires for grid ceilings
(Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver. Tunable white versions, dynamically adjustable from 2700 K to 6500 K.)

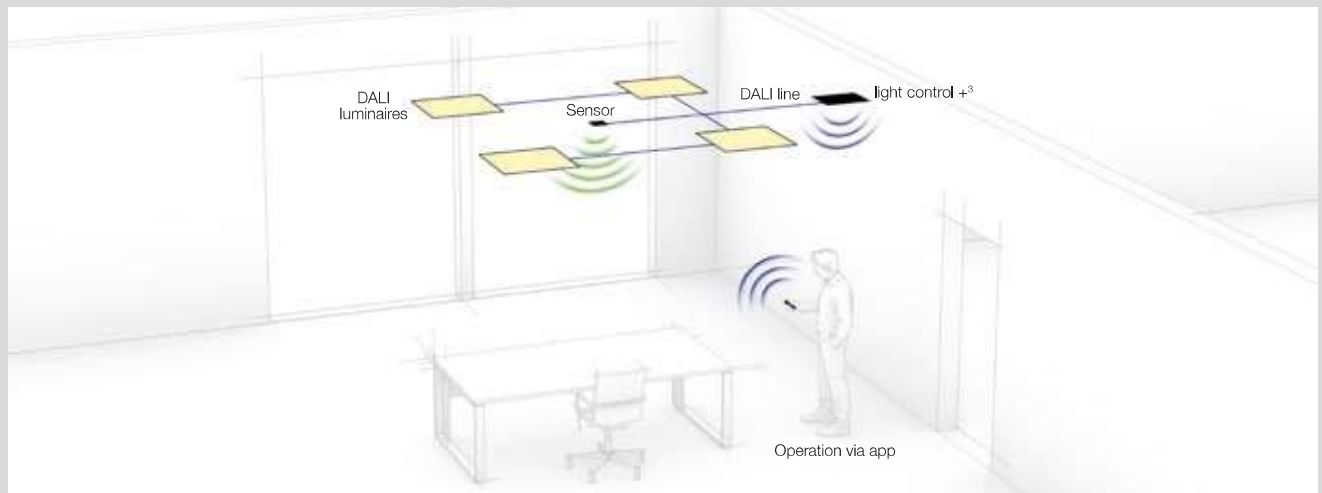
HCL complete package - Module 625
Price Category 21

99050.1167 1 x light control +³ Economy MULTI DALI
1 x Light and presence sensor incl. installation housing
4 x Sidelite ECO (312275.002.2.76): Lay-in luminaires for grid ceilings
(Frame: aluminium, powder-coated. Diffuser made of non-yellowing plastic microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver. Tunable white versions, dynamically adjustable from 2700 K to 6500 K.)


PROJECT EXAMPLE: HCL in a single office (25 m²) with a grid ceiling

It couldn't be simpler than this! You only require ONE HCL complete package: purchase - install - finished!

1 x HCL complete package - Module 600 or 625


PROJECT EXAMPLE: HCL in a classroom (50 m²) with a grid ceiling

Can be expanded as needed! Simply expand ONE HCL complete package with the desired individual components.

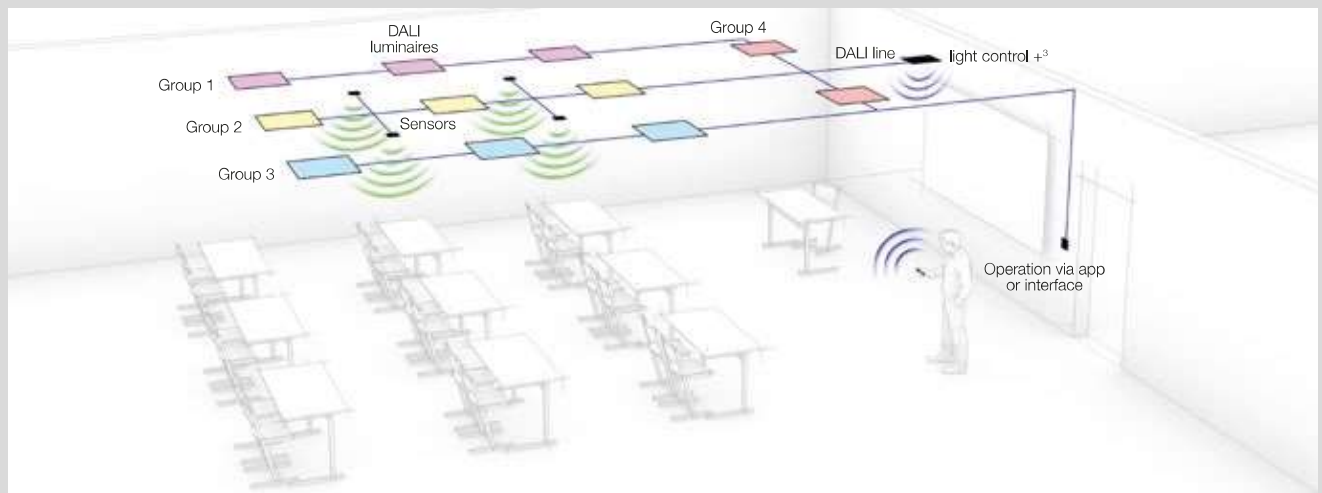
Ideal for renovation work in schools and educational buildings!

1 x HCL complete package - Module 600 or 625

7 x Additional luminaires Sidelite ECO (312273.002.2.76 or 312275.002.2.76)

3 x Additional sensors (982757.002 with 01-8613.002)

1 x Push-button coupler (982755.002)



KALEEA

Everything at a glance



External driver with simple plug-in locking system.

Luminaire frame: aluminium, powder-coated.



MultiLumen version:
The user can choose from four different luminous flux levels. This can be reversibly set manually on the external control gear.



Colour rendering index CRI >90 for true-to-life colour reproduction.



KALEEA also available as an emergency luminaire in accordance with EN 60598-2-22.



LED backlight technology for homogeneous illumination of the entire light-emitting surface.



UGR ≤ 19

Ideal for office areas (UGR ≤ 19) and environments with computer screens in accordance with DIN EN 12464-1.

Diffusor made of **non-yellowing PMMA**, microprismatic.



KALEEA

Lay-in luminaires

ARCHITECTURE

- **Versatile:** 2 module sizes.
- **Long service life:** version with diffuser plastic made of non-yellowing PMMA.
- **Efficient:** Advanced LED backlight technology.
- **Uniform:** Extremely uniform appearance of the light-emitting surface thanks to Backlight-Technology.
- **Combinable:** Also available as an emergency luminaire in accordance with EN 60598-2-22.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **True colours:** Designs with $\text{CRI} \geq 90$ for the most realistic possible perception of colours of surroundings, objects and people.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).

INSTALLATION

- **Straightforward:** External driver with simple plug-in locking system.
- **Versatile:** Through-wiring or surface-mounted frame optionally available.
- **Flexible:** MultiLumen variants - 4 steps adjustable luminous flux.

Lay-in luminaires | KALEEA

Type of protection: IP 20, **IP 40** on room side

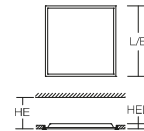
Protection class: II

Impact protection: IK02

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Diffuser made of non-yellowing plastic (PMMA) microprismatic. Suitable for use in environments with computer screens in accordance with EN 12464-1. External driver.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the second offered step.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600							
Price Category 21							
312463.002.1.790 .Q	L 595, B 595, HE 160, HEL 33	840	3100...4400	24...36	130	17,6...18,9	on/off
312463.002.1.76	L 595, B 595, HE 160, HEL 33	840	3100...4400	24...36	130	17,6...18,9	DALI
312627.002.1.790	L 595, B 595, HE 160, HEL 33	940	3300...4650	24...35	138	18...19,2	on/off
312627.002.1.76	L 595, B 595, HE 160, HEL 33	940	3300...4650	24...35	138	18...19,2	DALI
Lay-in luminaires for grid ceilings - Module 625							
Price Category 21							
312464.002.1.790 .Q	L 620, B 620, HE 160, HEL 33	840	3300...4600	24...36	138	17,5...18,7	on/off
312464.002.1.76 .Q	L 620, B 620, HE 160, HEL 33	840	3300...4600	24...36	138	17,5...18,7	DALI
312628.002.1.790	L 620, B 620, HE 160, HEL 33	940	3200...4550	24...35	134	17,5...18,7	on/off
312628.002.1.76	L 620, B 620, HE 160, HEL 33	940	3200...4550	24...35	134	17,5...18,7	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Accessories | Surface mounting frame

Surface mounting frame, white. Consists of 4 powder-coated extruded aluminum profiles and 4 plastic corner connectors.

Surface mounting frame			Price Category 21
982727.002	L 602, B 602, H 75	for module 600	
982728.002	L 627, B 627, H 75	for module 625	



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
982957.002	L 622, B 622, H 2, HE 93	for module 600	
982958.002	L 646, B 646, H 2, HE 93	for module 625	



Accessories | Through-wiring box

Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm ² or 3 x 2.5 mm ² possible.	



Safety cable set

Safety cable set			Price Category 11
982811.010	Safety cable set up to 10 kg		



LED backlight technology for homogeneous illumination of the entire light-emitting surface.



Lay-in luminaires | KALEEA BASIC

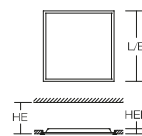
Type of protection: IP 20, IP 40 on room side

Protection class: II

Impact protection: IK03

Housing: sheet steel, powder-coated. Luminaire frame: aluminium, powder-coated. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Diffuser plastic micro-prismatic. Suitable for use in environments with computer screens in accordance with EN 12464-1. External driver.

Available colour: 2 = white



Comparison LED vs. conventional lamps

LED 35 / 36 W \approx
3 x 24 W T16 (75 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600							Price Category 21
312558.002.1 .Q	L 595, B 595, HE 160, HEL 33	840	3450	35	99	18	on/off
312558.002.1.76	L 595, B 595, HE 160, HEL 33	840	3450	35	99	18	DALI
Lay-in luminaires for grid ceilings - Module 625							Price Category 21
312559.002.1 .Q	L 620, B 620, HE 160, HEL 33	840	3600	36	100	17,8	on/off
312559.002.1.76	L 620, B 620, HE 160, HEL 33	840	3600	36	100	17,8	DALI



Accessories | Surface mounting frame

Surface mounting frame, white. Consists of 4 powder-coated extruded aluminum profiles and 4 plastic corner connectors.

Surface mounting frame			Price Category 21
982727.002	L 602, B 602, H 75	for module 600	
982728.002	L 627, B 627, H 75	for module 625	



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
982957.002	L 622, B 622, H 2, HE 93	for module 600	
982958.002	L 646, B 646, H 2, HE 93	for module 625	



Accessories | Through-wiring box

Plug-in extension for through-wiring. Pre-installed 150-mm-long connecting cable with open cable ends for easy connection to the converter.

Through-wiring box			Price Category 21
982703.012	L 98, B 55, H 28	3 pole, cable cross-sections of up to 3 x 1.5 mm ² or 3 x 2.5 mm ² possible.	
982703.002	L 98, B 55, H 28	5 pole, cable cross-sections of up to 5 x 1.5 mm ² or 3 x 2.5 mm ² possible.	



Safety cable set

Safety cable set up to 10 kg		Price Category 11
982811.010		



LED backlight technology for homogeneous illumination of the entire light-emitting surface.





TOLEDO FLAT

Lay-in luminaires

ARCHITECTURE

- **Advantageous:** Extension of the highly successful LED downlight range as recessed luminaire for grid ceilings.
- **Reduced:** Extra flat design.
- **Applicable:** Offices, meeting rooms, corridors, side rooms.

LIGHTING DESIGN

- **Homogenous:** Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic.
- **Optimum:** LED rated life 50,000 h (L80/B50).
- **Combinable:** Retrofittable decorative chintz lampshades as accessory.

INSTALLATION

- **Straightforward:** Quick and easy to install.
- **Easy installation:** Easy installation with Plug & Play plug connection.
- **Expandable:** DALI variants suitable for through wiring as standard.



Further luminaires of this series, see:

Indoor lighting | Recessed downlights
Indoor lighting | Surface mounted downlights
Indoor lighting | Pendant luminaires
Indoor lighting | Fabric lampshade luminaires

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. Including separate LED converter with connecting cable 250 mm.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	α [°]	UGR	Lighting control
Lay-in luminaires for grid ceilings - Module 600								
Diffuser: plastic (PMMA), opal								
901591.002	L 595, B 595, H 6, HE 43	830	3550	30	119	113	23,9	on/off
901591.002.76	L 595, B 595, H 6, HE 43	830	3550	30	119	113	23,9	DALI
901591.002.1	L 595, B 595, H 6, HE 43	840	3600	30	120	113	23,9	on/off
901591.002.1.76	L 595, B 595, H 6, HE 43	840	3600	30	120	113	23,9	DALI
Diffuser: plastic (PMMA), transparent microprismatic								
901589.002	L 595, B 595, H 6, HE 43	830	3450	30	115	88	21,1	on/off
901589.002.76	L 595, B 595, H 6, HE 43	830	3450	30	115	88	21,1	DALI
901589.002.1	L 595, B 595, H 6, HE 43	840	3550	30	119	88	21,4	on/off
901589.002.1.76	L 595, B 595, H 6, HE 43	840	3550	30	119	88	21,4	DALI

Price Category 21

Lay-in luminaires for grid ceilings - Module 625								
Diffuser: plastic (PMMA), opal								
901592.002	L 622, B 622, H 6, HE 43	830	3550	30	119	113	23,9	on/off
901592.002.76	L 622, B 622, H 6, HE 43	830	3550	30	119	113	23,9	DALI
901592.002.1	L 622, B 622, H 6, HE 43	840	3600	30	120	113	23,9	on/off
901592.002.1.76	L 622, B 622, H 6, HE 43	840	3600	30	120	113	23,9	DALI
Diffuser: plastic (PMMA), transparent microprismatic								
901590.002	L 622, B 622, H 6, HE 43	830	3450	30	115	88	21,1	on/off
901590.002.76	L 622, B 622, H 6, HE 43	830	3450	30	115	88	21,1	DALI
901590.002.1	L 622, B 622, H 6, HE 43	840	3550	30	119	88	21,4	on/off
901590.002.1.76	L 622, B 622, H 6, HE 43	840	3550	30	119	88	21,4	DALI

Price Category 21

Comparison LED vs. conventional lamps

LED 30 W ≈

3 x 26 W TC-D (102 W Psys)

4 x 14 W T16 (60 W Psys)

4 x 18 W T26 (71 W Psys)

Accessories | Chintz decorative element TOLEDO FLAT round

Fabric shade with classic chintz fabric. Can be retrofitted without tools to the recessed downlight. Various fabric colors available.

Color code must be specified in the order.

Available colour (Y): Color code overview see page 317.

Please be aware of possible increased freight charges for deliveries outside of Germany.



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 plastic 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.



with diffuser

Colour chart Chintz lampshades			Price Category 21
W06630	L 150, B 65, H 40	Chintz lampshades are available in more than 50 different colours.	



Further luminaires of this series and a colour chart with more than 50 available colours, see: Indoor Lighting: Fabric lampshade luminaires



The application image shows:
TRIONA round
LESS IS MORE 27

© Sajovic & Scherr Fotografie



TRIONA®

Everything at a glance

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



Diffuser plastic opal/micropismatic: ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1.

3 different colours are available for the very flat and seamless extruded aluminium profile.

Special colors on request.



Tunable white versions, dynamically adjustable from 2700 K to 6500 K.
Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

3 types of installation
recessed (TRIONA round)
surface mounted
pendant

3 designs
round
square
rectangle



TRIONA ring
coming soon



Very easy plug-in installation
(Quick connector).



No disposable luminaire
thanks to replaceable
components.



Indirect light emission through
non-yellowing plastic (PMMA)
diffuser, satin finish.

2 light emission characteristics

direct
direct/indirect



5 diffusers

Plastic (PMMA), opal
Plastic (PMMA) opal/micropismatic
Glass FerroMurano (TRIONA round)





Tunable White



HCL ready



UGR ≤ 19

DALI



Casambi
smart+
free



Touch DIM



Plug & Play



reddot award 2019
winner



TRIONA®

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** 3 designs, 4 sizes, 3 types of installation, 5 diffusers, 3 colours.
- **Versatile:** Built-in, surface-mounted and suspended luminaires.
- **Design-oriented:** This lighting fixture's diffuser is incorporated into an extruded aluminium profile just 50 mm thick.
- **Individual:** Plastic diffuser (PMMA), microprismatic, opal, or for TRIONA round, with optional hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Homogenous:** Particularly homogeneous, soft and glare-free light.
- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Applicable:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Advantageous:** Direct or direct/indirect light emission.

INSTALLATION

- **Easy installation:** Tool-free assembly.
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Suspended modular luminaires

Ceiling and wall luminaires | TRIONA round - Diffuser microprismatic

Type of protection: IP 20

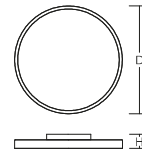
Protection class: I

Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/microprismatic diffuser (screen-compliant in accordance with EN 12464-1). Tool-free mounting via bayonet connection. Driver integrated.

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

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							
Diameter D 461 mm							
312423.00X.76	D 461, H 88	830	3150	28	113	20,8	DALI
312423.00X.730	D 461, H 88	830	3150	28	113	20,8	smart+free
312423.00X.1.76	D 461, H 88	840	3250	28	116	20,9	DALI
312423.00X.1.730	D 461, H 88	840	3250	28	116	20,9	smart+free
Tunable White - 2700 K to 6500 K							
312423.00X.2.76	D 461, H 88	827-865	2700	29	93	20...20,2	DALI
312423.00X.2.730	D 461, H 88	827-865	2700	29	93	20...20,2	smart+free
Diameter D 681 mm							
312296.00X.76	D 681, H 88	830	3750	31	121	18,7	DALI
312296.00X.730	D 681, H 88	830	3750	31	121	18,7	smart+free
312296.00X.1.76	D 681, H 88	840	3900	31	126	18,8	DALI
312296.00X.1.730	D 681, H 88	840	3900	31	126	18,8	smart+free
Tunable White - 2700 K to 6500 K							
312296.00X.2.76	D 681, H 88	827-865	3550	40	89	17,9...18	DALI
312296.00X.2.730	D 681, H 88	827-865	3550	40	89	17,9...18	smart+free
Diameter D 845 mm							
312299.00X.76	D 845, H 88	830	8050	66	122	19,4	DALI
312299.00X.730	D 845, H 88	830	8050	66	122	19,4	smart+free
312299.00X.1.76	D 845, H 88	840	8350	66	127	19,5	DALI
312299.00X.1.730	D 845, H 88	840	8350	66	127	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312299.00X.2.76	D 845, H 88	827-865	5050	49	103	17,8...18	DALI
312299.00X.2.730	D 845, H 88	827-865	5050	49	103	17,8...18	smart+free
Diameter D 1009 mm							
312302.00X.76	D 1009, H 88	830	9400	84	112	18,9	DALI
312302.00X.730	D 1009, H 88	830	9400	84	112	18,9	smart+free
312302.00X.1.76	D 1009, H 88	840	9750	84	116	19	DALI
312302.00X.1.730	D 1009, H 88	840	9750	84	116	19	smart+free
Tunable White - 2700 K to 6500 K							
312302.00X.2.76	D 1009, H 88	827-865	6000	61	98	16,7...16,9	DALI
312302.00X.2.730	D 1009, H 88	827-865	6000	61	98	16,7...16,9	smart+free

Ceiling and wall luminaires - Direct 70%, indirect 30% light emission							
Diameter D 461 mm							
312424.00X.76	D 461, H 88	830	3700	38	97	19,4	DALI
312424.00X.730	D 461, H 88	830	3700	38	97	19,4	smart+free
312424.00X.1.76	D 461, H 88	840	3850	38	101	19,5	DALI
312424.00X.1.730	D 461, H 88	840	3850	38	101	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312424.00X.2.76	D 461, H 88	827-865	3250	38	86	18,8...18,9	DALI
312424.00X.2.730	D 461, H 88	827-865	3250	38	86	18,8...18,9	smart+free
Diameter D 681 mm							
312297.00X.76	D 681, H 88	830	6700	64	105	17,6	DALI
312297.00X.730	D 681, H 88	830	6700	64	105	17,6	smart+free
312297.00X.1.76	D 681, H 88	840	6950	64	109	17,7	DALI
312297.00X.1.730	D 681, H 88	840	6950	64	109	17,7	smart+free
Tunable White - 2700 K to 6500 K							
312297.00X.2.76	D 681, H 88	827-865	4800	61	79	16...16,1	DALI
312297.00X.2.730	D 681, H 88	827-865	4800	61	79	16...16,1	smart+free
Diameter D 845 mm							
312300.00X.76	D 845, H 88	830	10600	103		17,1	DALI
312300.00X.730	D 845, H 88	830	10600	103		17,1	smart+free
312300.00X.1.76	D 845, H 88	840	11000	103	107	17,2	DALI
312300.00X.1.730	D 845, H 88	840	11000	103	107	17,2	smart+free
Tunable White - 2700 K to 6500 K							
312300.00X.2.76	D 845, H 88	827-865	7200	76	95	15,8...16	DALI
312300.00X.2.730	D 845, H 88	827-865	7200	76	95	15,8...16	smart+free
Diameter D 1009 mm							
312303.00X.76	D 1009, H 88	830	12600	115	110	17,1	DALI
312303.00X.730	D 1009, H 88	830	12600	115	110	17,1	smart+free
312303.00X.1.76	D 1009, H 88	840	13100	115	114	17,3	DALI
312303.00X.1.730	D 1009, H 88	840	13100	115	114	17,3	smart+free
Tunable White - 2700 K to 6500 K							
312303.00X.2.76	D 1009, H 88	827-865	7750	85	91	15,1...15,3	DALI
312303.00X.2.730	D 1009, H 88	827-865	7750	85	91	15,1...15,3	smart+free

Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 28 / 29 / 31 W ≈

1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈

1 x 60 W T16-R (65 W Psys)

LED 49 W ≈

3 x 32 W TC-TEL (105 W Psys)

LED 61 W ≈

2 x 57 W TC-TEL (116 W Psys)

LED 64 W ≈

3 x 42 W TC-TEL (137 W Psys)

LED 66 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 76 / 85 W ≈

3 x 57 W TC-TEL (175 W Psys)

LED 84 / 103 W ≈

4 x 57 W TC-TEL (232 W Psys)

LED 115 W ≈

5 x 57 W TC-TEL (290 W Psys)





Ceiling and wall luminaires | TRIONA round - Diffuser opal

Type of protection: IP 20

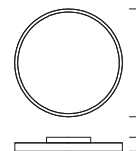
Protection class: I

Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Tool-free mounting via bayonet connection, Driver integrated.

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

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



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 29 W ≈

1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈

1 x 60 W T16-R (65 W Psys)

LED 48 / 49 / 61 W ≈

3 x 32 W TC-TEL (105 W Psys)

LED 64 / 70 / 76 W ≈

4 x 32 W TC-TEL (138 W Psys)

LED 80 / 85 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 106 W ≈

4 x 57 W TC-TEL (232 W Psys)

LED 133 / 149 W ≈

5 x 57 W TC-TEL (290 W Psys)



Ceiling and wall luminaires - Direct light emission

Price Category 21

Diameter D 461 mm

312419.00X.76	D 461, H 88	830	4650	48	97	24,4	DALI
312419.00X.730	D 461, H 88	830	4650	48	97	24,4	smart+free
312419.00X.1.76	D 461, H 88	840	4900	48	102	24,6	DALI
312419.00X.1.730	D 461, H 88	840	4900	48	102	24,6	smart+free

Tunable White - 2700 K to 6500 K

312419.00X.2.76	D 461, H 88	827-865	2450	29	84	22,1...22,3	DALI
312419.00X.2.730	D 461, H 88	827-865	2450	29	84	22,1...22,3	smart+free

Diameter D 681 mm

312383.00X.76	D 681, H 88	830	6450	70	92	22,6	DALI
312383.00X.730	D 681, H 88	830	6450	70	92	22,6	smart+free
312383.00X.1.76	D 681, H 88	840	6750	70	96	22,7	DALI
312383.00X.1.730	D 681, H 88	840	6750	70	96	22,7	smart+free

Tunable White - 2700 K to 6500 K

312383.00X.2.76	D 681, H 88	827-865	3350	40	84	20...20,2	DALI
312383.00X.2.730	D 681, H 88	827-865	3350	40	84	20...20,2	smart+free

Diameter D 845 mm

312387.00X.76	D 845, H 88	830	8000	80	100	21,7	DALI
312387.00X.730	D 845, H 88	830	8000	80	100	21,7	smart+free
312387.00X.1.76	D 845, H 88	840	8300	80	104	21,8	DALI
312387.00X.1.730	D 845, H 88	840	8300	80	104	21,8	smart+free

Tunable White - 2700 K to 6500 K

312387.00X.2.76	D 845, H 88	827-865	4800	49	98	19,6...19,8	DALI
312387.00X.2.730	D 845, H 88	827-865	4800	49	98	19,6...19,8	smart+free

Diameter D 1009 mm

312391.00X.76	D 1009, H 88	830	11200	106	106	21,6	DALI
312391.00X.730	D 1009, H 88	830	11200	106	106	21,6	smart+free
312391.00X.1.76	D 1009, H 88	840	11700	106	110	21,7	DALI
312391.00X.1.730	D 1009, H 88	840	11700	106	110	21,7	smart+free

Tunable White - 2700 K to 6500 K

312391.00X.2.76	D 1009, H 88	827-865	5700	61	93	19...19,1	DALI
312391.00X.2.730	D 1009, H 88	827-865	5700	61	93	19...19,1	smart+free



Ceiling and wall luminaires - Direct 70%, indirect 30% light emission

Price Category 21

Diameter D 461 mm

312420.00X.76	D 461, H 88	830	5850	64	91	23,3	DALI
312420.00X.730	D 461, H 88	830	5850	64	91	23,3	smart+free
312420.00X.1.76	D 461, H 88	840	6050	64	95	23,4	DALI
312420.00X.1.730	D 461, H 88	840	6050	64	95	23,4	smart+free

Tunable White - 2700 K to 6500 K

312420.00X.2.76	D 461, H 88	827-865	3050	38	80	20,8...21	DALI
312420.00X.2.730	D 461, H 88	827-865	3050	38	80	20,8...21	smart+free

Diameter D 681 mm

312384.00X.76	D 681, H 88	830	9300	106	88	20,7	DALI
312384.00X.730	D 681, H 88	830	9300	106	88	20,7	smart+free
312384.00X.1.76	D 681, H 88	840	9650	106	91	20,8	DALI
312384.00X.1.730	D 681, H 88	840	9650	106	91	20,8	smart+free

Tunable White - 2700 K to 6500 K

312384.00X.2.76	D 681, H 88	827-865	4600	61	75	18...18,2	DALI
312384.00X.2.730	D 681, H 88	827-865	4600	61	75	18...18,2	smart+free

Diameter D 845 mm

312388.00X.76	D 845, H 88	830	12400	133	93	19,8	DALI
312388.00X.730	D 845, H 88	830	12400	133	93	19,8	smart+free
312388.00X.1.76	D 845, H 88	840	12900	133	97	20	DALI
312388.00X.1.730	D 845, H 88	840	12900	133	97	20	smart+free

Tunable White - 2700 K to 6500 K

312388.00X.2.76	D 845, H 88	827-865	6800	76	89	17,8...17,9	DALI
312388.00X.2.730	D 845, H 88	827-865	6800	76	89	17,8...17,9	smart+free

Diameter D 1009 mm

312392.00X.76	D 1009, H 88	830	15300	149	103	19,8	DALI
312392.00X.730	D 1009, H 88	830	15300	149	103	19,8	smart+free
312392.00X.1.76	D 1009, H 88	840	15900	149	107	20	DALI
312392.00X.1.730	D 1009, H 88	840	15900	149	107	20	smart+free

Tunable White - 2700 K to 6500 K

312392.00X.2.76	D 1009, H 88	827-865	7400	85	87	16,8...17	DALI
312392.00X.2.730	D 1009, H 88	827-865	7400	85	87	16,8...17	smart+free

Light colour 827 on request.



Ceiling and wall luminaires | TRIONA round - Diffuser FerroMurano glass

Type of protection: IP 20

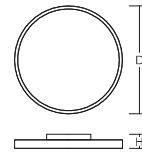
Protection class: I

Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Tool-free mounting via bayonet connection, Driver integrated.

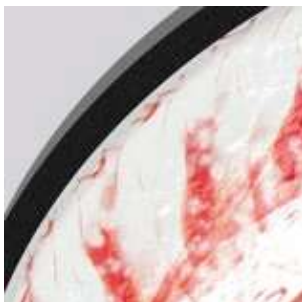
Available colours (X): 2 = white, 31 = anthracite, 4 = silver

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires - Direct 70%, indirect 30% light emission						Price Category 21
Diffuser: FerroMurano glass, red						
Diameter D 461 mm						
312411.00X.76	D 461, H 88	830	2600	38	68	DALI
312411.00X.730	D 461, H 88	830	2600	38	68	smart+free
312411.00X.1.76	D 461, H 88	840	2700	38	71	DALI
312411.00X.1.730	D 461, H 88	840	2700	38	71	smart+free
Diameter D 681 mm						
312291.00X.76	D 681, H 88	830	4550	64	71	DALI
312291.00X.730	D 681, H 88	830	4550	64	71	smart+free
312291.00X.1.76	D 681, H 88	840	4700	64	73	DALI
312291.00X.1.730	D 681, H 88	840	4700	64	73	smart+free
Diffuser: FerroMurano glass, blue						
Diameter D 461 mm						
312412.00X.76	D 461, H 88	830	2950	38	78	DALI
312412.00X.730	D 461, H 88	830	2950	38	78	smart+free
312412.00X.1.76	D 461, H 88	840	3150	38	83	DALI
312412.00X.1.730	D 461, H 88	840	3150	38	83	smart+free
Diameter D 681 mm						
312292.00X.76	D 681, H 88	830	5450	64	85	DALI
312292.00X.730	D 681, H 88	830	5450	64	85	smart+free
312292.00X.1.76	D 681, H 88	840	5650	64	88	DALI
312292.00X.1.730	D 681, H 88	840	5650	64	88	smart+free
Diffuser: FerroMurano glass, white						
Diameter D 461 mm						
312410.00X.76	D 461, H 88	830	3350	38	88	DALI
312410.00X.730	D 461, H 88	830	3350	38	88	smart+free
312410.00X.1.76	D 461, H 88	840	3500	38	92	DALI
312410.00X.1.730	D 461, H 88	840	3500	38	92	smart+free
Diameter D 681 mm						
312290.00X.76	D 681, H 88	830	6150	64	96	DALI
312290.00X.730	D 681, H 88	830	6150	64	96	smart+free
312290.00X.1.76	D 681, H 88	840	6350	64	99	DALI
312290.00X.1.730	D 681, H 88	840	6350	64	99	smart+free

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





Ceiling and wall luminaires | TRIONA square - Diffuser microprismatic

Type of protection: IP 20

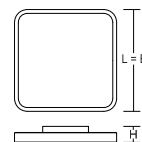
Protection class: I

Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

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

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



Applies to
versions
with .76

Comparison

LED vs. conventional lamps

LED 28 W ≈

3 x 26 W TC-TEL (85 W Psys)

LED 41 W ≈

4 x 26 W TC-TEL (112 W Psys)

LED 51 W ≈

3 x 42 W TC-TEL (137 W Psys)

LED 64 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 91 W ≈

4 x 57 W TC-TEL (232 W Psys)

LED 106 W ≈

5 x 57 W TC-TEL (290 W Psys)



Ceiling and wall luminaires - Direct light emission

Price Category 21

Length L 567 x Width B 567 mm

312436.00X.76	L 567, B 567, H 88	830	3600	28	129	18,9	DALI
312436.00X.730	L 567, B 567, H 88	830	3600	28	129	18,9	smart+free
312436.00X.1.76	L 567, B 567, H 88	840	3750	28	134	19	DALI
312436.00X.1.730	L 567, B 567, H 88	840	3750	28	134	19	smart+free

Length L 696 x Width B 696 mm

312440.00X.76	L 696, B 696, H 88	830	5600	41	137	18,8	DALI
312440.00X.730	L 696, B 696, H 88	830	5600	41	137	18,8	smart+free
312440.00X.1.76	L 696, B 696, H 88	840	5800	41	141	18,9	DALI
312440.00X.1.730	L 696, B 696, H 88	840	5800	41	141	18,9	smart+free

Length L 825 x Width B 825 mm

312444.00X.76	L 825, B 825, H 88	830	7250	51	142	18,8	DALI
312444.00X.730	L 825, B 825, H 88	830	7250	51	142	18,8	smart+free
312444.00X.1.76	L 825, B 825, H 88	840	7550	51	148	18,9	DALI
312444.00X.1.730	L 825, B 825, H 88	840	7550	51	148	18,9	smart+free



Ceiling and wall luminaires - Direct/indirect light emission

Price Category 21

Length L 567 x Width B 567 mm

312437.00X.76 *	L 567, B 567, H 88	830	7700	64	120	16,5	DALI
312437.00X.730 *	L 567, B 567, H 88	830	7700	64	120	16,5	smart+free
312437.00X.1.76 *	L 567, B 567, H 88	840	7900	64	123	16,6	DALI
312437.00X.1.730 *	L 567, B 567, H 88	840	7900	64	123	16,6	smart+free

Length L 696 x Width B 696 mm

312441.00X.76 *	L 696, B 696, H 88	830	11400	91	125	16,7	DALI
312441.00X.730 *	L 696, B 696, H 88	830	11400	91	125	16,7	smart+free
312441.00X.1.76 *	L 696, B 696, H 88	840	11800	91	130	16,8	DALI
312441.00X.1.730 *	L 696, B 696, H 88	840	11800	91	130	16,8	smart+free

Length L 825 x Width B 825 mm

312445.00X.76 **	L 825, B 825, H 88	830	13900	106	131	17,5	DALI
312445.00X.730 **	L 825, B 825, H 88	830	13900	106	131	17,5	smart+free
312445.00X.1.76 **	L 825, B 825, H 88	840	14400	106	136	17,6	DALI
312445.00X.1.730 **	L 825, B 825, H 88	840	14400	106	136	17,6	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.



Ceiling and wall luminaires | TRIONA square - Diffuser opal

Type of protection: IP 20

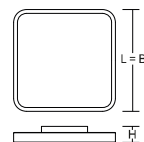
Protection class: I

Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

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

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



Applies to versions with .76

Comparison LED vs. conventional lamps
LED 51 W ≈

4 x 32 W TC-TEL (138 W Psys)

LED 76 / 79 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 109 / 113 W ≈

5 x 57 W TC-TEL (290 W Psys)

LED 146 W ≈

6 x 57 W TC-TEL (348 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							
Length L 567 x Width B 567 mm							
312653.00X.76	L 567, B 567, H 88	830	6150	51	121	23,1	DALI
312653.00X.730	L 567, B 567, H 88	830	6150	51	121	23,1	smart+free
312653.00X.1.76	L 567, B 567, H 88	840	6400	51	125	23,3	DALI
312653.00X.1.730	L 567, B 567, H 88	840	6400	51	125	23,3	smart+free
Length L 696 x Width B 696 mm							
312657.00X.76	L 696, B 696, H 88	830	9500	76	125	23,1	DALI
312657.00X.730	L 696, B 696, H 88	830	9500	76	125	23,1	smart+free
312657.00X.1.76	L 696, B 696, H 88	840	9900	76	130	23,3	DALI
312657.00X.1.730	L 696, B 696, H 88	840	9900	76	130	23,3	smart+free
Length L 825 x Width B 825 mm							
312661.00X.76	L 825, B 825, H 88	830	14000	109	128	23,2	DALI
312661.00X.730	L 825, B 825, H 88	830	14000	109	128	23,2	smart+free
312661.00X.1.76	L 825, B 825, H 88	840	14600	109	134	23,4	DALI
312661.00X.1.730	L 825, B 825, H 88	840	14600	109	134	23,4	smart+free

Ceiling and wall luminaires - Direct/indirect light emission							
Length L 567 x Width B 567 mm							
312654.00X.76 *	L 567, B 567, H 88	830	9500	79	120	20,6	DALI
312654.00X.730 *	L 567, B 567, H 88	830	9500	79	120	20,6	smart+free
312654.00X.1.76 *	L 567, B 567, H 88	840	9850	79	125	20,7	DALI
312654.00X.1.730 *	L 567, B 567, H 88	840	9850	79	125	20,7	smart+free
Length L 696 x Width B 696 mm							
312658.00X.76 **	L 696, B 696, H 88	830	13900	113	123	20,8	DALI
312658.00X.730 **	L 696, B 696, H 88	830	13900	113	123	20,8	smart+free
312658.00X.1.76 **	L 696, B 696, H 88	840	14500	113	128	21	DALI
312658.00X.1.730 **	L 696, B 696, H 88	840	14500	113	128	21	smart+free
Length L 825 x Width B 825 mm							
312662.00X.76 **	L 825, B 825, H 88	830	18300	146	125	21,6	DALI
312662.00X.730 **	L 825, B 825, H 88	830	18300	146	125	21,6	smart+free
312662.00X.1.76 **	L 825, B 825, H 88	840	19000	146	130	21,7	DALI
312662.00X.1.730 **	L 825, B 825, H 88	840	19000	146	130	21,7	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.





Ceiling and wall luminaires | TRIONA rectangle - Diffuser microprismatic

Type of protection: IP 20

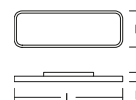
Protection class: I

Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

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

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



Applies to
versions
with .76

Comparison LED vs. conventional lamps

LED 30 W ≈

2 x 28 W T16 (61 W Psys)

LED 42 / 46 W ≈

3 x 28 W T16 (92 W Psys)

LED 68 / 77 W ≈

4 x 35 W T16 (150 W Psys)

LED 96 / 102 W ≈

3 x 54 W T16 (174 W Psys)

LED 132 W ≈

4 x 54 W T16 (230 W Psys)



Ceiling and wall luminaires - Direct light emission

Price Category 21

Length L 1040 x Width B 350 mm

312707.00X.76	L 1040, B 350, H 88	830	3950	30	132	18,6	DALI
312707.00X.730	L 1040, B 350, H 88	830	3950	30	132	18,6	smart+free
312707.00X.1.76	L 1040, B 350, H 88	840	4100	30	137	18,8	DALI
312707.00X.1.730	L 1040, B 350, H 88	840	4100	30	137	18,8	smart+free

Length L 1300 x Width B 350 mm

312711.00X.76	L 1300, B 350, H 88	830	5250	42	125	18,8	DALI
312711.00X.730	L 1300, B 350, H 88	830	5250	42	125	18,8	smart+free
312711.00X.1.76	L 1300, B 350, H 88	840	5450	42	130	18,9	DALI
312711.00X.1.730	L 1300, B 350, H 88	840	5450	42	130	18,9	smart+free

Length L 1300 x Width B 600 mm

312719.00X.76	L 1300, B 600, H 88	830	9350	68	138	18,8	DALI
312719.00X.730	L 1300, B 600, H 88	830	9350	68	138	18,8	smart+free
312719.00X.1.76	L 1300, B 600, H 88	840	9700	68	143	18,9	DALI
312719.00X.1.730	L 1300, B 600, H 88	840	9700	68	143	18,9	smart+free

Length L 1560 x Width B 350 mm

312715.00X.76	L 1560, B 350, H 88	830	6250	46	136	18,7	DALI
312715.00X.730	L 1560, B 350, H 88	830	6250	46	136	18,7	smart+free
312715.00X.1.76	L 1560, B 350, H 88	840	6500	46	141	18,9	DALI
312715.00X.1.730	L 1560, B 350, H 88	840	6500	46	141	18,9	smart+free



Ceiling and wall luminaires - Direct/indirect light emission

Price Category 21

Length L 1040 x Width B 350 mm

312708.00X.76 *	L 1040, B 350, H 88	830	9300	77	121	16	DALI
312708.00X.730 *	L 1040, B 350, H 88	830	9300	77	121	16	smart+free
312708.00X.1.76 *	L 1040, B 350, H 88	840	9700	77	126	16,2	DALI
312708.00X.1.730 *	L 1040, B 350, H 88	840	9700	77	126	16,2	smart+free

Length L 1300 x Width B 350 mm

312712.00X.76 *	L 1300, B 350, H 88	830	11600	96	121	16	DALI
312712.00X.730 *	L 1300, B 350, H 88	830	11600	96	121	16	smart+free
312712.00X.1.76 *	L 1300, B 350, H 88	840	12100	96	126	16,2	DALI
312712.00X.1.730 *	L 1300, B 350, H 88	840	12100	96	126	16,2	smart+free

Length L 1300 x Width B 600 mm

312720.00X.76 *	L 1300, B 600, H 88	830	17000	132	129	17,2	DALI
312720.00X.730 *	L 1300, B 600, H 88	830	17000	132	129	17,2	smart+free
312720.00X.1.76 *	L 1300, B 600, H 88	840	17700	132	134	17,3	DALI
312720.00X.1.730 *	L 1300, B 600, H 88	840	17700	132	134	17,3	smart+free

Length L 1560 x Width B 350 mm

312716.00X.76 **	L 1560, B 350, H 88	830	12900	102	126	16,4	DALI
312716.00X.730 **	L 1560, B 350, H 88	830	12900	102	126	16,4	smart+free
312716.00X.1.76 **	L 1560, B 350, H 88	840	13500	102	132	16,6	DALI
312716.00X.1.730 **	L 1560, B 350, H 88	840	13500	102	132	16,6	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.



Ceiling and wall luminaires | TRIONA rectangle - Diffuser opal

Type of protection: IP 20

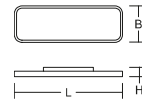
Protection class: I

Impact protection: IK03

Frame: aluminium, powder-coated. Cover: sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Driver integrated. Suitable for through-wiring.

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

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



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 52 W ≈

3 x 28 W T16 (92 W Psys)

LED 61 W ≈

3 x 39 W T16 (123 W Psys)

LED 84 / 97 W ≈

3 x 54 W T16 (174 W Psys)

LED 108 W ≈

4 x 54 W T16 (230 W Psys)

LED 153 W ≈

4 x 80 W T16 (354 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires - Direct light emission							
Length L 1040 x Width B 350 mm							
312705.00X.76	L 1040, B 350, H 88	830	6400	52	123	23	DALI
312705.00X.730	L 1040, B 350, H 88	830	6400	52	123	23	smart+free
312705.00X.1.76	L 1040, B 350, H 88	840	6650	52	128	23,1	DALI
312705.00X.1.730	L 1040, B 350, H 88	840	6650	52	128	23,1	smart+free
Length L 1300 x Width B 350 mm							
312709.00X.76	L 1300, B 350, H 88	830	7400	61	121	22,7	DALI
312709.00X.730	L 1300, B 350, H 88	830	7400	61	121	22,7	smart+free
312709.00X.1.76	L 1300, B 350, H 88	840	7700	61	126	22,8	DALI
312709.00X.1.730	L 1300, B 350, H 88	840	7700	61	126	22,8	smart+free
Length L 1300 x Width B 600 mm							
312717.00X.76	L 1300, B 600, H 88	830	13800	108	128	22,8	DALI
312717.00X.730	L 1300, B 600, H 88	830	13800	108	128	22,8	smart+free
312717.00X.1.76	L 1300, B 600, H 88	840	14400	108	133	23	DALI
312717.00X.1.730	L 1300, B 600, H 88	840	14400	108	133	23	smart+free
Length L 1560 x Width B 350 mm							
312713.00X.76	L 1560, B 350, H 88	830	13500	108	125	24,2	DALI
312713.00X.730	L 1560, B 350, H 88	830	13500	108	125	24,2	smart+free
312713.00X.1.76	L 1560, B 350, H 88	840	14100	108	131	24,3	DALI
312713.00X.1.730	L 1560, B 350, H 88	840	14100	108	131	24,3	smart+free

Ceiling and wall luminaires - Direct/indirect light emission							
Length L 1040 x Width B 350 mm							
312706.00X.76 *	L 1040, B 350, H 88	830	10100	84	120	20,6	DALI
312706.00X.730 *	L 1040, B 350, H 88	830	10100	84	120	20,6	smart+free
312706.00X.1.76 *	L 1040, B 350, H 88	840	10500	84	125	20,7	DALI
312706.00X.1.730 *	L 1040, B 350, H 88	840	10500	84	125	20,7	smart+free
Length L 1300 x Width B 350 mm							
312710.00X.76 *	L 1300, B 350, H 88	830	11700	97	121	19,9	DALI
312710.00X.730 *	L 1300, B 350, H 88	830	11700	97	121	19,9	smart+free
312710.00X.1.76 *	L 1300, B 350, H 88	840	12200	97	126	20,1	DALI
312710.00X.1.730 *	L 1300, B 350, H 88	840	12200	97	126	20,1	smart+free
Length L 1300 x Width B 600 mm							
312718.00X.76 **	L 1300, B 600, H 88	830	19200	153	125	20,7	DALI
312718.00X.730 **	L 1300, B 600, H 88	830	19200	153	125	20,7	smart+free
312718.00X.1.76 **	L 1300, B 600, H 88	840	20000	153	131	20,9	DALI
312718.00X.1.730 **	L 1300, B 600, H 88	840	20000	153	131	20,9	smart+free
Length L 1560 x Width B 350 mm							
312714.00X.76 **	L 1560, B 350, H 88	830	18700	153	122	22,1	DALI
312714.00X.730 **	L 1560, B 350, H 88	830	18700	153	122	22,1	smart+free
312714.00X.1.76 **	L 1560, B 350, H 88	840	19500	153	127	22,2	DALI
312714.00X.1.730 **	L 1560, B 350, H 88	840	19500	153	127	22,2	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.





DALI



reddot award 2017
winner

SONIS EVO

Ceiling luminaires

ARCHITECTURE

- **Advantageous:** Perfect for 1:1 replacement during renovations.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Optimum:** Alea optical system with deep beam light characteristic.
- **Powerful:** High luminous flux up to 6500 lm.

INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system.
- **Standard:** Suitable for through-wiring.



Further luminaires of this series, see:
Indoor lighting | Recessed modular luminaires



ALEA OPTICAL SYSTEM

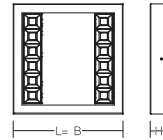
A brilliant example of the power of innovation: The Alea optical system combines square reflector elements with a linear structure. The integrated opal diffuser reduces direct glare, ensures excellent light quality and protects the highly efficient LEDs.

Ceiling luminaires | SONIS EVO

Type of protection: IP 20
Protection class: I, II = DALI
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Driver integrated.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							
Price Category 21							
901640.002.1	L 300, B 300, H 47	840	1500	12	125	18,5	on/off
901640.002.1.76	L 300, B 300, H 47	840	1500	12	125	18,5	DALI
901641.002.1	L 300, B 300, H 47	840	2000	16	125	19,5	on/off
901641.002.1.76	L 300, B 300, H 47	840	2000	16	125	19,5	DALI

Comparison LED vs. conventional lamps

LED 12 W ≈

2 x 18 W TC-D (52 W Psys)

LED 16 W ≈

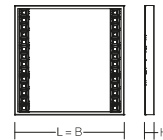
2 x 26 W TC-D (68 W Psys)

Ceiling luminaires | SONIS EVO

Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Driver integrated.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							
Price Category 21							
901689.002.1.76	L 602, B 602, H 47	840	3450	26	133	18,4	DALI
901689.002.1	L 602, B 602, H 47	840	3450	26	133	18,5	on/off

Comparison LED vs. conventional lamps

LED 26 W ≈

3 x 14 W T16 (46 W Psys)

3 x 18 W T26 (54 W Psys)

Ceiling luminaires | SONIS EVO

Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Driver integrated.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							
double row Alea optical system							
Price Category 21							
901691.002.1	L 1202, B 302, H 33	840	6500	50	130	18,6	on/off
901691.002.1.76	L 1202, B 302, H 33	840	6500	50	130	18,7	DALI
single row Alea optical system							
901690.002.1.76	L 1202, B 302, H 33	840	3450	26	133	18,5	DALI
901690.002.1	L 1202, B 302, H 33	840	3450	26	133	18,5	on/off



Comparison LED vs. conventional lamps

LED 26 W ≈

1 x 49 W T16 (63 W Psys)

1 x 58 W T26 (59 W Psys)

LED 50 W ≈

2 x 49 W T16 (106 W Psys)

2 x 58 W T26 (118 W Psys)

SIDELITE®

Everything at a glance



Ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with DIN EN 12464-1.



Tunable white versions, dynamically adjustable from 2700 K to 6500 K.



Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.



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



Easy plug-in installation (Quick-Connector).





No disposable luminaire thanks to replaceable components.

Extruded anodised aluminium profile.

Extremely shallow installation depth.

RZB SIDELITE® technology: lateral light injection for extremely homogeneous light distribution.

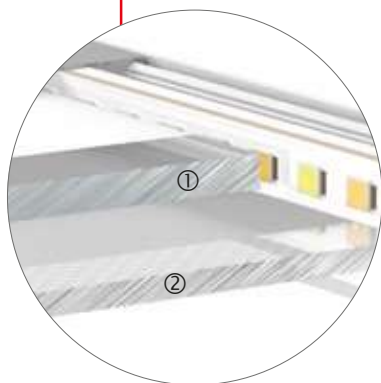
Diffusers ② and **lightguide** ① made of **non-yellowing PMMA**.

SIDELITE:

Light control using plastic diffuser with fine microstructure.

SIDELITE round:

Light control using plastic diffuser, opal/micropismatic or FerroMurano glass.





Tunable White



HCL ready



UGR ≤ 19



DALI



Casambi
smart+
free



Touch DIM



Plug & Play



IP40

SIDELITE®

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Extremely low installed height.
- **Extensive:** Pendant luminaires, ceiling and wall luminaires.
- **Long service life:** Lightguide and plastic diffuser made of non-yellowing PMMA.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Uniform:** Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



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

Ceiling and wall luminaires | SIDELITE - Diffuser microprismatic

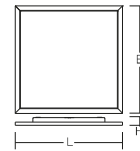
 Type of protection: **IP 40**

Protection class: I

Impact protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
312267.004	L 298, B 298, H 54	830	1950	20	98	21,1	on/off
312267.004.76	L 298, B 298, H 54	830	1950	20	98	21,1	DALI
312267.004.1	L 298, B 298, H 54	840	2150	20	108	21,3	on/off
312267.004.1.76	L 298, B 298, H 54	840	2150	20	108	21,3	DALI

Price Category 21
Comparison LED vs. conventional lamps

LED 20 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | SIDELITE - Diffuser microprismatic

 Type of protection: **IP 40**

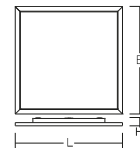
Protection class: I

Impact protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
312268.004	L 598, B 598, H 54	830	3800	33	115	18,1	on/off
312268.004.76	L 598, B 598, H 54	830	3800	33	115	18,1	DALI
312268.004.1	L 598, B 598, H 54	840	4300	33	130	18,9	on/off
312268.004.1.76	L 598, B 598, H 54	840	4300	33	130	18,9	DALI
Tunable White - 2700 K to 6500 K							
312268.004.2.730	L 598, B 598, H 54	827-865	2900	28	104	17...17,1	smart+free

Price Category 21
Comparison LED vs. conventional lamps

LED 28 W ≈
4 x 14 W T16 (68 W Psys)
3 x 24 W T16 (75 W Psys)

LED 33 W ≈
4 x 24 W T16 (98 W Psys)

Ceiling and wall luminaires | SIDELITE - Diffuser microprismatic

 Type of protection: **IP 40**

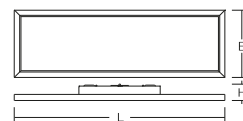
Protection class: I

Impact protection: IK03

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.

Available colour: 4 = aluminium, anodised

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
312269.004	L 1198, B 298, H 54	830	3950	33	120	18,2	on/off
312269.004.76	L 1198, B 298, H 54	830	3950	33	120	18,2	DALI
312269.004.1	L 1198, B 298, H 54	840	4100	33	124	18,5	on/off
312269.004.1.76	L 1198, B 298, H 54	840	4100	33	124	18,5	DALI
Tunable White - 2700 K to 6500 K							
312269.004.2.730	L 1198, B 298, H 54	827-865	3350	28	120	17,6...17,6	smart+free

Price Category 21
Comparison LED vs. conventional lamps

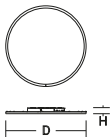
LED 28 W ≈
4 x 14 W T16 (68 W Psys)
3 x 24 W T16 (75 W Psys)


LED 33 W ≈
4 x 24 W T16 (98 W Psys)



Ceiling and wall luminaires | SIDELITE round - Diffuser microprismatic

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 plastic (PMMA). Diffuser opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). Driver integrated. Lateral light emission thanks to LED.
Available colour: aluminium, anodised
Versions with Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.





Applies to versions with .76

Comparison LED vs. conventional lamps

LED 18 / 19 W ≈
1 x 40 W T16-R (43 W Psys)

LED 23 / 24 W ≈
1 x 55 W T16-R (60 W Psys)

LED 29 / 34 W ≈
1 x 60 W T16-R (65 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency# [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
Diffuser: plastic (PMMA) microprismatic							
Diameter D 348 mm							
311997.000.76	D 348, H 50	830	1900	18	106	21,7	DALI
311997.000.730	D 348, H 50	830	1900	18	106	21,7	smart+free
311997.000.1.76	D 348, H 50	840	2000	18	111	21,8	DALI
311997.000.1.730	D 348, H 50	840	2000	18	111	21,8	smart+free
Tunable White - 2700 K to 6500 K							
311997.000.2.76	D 348, H 50	827-865	1950	19	103	21...21,2	DALI
311997.000.2.730	D 348, H 50	827-865	1950	19	103	21...21,2	smart+free
Diameter D 457 mm							
311916.004.76	D 457, H 50	830	2650	23	115	20,6	DALI
311916.004.730	D 457, H 50	830	2650	23	115	20,6	smart+free
311916.004.1.76	D 457, H 50	840	2800	23	122	20,8	DALI
311916.004.1.730	D 457, H 50	840	2800	23	122	20,8	smart+free
Tunable White - 2700 K to 6500 K							
311916.004.2.76	D 457, H 50	827-865	2350	24	98	20,1...20,2	DALI
311916.004.2.730	D 457, H 50	827-865	2350	24	98	20,1...20,2	smart+free
Diameter D 675 mm							
311849.000.76	D 675, H 50	830	3450	29	119	18,7	DALI
311849.000.730	D 675, H 50	830	3450	29	119	18,7	smart+free
311849.000.1.76	D 675, H 50	840	3650	29	126	18,9	DALI
311849.000.1.730	D 675, H 50	840	3650	29	126	18,9	smart+free
Tunable White - 2700 K to 6500 K							
311849.000.2.76	D 675, H 50	827-865	3700	34	109	18,4...18,5	DALI
311849.000.2.730	D 675, H 50	827-865	3700	34	109	18,4...18,5	smart+free



Ceiling and wall luminaires | SIDELITE round - Diffuser FerroMurano glass

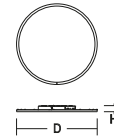
Type of protection: **IP 40**

Protection class: I

Impact protection: IK02

Base: metal, powder-coated. Frame: extruded anodised aluminium profile. Diffuser: handcrafted, coloured glass FerroMurano. Driver integrated. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

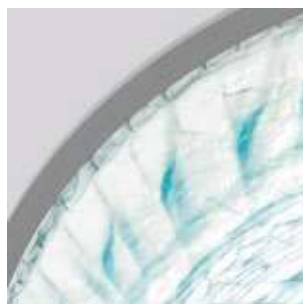


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 21
Ceiling and wall luminaires							
Glass FerroMurano red							
Diameter D 457 mm							
311912.004.76	D 457, H 50	830	1950	36	54	DALI	
311912.004.1.76	D 457, H 50	840	2150	36	60	DALI	
Diameter D 675 mm							
311845.000.76	D 675, H 50	830	3650	51	72	DALI	
311845.000.1.76	D 675, H 50	840	4000	51	78	DALI	
Glass FerroMurano blue							
Diameter D 457 mm							
311913.004.76	D 457, H 50	830	2550	36	71	DALI	
311913.004.1.76	D 457, H 50	840	2800	36	78	DALI	
Diameter D 675 mm							
311846.000.76	D 675, H 50	830	4550	51	89	DALI	
311846.000.1.76	D 675, H 50	840	4900	51	96	DALI	
Glass FerroMurano white							
Diameter D 457 mm							
311915.004.76	D 457, H 50	830	3200	36	89	DALI	
311915.004.1.76	D 457, H 50	840	3400	36	94	DALI	
Diameter D 675 mm							
311848.000.76	D 675, H 50	830	5200	51	102	DALI	
311848.000.1.76	D 675, H 50	840	5700	51	112	DALI	

Luminaire flux of each luminaire vary due to the difference in colour intensity and structure of the glasses.



Applies to versions with .76





SIDELITE® ECO

Ceiling and wall luminaires, Ceiling luminaires

ARCHITECTURE

- **Extensive:** Extremely cost efficient luminaires with advanced LED technology, available as recessed, ceiling, wall, pendant and free-standing luminaires.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.
- **Certified:** Qualified for use in the food and drink industry.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Variable:** MultiLumen - 4-step adjustable luminous flux.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50,000 h (L80/B50).

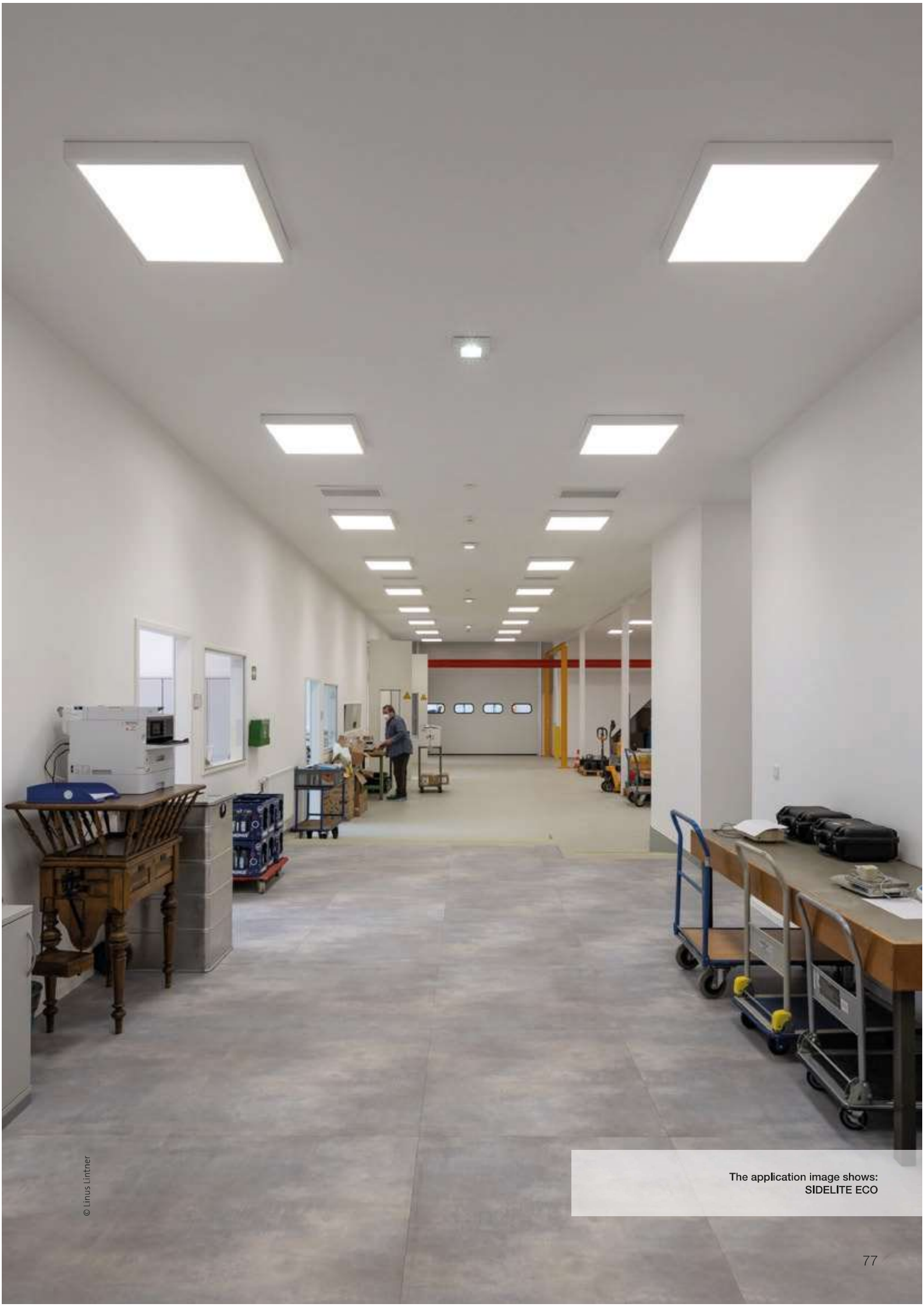
INSTALLATION

- **Easy installation:** External driver with simple plug-in locking system and extended connecting cable.
- **Standard:** DALI variants suitable for through wiring as standard.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires
Indoor lighting | Suspended modular luminaires
Indoor lighting | Free-standing luminaires





Comparison LED vs. conventional lamps

LED 19 W ≈
2 x 26 W TC-D (68 W P_{sys})

Ceiling and wall luminaires | SIDELITE ECO

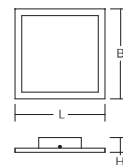
Type of protection: **IP 40**

Protection class: II

Impact protection: IK03

Luminaire frame: aluminium, powder-coated. Surface mounted housing: sheet steel, powder coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser: plastic (PMMA), opal. Lateral light emission thanks to LED. Driver integrated. DALI variants suitable for through wiring as standard.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							Price Category 21
Diffuser: plastic (PMMA), opal							
312375.002	L 295, B 295, H 46	830	2100	19	111	25	on/off
312375.002.76	L 295, B 295, H 46	830	2100	19	111	25	DALI
312375.002.1	L 295, B 295, H 46	840	2200	19	116	25,1	on/off
312375.002.1.76	L 295, B 295, H 46	840	2200	19	116	25,1	DALI



Comparison LED vs. conventional lamps

LED 29 W ≈
4 x 14 W T16 (60 W P_{sys})

LED 38 W ≈
4 x 24 W T16 (98 W P_{sys})

Ceiling luminaires | SIDELITE ECO

Type of protection: **IP 40**

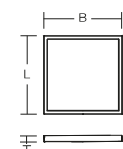
Protection class: II

Impact protection: IK03

Luminaire frame: aluminium, powder-coated. Mounting frame: sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (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. Driver integrated. DALI variants suitable for through wiring as standard.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest offered step.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							Price Category 21
Diffuser: plastic (PMMA), opal							
312376.002.790	L 602, B 602, H 47	830	3400...4300	29...38	117	21,5...22,3	on/off
312376.002.76	L 602, B 602, H 47	830	3400...4300	29...38	117	21,5...22,3	DALI
312376.002.1.790	L 602, B 602, H 47	840	3700...4600	29...38	128	21,8...22,6	on/off
312376.002.1.76	L 602, B 602, H 47	840	3700...4600	29...38	128	21,8...22,6	DALI
Diffuser: plastic (PMMA) microprismatic							
312377.002.790	L 602, B 602, H 47	830	3400...4300	29...38	117	17,9...18,7	on/off
312377.002.76	L 602, B 602, H 47	830	3400...4300	29...38	117	17,9...18,7	DALI
312377.002.1.790	L 602, B 602, H 47	840	3700...4600	29...38	128	18,2...18,9	on/off
312377.002.1.76	L 602, B 602, H 47	840	3700...4600	29...38	128	18,2...18,9	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Ceiling luminaires | SIDELITE ECO

Type of protection: **IP 40**

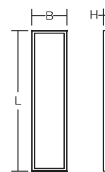
Protection class: II

Impact protection: IK03

Luminaire frame: aluminium, powder-coated. Mounting frame: sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (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. Driver integrated. DALI variants suitable for through wiring as standard.

Available colour: 2 = white

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the lowest offered step.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							
Diffuser: plastic (PMMA), opal							
312378.002.790	L 1202, B 302, H 47	830	3200...4000	29...38	110	21,1...21,8	on/off
312378.002.76	L 1202, B 302, H 47	830	3200...4000	29...38	110	21,1...21,8	DALI
312378.002.1.790	L 1202, B 302, H 47	840	3500...4400	29...38	121	21,4...22,2	on/off
312378.002.1.76	L 1202, B 302, H 47	840	3500...4400	29...38	121	21,4...22,2	DALI
Diffuser: plastic (PMMA) microprismatic							
312379.002.790	L 1202, B 302, H 47	830	3200...4000	29...38	110	18...18,8	on/off
312379.002.76	L 1202, B 302, H 47	830	3200...4000	29...38	110	18...18,8	DALI
312379.002.1.790	L 1202, B 302, H 47	840	3500...4400	29...38	121	18,3...19,1	on/off
312379.002.1.76	L 1202, B 302, H 47	840	3500...4400	29...38	121	18,3...19,1	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 29 W ≈
2 x 28 W T16 (61 W Psys)

LED 38 W ≈
3 x 28 W T16 (92 W Psys)

Ceiling and wall luminaires | SIDELITE ECO

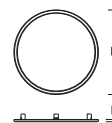
Type of protection: **IP 40**

Protection class: II

Impact protection: IK03

Frame: aluminium, powder-coated. Mounting cylinder powder-coated metal. Diffuser: plastic (PMMA), opal. Lightguide and diffuser made of non-yellowing plastic (PMMA). Lateral light emission thanks to LED. External driver (height 32 mm).

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
Diffuser: plastic (PMMA), opal							
312156.002	D 580, H 52	830	3050	39	78	21,6	on/off
312156.002.76	D 580, H 52	830	3050	39	78	21,6	DALI
312156.002.1	D 580, H 52	840	3100	39	79	21,6	on/off
312156.002.1.76	D 580, H 52	840	3100	39	79	21,6	DALI

Comparison LED vs. conventional lamps

LED 39 W ≈
1 x 60 W T16-R (65 W Psys)



SONIS A

Ceiling luminaires

ARCHITECTURE

- **Uniform:** Highly efficient LED luminaire with MIRO® aluminium parabolic mirror.
- **Complies with regulations:** Ideal for school blackboards illumination in accordance with EN 12464-1.

LIGHTING DESIGN

- **Powerful:** High luminous flux of up to 5850 lm.
- **Efficient:** Luminous efficacy up to 143 lm/W.

INSTALLATION

- **Functional:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.

Ceiling luminaires | SONIS A

Type of protection: IP 20

Protection class: I

Impact protection: IK04

Housing: metal, powder-coated. Parabolic reflector for asymmetrical light distribution.

Reflector material: MIRO® polished aluminium. Driver integrated.

Ideal for school blackboards illumination in accordance with EN 12464-1.

Available colour: 2 = white

MultiColour: Colour temperature adjustable via switching element. Factory setting is 4000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency ^a [lm/W]	UGR	Lighting control
Ceiling luminaires							Price Category 21
901721.002	L 1484, B 155, H 62	830, 840	5850	41	143	28,4...28,5	on/off
901721.002.76	L 1484, B 155, H 62	830, 840	5850	41	143	28,5...28,6	DALI

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps


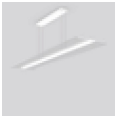
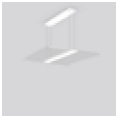
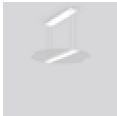











LED 41 W ≈
1 x 80 W T16 (86 W Psys)



The application image shows:
SONIS A



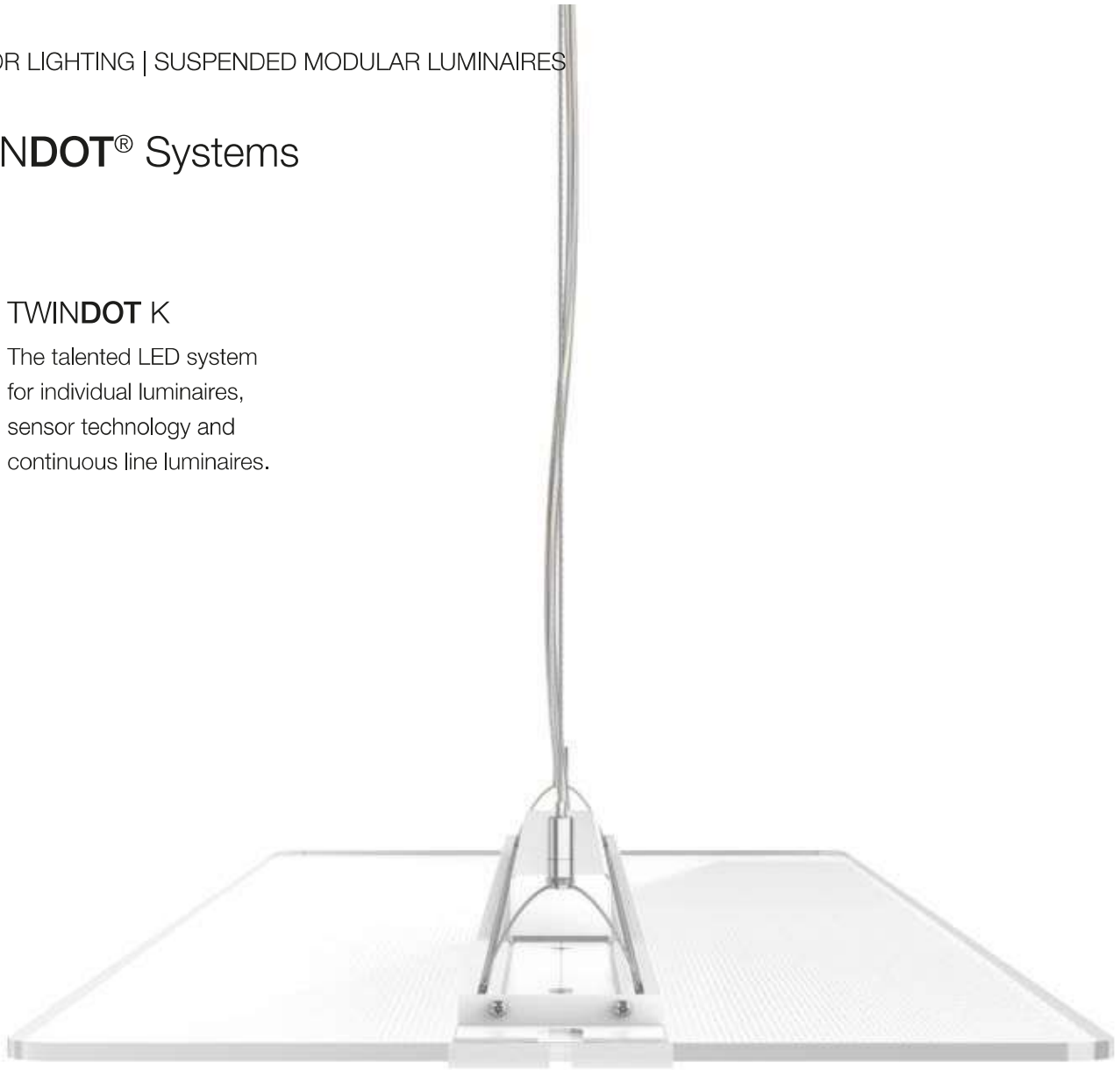
The application image shows:
TRIONA round

			TWINDOT K 84-92
		91-92	
			TWINDOT S 84-90 92-93
92	93	93	
			TRIONA round 94-99
	97-98	99	
			TRIONA square 94-96 100-101
		100-101	
			TRIONA rectangle 94-96 102-103
	102-103	102-103	
			SIDELITE 104-105
	105	105	
			SIDELITE round 104 106-107
	106	107	
			SIDELITE ECO 108-109
	109	109	

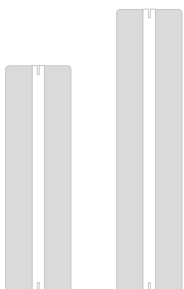
TWINDOT® Systems

TWINDOT 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.
- ✕ Luminaires are available in two lengths. Continuous lines can be created with standard luminaires to be positioned either in the beginning, in the middle or in the end of the row.
- ✕ Compact, fitted drivers facilitate a wide range of control, sensor and continuous line options.
- ✕ Casambi smart+free Bluetooth® control or daylight and presence sensor.
- ✕ Initial setting of luminaires with sensor complying with standards can be individually adjusted via app if necessary .
- ✕ Tunable White option available.
- ✕ Featuring sophisticated TWINDOT Light Technology.

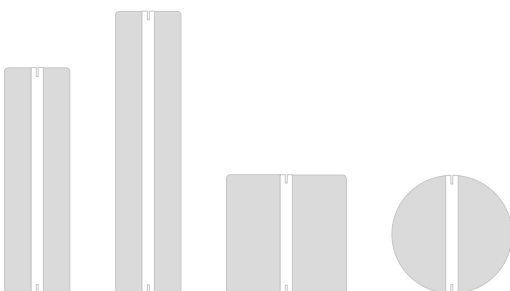


TWINDOT S

Exceptional LED individual
luminaire formats:
Extra flat and exclusive.



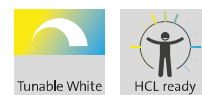
- ✦ 4 point steel cable suspension. Power supply through suspension cable, height adjustable steplessly between 500 and 1,200 mm.
- ✦ Choice of three single luminaire formats.
- ✦ Super-flat, minimalistic appearance without any unwelcome cables or drivers.
- ✦ Casambi smart+free Bluetooth® control.
- ✦ Featuring sophisticated TWINDOT Light Technology.



TWINDOT®

Everything at a glance

System concepts and design: hartmut s. engel designstudio



Tunable white versions, dynamically adjustable from 2700 K to 6500 K.
Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

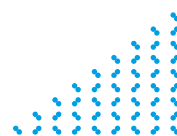


A highly polished reflection trim finishes off the cover with TWINDOT prismatic.
Light distribution is up to 55 % direct and up to 45 % indirect.

Ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1.

The TWINDOT 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.

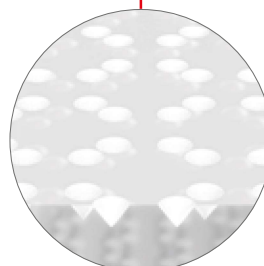
The accessory set includes all the required components. This connection is entirely reversible in the event of changing requirements.



TWINDOT LIGHT TECHNOLOGY

Transparent **light guide** measuring just 6 mm thick and made of **UV-resistant acrylic glass (PMMA)** with TWINDOT microprism structure.

The TWINDOT 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.





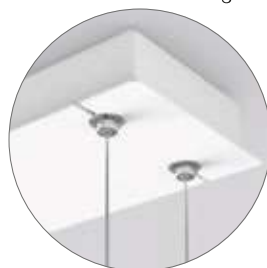
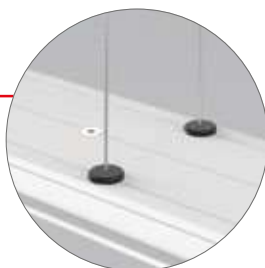
TWINDOT K

2 point steel cable suspension,
height adjustable steplessly.
Transparent power cable.



TWINDOT S

Power supply via the
suspension cables.



State of the art drivers regulate the LEDs in the TWINDOT luminaire systems throughout their entire lifetime and therefore prevent the usual reduction in luminous flux.

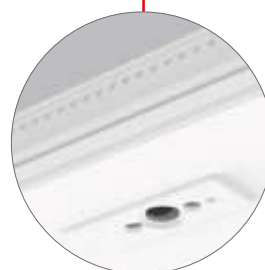
This process known as CLO (Constant Light Output) allows the optimised control of efficiency right from the start.

In addition to the basic on/off switch, the option is also available to incorporate controls based on DALI or Bluetooth® (Casambi smart+free) technology or even to integrate daylight and presence sensors.

Middle bar made of
aluminium, powder-coated.

TWINDOT K

Integrated sensor element for the
automatic adjustment of brightness
depending on the amount of daylight
and presence.



Initial setting of luminaires with
sensor complying with standards can be
individually adjusted via app if necessary.



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



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.





M1:1

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



Standard canopy



The application image shows:
decorative recessed pendant
set for TWINDOT K pendant luminaires



Tunable White



HCL ready



UGR ≤ 19



DALI



Casambi
smart+
free



CLO

Constant
Light Output



TWINDOT®

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Flat design.
- **Versatile:** 3 designs, 2 sizes.
- **Long service life:** Light guide made of non-yellowing PMMA.
- **Uniform:** The diffuser with perfectly glare-free TWINDOT prismatic for homogenous light distribution.
- **Advantageous:** Extremely uniform illumination of the ceiling thanks to above average wide distribution of indirect light.

LIGHTING DESIGN

- **Powerful:** High luminous flux up to 8100 lm.
- **Anti-glare:** Suitable for office areas and computer workstations.
- **Funktional:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Dynamic:** Variants with daylight and presence sensor.

INSTALLATION

- **Straightforward:** Continuous lines can be created with standard luminaires to be positioned either in the beginning, in the middle or in the end of the row.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Individual:** Initial setting of luminaires with sensor complying with standards can be individually adjusted via app if necessary.

Pendant luminaires | TWINDOT K

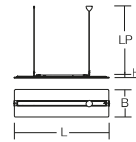
Type of protection: IP 20
Protection class: I
Impact protection: IK03
Suspension Length: 500-1200 mm

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). TWINDOT 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 for light colours 830 and 840.

Available colour: 2 = white

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Length L 1200 mm							
312262.002	L 1200, B 350, H 45	830	6500	57	114	17,5	on/off
312262.002.76	L 1200, B 350, H 45	830	6500	57	114	17,5	DALI
312262.002.730	L 1200, B 350, H 45	830	6500	57	114	17,5	smart+free
312262.002.1	L 1200, B 350, H 45	840	6500	54	120	17,5	on/off
312262.002.1.76	L 1200, B 350, H 45	840	6500	54	120	17,5	DALI
312262.002.1.730	L 1200, B 350, H 45	840	6500	54	120	17,5	smart+free
Tunable White - 2700 K to 6500 K							
312262.002.2.76	L 1200, B 350, H 45	827-865	6500	51	127	17,4...17,5	DALI
312262.002.2.730	L 1200, B 350, H 45	827-865	6500	51	128	17,4...17,5	smart+free
Length L 1500 mm							
312264.002	L 1500, B 350, H 45	830	8100	65	125	17,6	on/off
312264.002.76	L 1500, B 350, H 45	830	8100	65	125	17,6	DALI
312264.002.730	L 1500, B 350, H 45	830	8100	65	125	17,6	smart+free
312264.002.1	L 1500, B 350, H 45	840	8100	62	131	17,6	on/off
312264.002.1.76	L 1500, B 350, H 45	840	8100	62	131	17,6	DALI
312264.002.1.730	L 1500, B 350, H 45	840	8100	62	131	17,6	smart+free
Tunable White - 2700 K to 6500 K							
312264.002.2.76	L 1500, B 350, H 45	827-865	8050	63	128	17,5...17,5	DALI
312264.002.2.730	L 1500, B 350, H 45	827-865	8050	63	128	17,5...17,5	smart+free

Accessories | Decorative recessed pendant set

Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.

Decorative recessed pendant set			Price Category 11
982565.002*	L 146, B 60, H 12, 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

Comparison LED vs. conventional lamps

LED 51 / 54 / 57 W ≈
3 x 28 W T16 (92 W Psys)
2 x 49 W T16 (106 W Psys)

LED 62 / 63 / 65 W ≈
4 x 28 W T16 (122 W Psys)
3 x 39 W T16 (123 W Psys)



For further information please see page 88.

Accessories | Connection kit for multiple luminaires and light channel.

The connection kit contains all necessary components for the mechanical and electrical connection of two TWINDOT K luminaires. Not suitable for luminaires with sensors and tunable white.

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 and smart+free 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 and smart+free variant).	



TWINDOT K continuous line (only light colours 830 and 840)

Up to ten single luminaires of the variants on/off or DALI can be interconnected.

For luminaires with Casambi smart+free, up to eight single luminaires can be interconnected. This requires one Casambi smart+free luminaire and eight DALI luminaires. A three-wire power supply is sufficient.

The connections are entirely reversible.





Comparison LED vs. conventional lamps

LED 54 / 57 W ≈

3 x 28 W T16 (92 W Psys)
2 x 49 W T16 (106 W Psys)

LED 62 / 65 W ≈

4 x 28 W T16 (122 W Psys)
3 x 39 W T16 (123 W Psys)



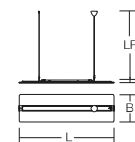
For further information
please see page 88.

Pendant luminaires | TWINDOT K - Daylight and presence sensor

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). TWINDOT 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.

Available colour: 2 = white



Integrated sensor for daylight and occupancy-dependent light control.

- Presence detection range adjustable via integrated shutters between 40° and 90°.
- Light sensor range: 20-800 lx (measured at the sensor).
- Installation height: 2-5 m.
- Detection range (at a height of 2.5 m): Ø 1.8-5 m.
- Max. detection range (at the maximum mounting height of 5 m): Ø 7 m.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Length L 1200 mm							
312262.002.19	L 1200, B 350, H 45	830	6500	57	114	17,5	Sensor
312262.002.1.19	L 1200, B 350, H 45	840	6500	54	120	17,5	Sensor
Length L 1500 mm							
312264.002.19	L 1500, B 350, H 45	830	8100	65	125	17,6	Sensor
312264.002.1.19	L 1500, B 350, H 45	840	8100	62	131	17,6	Sensor

Accessories | Decorative recessed pendant set

Mounting kit for aesthetically pleasing ceiling connection of pendant luminaires.

Decorative recessed pendant set			Price Category 11
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	

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

Available colour: 2 = white



Comparison LED vs. conventional lamps

LED 54 / 57 W ≈

3 x 28 W T16 (92 W Psys)
2 x 49 W T16 (106 W Psys)

LED 62 / 65 W ≈

4 x 28 W T16 (122 W Psys)
3 x 39 W T16 (123 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Length L 1200 mm							
312263.002	L 1200, B 350, H 20	830	6500	57	114	17,5	on/off
312263.002.76	L 1200, B 350, H 20	830	6500	57	114	17,5	DALI
312263.002.730	L 1200, B 350, H 20	830	6500	57	114	17,5	smart+free
312263.002.1	L 1200, B 350, H 20	840	6500	54	120	17,5	on/off
312263.002.1.76	L 1200, B 350, H 20	840	6500	54	120	17,5	DALI
312263.002.1.730	L 1200, B 350, H 20	840	6500	54	120	17,5	smart+free
Length L 1500 mm							
312265.002	L 1500, B 350, H 20	830	8100	65	125	17,6	on/off
312265.002.76	L 1500, B 350, H 20	830	8100	65	125	17,6	DALI
312265.002.730	L 1500, B 350, H 20	830	8100	65	125	17,6	smart+free
312265.002.1	L 1500, B 350, H 20	840	8100	62	131	17,6	on/off
312265.002.1.76	L 1500, B 350, H 20	840	8100	62	131	17,6	DALI
312265.002.1.730	L 1500, B 350, H 20	840	8100	62	131	17,6	smart+free

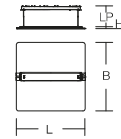
Pendant luminaires | TWINDOT S square

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). TWINDOT 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 Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Price Category 21							
312352.002	L 645, B 637, H 20	830	4800	43	112	17,5	on/off
312352.002.76	L 645, B 637, H 20	830	4800	43	112	17,5	DALI
312352.002.730	L 645, B 637, H 20	830	4800	43	112	17,5	smart+free
312352.002.1	L 645, B 637, H 20	840	4800	41	117	17,5	on/off
312352.002.1.76	L 645, B 637, H 20	840	4800	41	117	17,5	DALI
312352.002.1.730	L 645, B 637, H 20	840	4800	41	117	17,5	smart+free

Comparison LED vs. conventional lamps

LED 41 / 43 W ≈
 2 x 39 W T16 (82 W Psys)

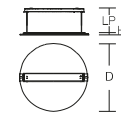
Pendant luminaires | TWINDOT S round

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). TWINDOT 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 Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Price Category 21							
312353.002	D 645, H 20	830	4500	41	110	17,4	on/off
312353.002.76	D 645, H 20	830	4500	41	110	17,4	DALI
312353.002.730	D 645, H 20	830	4500	41	110	17,4	smart+free
312353.002.1	D 645, H 20	840	4500	39	115	17,4	on/off
312353.002.1.76	D 645, H 20	840	4500	39	115	17,4	DALI
312353.002.1.730	D 645, H 20	840	4500	39	115	17,4	smart+free

Comparison LED vs. conventional lamps

LED 39 / 41 W ≈
 3 x 21 W T16 (69 W Psys)

TRIONA®

Everything at a glance

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



Very easy plug-in installation.
Easy installation:
canopy with magnetic attachment.

3 different colours are available for the very flat and seamless extruded aluminium profile.

Special colors on request.



Tunable white versions, dynamically adjustable from 2700 K to 6500 K.
Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.

3 types of installation

- recessed
- surface mounted
- pendant

3 designs

- round
- square
- rectangle

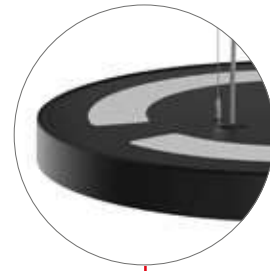


TRIONA ring
coming soon



Diffuser plastic opal/micropismatic:
ideal for office areas ($UGR \leq 19$)
and environments with
computer screens in
accordance with EN 12464-1.

Steel cable suspension,
height adjustable steplessly,
transparent power cable.



Indirect light emission through
non-yellowing plastic (PMMA)
diffuser, satin finish.

2 light emission characteristics

direct
direct/indirect



5 diffusers

Plastic (PMMA), opal
Plastic (PMMA) opal/micropismatic
Glass FerroMurano (TRIONA round)





Tunable White



HCL ready



UGR ≤ 19



DALI



Casambi
smart+
free



Touch DIM



Plug & Play



TRIONA®

Pendant luminaires

ARCHITECTURE

- **Extensive:** 3 designs, 4 sizes, 3 types of installation, 5 diffusers, 3 colours.
- **Versatile:** Built-in, surface-mounted and suspended luminaires.
- **Design-oriented:** This lighting fixture's diffuser is incorporated into an extruded aluminium profile just 50 mm thick.
- **Individual:** Plastic diffuser (PMMA), microprismatic, opal, or for TRIONA round, with optional hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Homogenous:** Particularly homogeneous, soft and glare-free light.
- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Applicable:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Advantageous:** Direct or direct/indirect light emission.

INSTALLATION

- **Easy installation:** Tool-free assembly.
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires

Indoor lighting | Surface mounted modular luminaires

Pendant luminaires | TRIONA round - Diffuser microprismatic

Type of protection: IP 20

Protection class: I

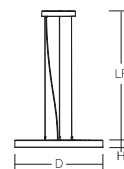
Impact protection: IK03

Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal/microprismatic diffuser (screen-compliant in accordance with EN 12464-1). Canopy made of aluminium, powder-coated (d 263, h 40). Driver integrated. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

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

Versions with Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							
Price Category 21							
Diameter D 461 mm							
312425.00X.76	D 461, H 52	830	3150	28	113	20,8	DALI
312425.00X.730	D 461, H 52	830	3150	28	113	20,8	smart+free
312425.00X.1.76	D 461, H 52	840	3250	28	116	20,9	DALI
312425.00X.1.730	D 461, H 52	840	3250	28	116	20,9	smart+free
Tunable White - 2700 K to 6500 K							
312425.00X.2.76	D 461, H 52	827-865	2700	29	93	20...20,2	DALI
312425.00X.2.730	D 461, H 52	827-865	2700	29	93	20...20,2	smart+free
Diameter D 681 mm							
312360.00X.76	D 681, H 52	830	3750	31	121	18,7	DALI
312360.00X.730	D 681, H 52	830	3750	31	121	18,7	smart+free
312360.00X.1.76	D 681, H 52	840	3900	31	126	18,8	DALI
312360.00X.1.730	D 681, H 52	840	3900	31	126	18,8	smart+free
Tunable White - 2700 K to 6500 K							
312360.00X.2.76	D 681, H 52	827-865	3550	40	89	17,9...18	DALI
312360.00X.2.730	D 681, H 52	827-865	3550	40	89	17,9...18	smart+free
Diameter D 845 mm							
312361.00X.76	D 845, H 52	830	8050	66	122	19,4	DALI
312361.00X.730	D 845, H 52	830	8050	66	122	19,4	smart+free
312361.00X.1.76	D 845, H 52	840	8350	66	127	19,5	DALI
312361.00X.1.730	D 845, H 52	840	8350	66	127	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312361.00X.2.76	D 845, H 52	827-865	5050	49	103	17,8...18	DALI
312361.00X.2.730	D 845, H 52	827-865	5050	49	103	17,8...18	smart+free
Diameter D 1009 mm							
312362.00X.76	D 1009, H 52	830	9400	84	112	18,9	DALI
312362.00X.730	D 1009, H 52	830	9400	84	112	18,9	smart+free
312362.00X.1.76	D 1009, H 52	840	9750	84	116	19	DALI
312362.00X.1.730	D 1009, H 52	840	9750	84	116	19	smart+free
Tunable White - 2700 K to 6500 K							
312362.00X.2.76	D 1009, H 52	827-865	6000	61	98	16,7...16,9	DALI
312362.00X.2.730	D 1009, H 52	827-865	6000	61	98	16,7...16,9	smart+free

Pendant luminaires - Direct 70%, indirect 30% light emission							
Price Category 21							
Diameter D 461 mm							
312426.00X.76	D 461, H 52	830	3700	38	97	19,4	DALI
312426.00X.730	D 461, H 52	830	3700	38	97	19,4	smart+free
312426.00X.1.76	D 461, H 52	840	3850	38	101	19,5	DALI
312426.00X.1.730	D 461, H 52	840	3850	38	101	19,5	smart+free
Tunable White - 2700 K to 6500 K							
312426.00X.2.76	D 461, H 52	827-865	3250	38	86	18,8...18,9	DALI
312426.00X.2.730	D 461, H 52	827-865	3250	38	86	18,8...18,9	smart+free
Diameter D 681 mm							
312298.00X.76	D 681, H 52	830	6700	64	105	17,6	DALI
312298.00X.730	D 681, H 52	830	6700	64	105	17,6	smart+free
312298.00X.1.76	D 681, H 52	840	6950	64	109	17,7	DALI
312298.00X.1.730	D 681, H 52	840	6950	64	109	17,7	smart+free
Tunable White - 2700 K to 6500 K							
312298.00X.2.76	D 681, H 52	827-865	4800	61	79	16...16,1	DALI
312298.00X.2.730	D 681, H 52	827-865	4800	61	79	16...16,1	smart+free
Diameter D 845 mm							
312301.00X.76	D 845, H 52	830	10600	103	103	17,1	DALI
312301.00X.730	D 845, H 52	830	10600	103	103	17,1	smart+free
312301.00X.1.76	D 845, H 52	840	11000	103	107	17,2	DALI
312301.00X.1.730	D 845, H 52	840	11000	103	107	17,2	smart+free
Tunable White - 2700 K to 6500 K							
312301.00X.2.76	D 845, H 52	827-865	7200	76	95	15,8...16	DALI
312301.00X.2.730	D 845, H 52	827-865	7200	76	95	15,8...16	smart+free
Diameter D 1009 mm							
312304.00X.76	D 1009, H 52	830	12600	115	110	17,1	DALI
312304.00X.730	D 1009, H 52	830	12600	115	110	17,1	smart+free
312304.00X.1.76	D 1009, H 52	840	13100	115	114	17,3	DALI
312304.00X.1.730	D 1009, H 52	840	13100	115	114	17,3	smart+free
Tunable White - 2700 K to 6500 K							
312304.00X.2.76	D 1009, H 52	827-865	7750	85	91	15,1...15,3	DALI
312304.00X.2.730	D 1009, H 52	827-865	7750	85	91	15,1...15,3	smart+free

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) | Further information on technical specifications can be found in the appendix.

For MultiLumen versions, the maximum value is specified. | The values indicated for power and luminous flux are rated values.

**Comparison
LED vs. conventional lamps****LED 28 / 29 / 31 W ≈**

1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈

1 x 60 W T16-R (65 W Psys)

LED 49 W ≈

3 x 32 W TC-TEL (105 W Psys)

LED 61 W ≈

2 x 57 W TC-TEL (116 W Psys)

LED 64 W ≈

3 x 42 W TC-TEL (137 W Psys)

LED 66 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 76 / 85 W ≈

3 x 57 W TC-TEL (175 W Psys)

LED 84 / 103 W ≈

4 x 57 W TC-TEL (232 W Psys)

LED 115 W ≈

5 x 57 W TC-TEL (290 W Psys)





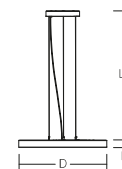
Pendant luminaires | TRIONA round - Diffuser opal

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

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Lateral light emission for direct illumination through non-yellowing plastic (PMMA) opal diffuser. Canopy: aluminium, powder-coated (d 263, h 40). Driver integrated. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

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

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



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 29 W ≈

1 x 55 W T16-R (60 W Psys)

LED 38 / 40 W ≈

1 x 60 W T16-R (65 W Psys)

LED 48 / 49 / 61 W ≈

3 x 32 W TC-TEL (105 W Psys)

LED 64 / 70 / 76 W ≈

4 x 32 W TC-TEL (138 W Psys)

LED 80 / 85 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 106 W ≈

4 x 57 W TC-TEL (232 W Psys)

LED 133 / 149 W ≈

5 x 57 W TC-TEL (290 W Psys)



Pendant luminaires - Direct light emission

Price Category 21

Diameter D 461 mm

312421.00X.76	D 461, H 52	830	4650	48	97	24,4	DALI
312421.00X.730	D 461, H 52	830	4650	48	97	24,4	smart+free
312421.00X.1.76	D 461, H 52	840	4900	48	102	24,6	DALI
312421.00X.1.730	D 461, H 52	840	4900	48	102	24,6	smart+free

Tunable White - 2700 K to 6500 K

312421.00X.2.76	D 461, H 52	827-865	2450	29	84	22,1...22,3	DALI
312421.00X.2.730	D 461, H 52	827-865	2450	29	84	22,1...22,3	smart+free

Diameter D 681 mm

312385.00X.76	D 681, H 52	830	6450	70	92	22,6	DALI
312385.00X.730	D 681, H 52	830	6450	70	92	22,6	smart+free
312385.00X.1.76	D 681, H 52	840	6750	70	96	22,7	DALI
312385.00X.1.730	D 681, H 52	840	6750	70	96	22,7	smart+free

Tunable White - 2700 K to 6500 K

312385.00X.2.76	D 681, H 52	827-865	3350	40	84	20...20,2	DALI
312385.00X.2.730	D 681, H 52	827-865	3350	40	84	20...20,2	smart+free

Diameter D 845 mm

312389.00X.76	D 845, H 52	830	8000	80	100	21,7	DALI
312389.00X.730	D 845, H 52	830	8000	80	100	21,7	smart+free
312389.00X.1.76	D 845, H 52	840	8300	80	104	21,8	DALI
312389.00X.1.730	D 845, H 52	840	8300	80	104	21,8	smart+free

Tunable White - 2700 K to 6500 K

312389.00X.2.76	D 845, H 52	827-865	4800	49	98	19,6...19,8	DALI
312389.00X.2.730	D 845, H 52	827-865	4800	49	98	19,6...19,8	smart+free

Diameter D 1009 mm

312393.00X.76	D 1009, H 52	830	11200	106	106	21,6	DALI
312393.00X.730	D 1009, H 52	830	11200	106	106	21,6	smart+free
312393.00X.1.76	D 1009, H 52	840	11700	106	110	21,7	DALI
312393.00X.1.730	D 1009, H 52	840	11700	106	110	21,7	smart+free

Tunable White - 2700 K to 6500 K

312393.00X.2.76	D 1009, H 52	827-865	5700	61	93	19...19,1	DALI
312393.00X.2.730	D 1009, H 52	827-865	5700	61	93	19...19,1	smart+free



Pendant luminaires - Direct 70%, indirect 30% light emission

Price Category 21

Diameter D 461 mm

312422.00X.76	D 461, H 52	830	5850	64	91	23,3	DALI
312422.00X.730	D 461, H 52	830	5850	64	91	23,3	smart+free
312422.00X.1.76	D 461, H 52	840	6050	64	95	23,4	DALI
312422.00X.1.730	D 461, H 52	840	6050	64	95	23,4	smart+free

Tunable White - 2700 K to 6500 K

312422.00X.2.76	D 461, H 52	827-865	3050	38	80	20,8...21	DALI
312422.00X.2.730	D 461, H 52	827-865	3050	38	80	20,8...21	smart+free

Diameter D 681 mm

312386.00X.76	D 681, H 52	830	9300	106	88	20,7	DALI
312386.00X.730	D 681, H 52	830	9300	106	88	20,7	smart+free
312386.00X.1.76	D 681, H 52	840	9650	106	91	20,8	DALI
312386.00X.1.730	D 681, H 52	840	9650	106	91	20,8	smart+free

Tunable White - 2700 K to 6500 K

312386.00X.2.76	D 681, H 52	827-865	4600	61	75	18...18,2	DALI
312386.00X.2.730	D 681, H 52	827-865	4600	61	75	18...18,2	smart+free

Diameter D 845 mm

312390.00X.76	D 845, H 52	830	12400	133	93	19,8	DALI
312390.00X.730	D 845, H 52	830	12400	133	93	19,8	smart+free
312390.00X.1.76	D 845, H 52	840	12900	133	97	20	DALI
312390.00X.1.730	D 845, H 52	840	12900	133	97	20	smart+free

Tunable White - 2700 K to 6500 K

312390.00X.2.76	D 845, H 52	827-865	6800	76	89	17,8...17,9	DALI
312390.00X.2.730	D 845, H 52	827-865	6800	76	89	17,8...17,9	smart+free

Diameter D 1009 mm

312394.00X.76	D 1009, H 52	830	15300	149	103	19,8	DALI
312394.00X.730	D 1009, H 52	830	15300	149	103	19,8	smart+free
312394.00X.1.76	D 1009, H 52	840	15900	149	107	20	DALI
312394.00X.1.730	D 1009, H 52	840	15900	149	107	20	smart+free

Tunable White - 2700 K to 6500 K

312394.00X.2.76	D 1009, H 52	827-865	7400	85	87	16,8...17	DALI
312394.00X.2.730	D 1009, H 52	827-865	7400	85	87	16,8...17	smart+free

Light colour 827 on request.



Pendant luminaires | TRIONA round - Diffuser FerroMurano glass

Type of protection: IP 20

Protection class: I

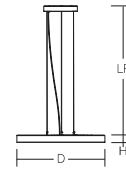
Impact protection: IK03

Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Lateral light emission for direct illumination through handmade FerroMurano coloured glass. Canopy: aluminium, powder-coated (d 263, h 40). Driver integrated. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

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

Versions with Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 21
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Pendant luminaires - Direct light emission
Glass FerroMurano red
Diameter D 461 mm

312414.00X.76	D 461, H 52	830	2000	28	71	DALI
312414.00X.730	D 461, H 52	830	2000	28	71	smart+free
312414.00X.1.76	D 461, H 52	840	2050	28	73	DALI
312414.00X.1.730	D 461, H 52	840	2050	28	73	smart+free

Diameter D 681 mm

312358.00X.76	D 681, H 52	830	4100	54	76	DALI
312358.00X.730	D 681, H 52	830	4100	54	76	smart+free
312358.00X.1.76	D 681, H 52	840	4250	54	79	DALI
312358.00X.1.730	D 681, H 52	840	4250	54	79	smart+free

Glass FerroMurano blue
Diameter D 461 mm

312415.00X.76	D 461, H 52	830	2300	28	82	DALI
312415.00X.730	D 461, H 52	830	2300	28	82	smart+free
312415.00X.1.76	D 461, H 52	840	2400	28	86	DALI
312415.00X.1.730	D 461, H 52	840	2400	28	86	smart+free

Diameter D 681 mm

312359.00X.76	D 681, H 52	830	5000	54	93	DALI
312359.00X.730	D 681, H 52	830	5000	54	93	smart+free
312359.00X.1.76	D 681, H 52	840	5200	54	96	DALI
312359.00X.1.730	D 681, H 52	840	5200	54	96	smart+free

Glass FerroMurano white
Diameter D 461 mm

312413.00X.76	D 461, H 52	830	2550	28	91	DALI
312413.00X.730	D 461, H 52	830	2550	28	91	smart+free
312413.00X.1.76	D 461, H 52	840	2650	28	95	DALI
312413.00X.1.730	D 461, H 52	840	2650	28	95	smart+free

Diameter D 681 mm

312357.00X.76	D 681, H 52	830	5650	54	105	DALI
312357.00X.730	D 681, H 52	830	5650	54	105	smart+free
312357.00X.1.76	D 681, H 52	840	5950	54	110	DALI
312357.00X.1.730	D 681, H 52	840	5950	54	110	smart+free

Pendant luminaires - Direct 70%, indirect 30% light emission
Glass FerroMurano red
Diameter D 461 mm

312417.00X.76	D 461, H 52	830	2600	38	68	DALI
312417.00X.730	D 461, H 52	830	2600	38	68	smart+free
312417.00X.1.76	D 461, H 52	840	2700	38	71	DALI
312417.00X.1.730	D 461, H 52	840	2700	38	71	smart+free

Diameter D 681 mm

312294.00X.76	D 681, H 52	830	4550	64	71	DALI
312294.00X.730	D 681, H 52	830	4550	64	71	smart+free
312294.00X.1.76	D 681, H 52	840	4700	64	73	DALI
312294.00X.1.730	D 681, H 52	840	4700	64	73	smart+free

Glass FerroMurano blue
Diameter D 461 mm

312418.00X.76	D 461, H 52	830	2950	38	78	DALI
312418.00X.730	D 461, H 52	830	2950	38	78	smart+free
312418.00X.1.76	D 461, H 52	840	3150	38	83	DALI
312418.00X.1.730	D 461, H 52	840	3150	38	83	smart+free

Diameter D 681 mm

312295.00X.76	D 681, H 52	830	5450	64	85	DALI
312295.00X.730	D 681, H 52	830	5450	64	85	smart+free
312295.00X.1.76	D 681, H 52	840	5650	64	88	DALI
312295.00X.1.730	D 681, H 52	840	5650	64	88	smart+free

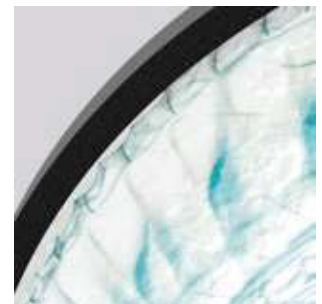
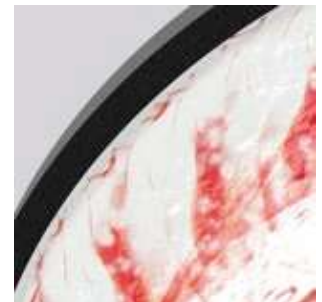
Glass FerroMurano white
Diameter D 461 mm

312416.00X.76	D 461, H 52	830	3350	38	88	DALI
312416.00X.730	D 461, H 52	830	3350	38	88	smart+free
312416.00X.1.76	D 461, H 52	840	3500	38	92	DALI
312416.00X.1.730	D 461, H 52	840	3500	38	92	smart+free

Diameter D 681 mm

312293.00X.76	D 681, H 52	830	6200	64	97	DALI
312293.00X.730	D 681, H 52	830	6200	64	97	smart+free
312293.00X.1.76	D 681, H 52	840	6350	64	99	DALI
312293.00X.1.730	D 681, H 52	840	6350	64	99	smart+free

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





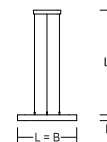
Pendant luminaires | TRIONA square - Diffuser microprismatic

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

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 259, b 259, h 38,5). Driver integrated. 4-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

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

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



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 28 W ≈

3 x 26 W TC-TEL (85 W Psys)

LED 41 W ≈

4 x 26 W TC-TEL (112 W Psys)

LED 51 W ≈

3 x 42 W TC-TEL (137 W Psys)

LED 64 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 91 W ≈

4 x 57 W TC-TEL (232 W Psys)

LED 106 W ≈

5 x 57 W TC-TEL (290 W Psys)



Pendant luminaires - Direct light emission

Price Category 21

Length L 567 x Width B 567 mm

312438.00X.76	L 567, B 567, H 52	830	3600	28	129	18,9	DALI
312438.00X.730	L 567, B 567, H 52	830	3600	28	129	18,9	smart+free
312438.00X.1.76	L 567, B 567, H 52	840	3750	28	134	19	DALI
312438.00X.1.730	L 567, B 567, H 52	840	3750	28	134	19	smart+free

Length L 696 x Width B 696 mm

312442.00X.76	L 696, B 696, H 52	830	5600	41	137	18,8	DALI
312442.00X.730	L 696, B 696, H 52	830	5600	41	137	18,8	smart+free
312442.00X.1.76	L 696, B 696, H 52	840	5800	41	141	18,9	DALI
312442.00X.1.730	L 696, B 696, H 52	840	5800	41	141	18,9	smart+free

Length L 825 x Width B 825 mm

312446.00X.76	L 825, B 825, H 52	830	7250	51	142	18,8	DALI
312446.00X.730	L 825, B 825, H 52	830	7250	51	142	18,8	smart+free
312446.00X.1.76	L 825, B 825, H 52	840	7550	51	148	18,9	DALI
312446.00X.1.730	L 825, B 825, H 52	840	7550	51	148	18,9	smart+free



Pendant luminaires - Direct/indirect light emission

Price Category 21

Length L 567 x Width B 567 mm

312439.00X.76 *	L 567, B 567, H 52	830	7700	64	120	16,5	DALI
312439.00X.730 *	L 567, B 567, H 52	830	7700	64	120	16,5	smart+free
312439.00X.1.76 *	L 567, B 567, H 52	840	7900	64	123	16,6	DALI
312439.00X.1.730 *	L 567, B 567, H 52	840	7900	64	123	16,6	smart+free

Length L 696 x Width B 696 mm

312443.00X.76 **	L 696, B 696, H 52	830	11400	91	125	16,7	DALI
312443.00X.730 **	L 696, B 696, H 52	830	11400	91	125	16,7	smart+free
312443.00X.1.76 **	L 696, B 696, H 52	840	11800	91	130	16,8	DALI
312443.00X.1.730 **	L 696, B 696, H 52	840	11800	91	130	16,8	smart+free

Length L 825 x Width B 825 mm

312447.00X.76 **	L 825, B 825, H 52	830	13900	106	131	17,5	DALI
312447.00X.730 **	L 825, B 825, H 52	830	13900	106	131	17,5	smart+free
312447.00X.1.76 **	L 825, B 825, H 52	840	14400	106	136	17,6	DALI
312447.00X.1.730 **	L 825, B 825, H 52	840	14400	106	136	17,6	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.



Pendant luminaires | TRIONA square - Diffuser opal

Type of protection: IP 20

Protection class: I

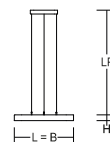
Impact protection: IK03

Suspension Length: 500-1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 259, b 259, h 38.5). Driver integrated. 4-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

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

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							
Length L 567 x Width B 567 mm							
312655.00X.76	L 567, B 567, H 52	830	6150	51	121	23,1	DALI
312655.00X.730	L 567, B 567, H 52	830	6150	51	121	23,1	smart+free
312655.00X.1.76	L 567, B 567, H 52	840	6400	51	125	23,3	DALI
312655.00X.1.730	L 567, B 567, H 52	840	6400	51	125	23,3	smart+free
Length L 696 x Width B 696 mm							
312659.00X.76	L 696, B 696, H 52	830	9500	76	125	23,1	DALI
312659.00X.730	L 696, B 696, H 52	830	9500	76	125	23,1	smart+free
312659.00X.1.76	L 696, B 696, H 52	840	9900	76	130	23,3	DALI
312659.00X.1.730	L 696, B 696, H 52	840	9900	76	130	23,3	smart+free
Length L 825 x Width B 825 mm							
312663.00X.76	L 825, B 825, H 52	830	14000	109	128	23,2	DALI
312663.00X.730	L 825, B 825, H 52	830	14000	109	128	23,2	smart+free
312663.00X.1.76	L 825, B 825, H 52	840	14600	109	134	23,4	DALI
312663.00X.1.730	L 825, B 825, H 52	840	14600	109	134	23,4	smart+free



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 51 W ≈

4 x 32 W TC-TEL (138 W Psys)

LED 76 / 79 W ≈

4 x 42 W TC-TEL (180 W Psys)

LED 109 / 113 W ≈

5 x 57 W TC-TEL (290 W Psys)

LED 146 W ≈

6 x 57 W TC-TEL (348 W Psys)

Pendant luminaires - Direct/indirect light emission							
Length L 567 x Width B 567 mm							
312656.00X.76 *	L 567, B 567, H 52	830	9500	79	120	20,6	DALI
312656.00X.730 *	L 567, B 567, H 52	830	9500	79	120	20,6	smart+free
312656.00X.1.76 *	L 567, B 567, H 52	840	9850	79	125	20,7	DALI
312656.00X.1.730 *	L 567, B 567, H 52	840	9850	79	125	20,7	smart+free
Length L 696 x Width B 696 mm							
312660.00X.76 **	L 696, B 696, H 52	830	13900	113	123	20,8	DALI
312660.00X.730 **	L 696, B 696, H 52	830	13900	113	123	20,8	smart+free
312660.00X.1.76 **	L 696, B 696, H 52	840	14500	113	128	21	DALI
312660.00X.1.730 **	L 696, B 696, H 52	840	14500	113	128	21	smart+free
Length L 825 x Width B 825 mm							
312664.00X.76 **	L 825, B 825, H 52	830	18300	146	125	21,6	DALI
312664.00X.730 **	L 825, B 825, H 52	830	18300	146	125	21,6	smart+free
312664.00X.1.76 **	L 825, B 825, H 52	840	19000	146	130	21,7	DALI
312664.00X.1.730 **	L 825, B 825, H 52	840	19000	146	130	21,7	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.





Pendant luminaires | TRIONA rectangle - Diffuser microprismatic

Type of protection: IP 20

Protection class: I

Impact protection: IK03

Suspension Length: 1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal/microprismatic (suitable for use in environments with computer screens in accordance with EN 12464-1). LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 122, b 122, h 38,5). Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

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

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



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 30 W ≈

2 x 28 W T16 (61 W Psys)

LED 42 / 46 W ≈

3 x 28 W T16 (92 W Psys)

LED 68 / 77 W ≈

4 x 35 W T16 (150 W Psys)

LED 96 / 102 W ≈

3 x 54 W T16 (174 W Psys)

LED 132 W ≈

4 x 54 W T16 (230 W Psys)



Pendant luminaires - Direct light emission

Price Category 21

Length L 1040 x Width B 350 mm

312723.00X.76	L 1040, B 350, H 52	830	3950	30	132	18,6	DALI
312723.00X.730	L 1040, B 350, H 52	830	3950	30	132	18,6	smart+free
312723.00X.1.76	L 1040, B 350, H 52	840	4100	30	137	18,8	DALI
312723.00X.1.730	L 1040, B 350, H 52	840	4100	30	137	18,8	smart+free

Length L 1300 x Width B 350 mm

312727.00X.76	L 1300, B 350, H 52	830	5250	42	125	18,8	DALI
312727.00X.730	L 1300, B 350, H 52	830	5250	42	125	18,8	smart+free
312727.00X.1.76	L 1300, B 350, H 52	840	5450	42	130	18,9	DALI
312727.00X.1.730	L 1300, B 350, H 52	840	5450	42	130	18,9	smart+free

Length L 1300 x Width B 600 mm

312735.00X.76	L 1300, B 600, H 52	830	9350	68	138	18,8	DALI
312735.00X.730	L 1300, B 600, H 52	830	9350	68	138	18,8	smart+free
312735.00X.1.76	L 1300, B 600, H 52	840	9700	68	143	18,9	DALI
312735.00X.1.730	L 1300, B 600, H 52	840	9700	68	143	18,9	smart+free

Length L 1560 x Width B 350 mm

312731.00X.76	L 1560, B 350, H 52	830	6250	46	136	18,7	DALI
312731.00X.730	L 1560, B 350, H 52	830	6250	46	136	18,7	smart+free
312731.00X.1.76	L 1560, B 350, H 52	840	6500	46	141	18,9	DALI
312731.00X.1.730	L 1560, B 350, H 52	840	6500	46	141	18,9	smart+free



Pendant luminaires - Direct/indirect light emission

Price Category 21

Length L 1040 x Width B 350 mm

312724.00X.76 *	L 1040, B 350, H 52	830	9300	77	121	16	DALI
312724.00X.730 *	L 1040, B 350, H 52	830	9300	77	121	16	smart+free
312724.00X.1.76 *	L 1040, B 350, H 52	840	9700	77	126	16,2	DALI
312724.00X.1.730 *	L 1040, B 350, H 52	840	9700	77	126	16,2	smart+free

Length L 1300 x Width B 350 mm

312728.00X.76 *	L 1300, B 350, H 52	830	11600	96	121	16	DALI
312728.00X.730 *	L 1300, B 350, H 52	830	11600	96	121	16	smart+free
312728.00X.1.76 *	L 1300, B 350, H 52	840	12100	96	126	16,2	DALI
312728.00X.1.730 *	L 1300, B 350, H 52	840	12100	96	126	16,2	smart+free

Length L 1300 x Width B 600 mm

312736.00X.76 *	L 1300, B 600, H 52	830	17000	132	129	17,2	DALI
312736.00X.730 *	L 1300, B 600, H 52	830	17000	132	129	17,2	smart+free
312736.00X.1.76 *	L 1300, B 600, H 52	840	17700	132	134	17,3	DALI
312736.00X.1.730 *	L 1300, B 600, H 52	840	17700	132	134	17,3	smart+free

Length L 1560 x Width B 350 mm

312732.00X.76 **	L 1560, B 350, H 52	830	12900	102	126	16,4	DALI
312732.00X.730 **	L 1560, B 350, H 52	830	12900	102	126	16,4	smart+free
312732.00X.1.76 **	L 1560, B 350, H 52	840	13500	102	132	16,6	DALI
312732.00X.1.730 **	L 1560, B 350, H 52	840	13500	102	132	16,6	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.



Pendant luminaires | TRIONA rectangle - Diffuser opal

Type of protection: IP 20

Protection class: I

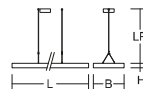
Impact protection: IK03

Suspension Length: 1200 mm

Frame made of aluminium, powder-coated. Cover made of sheet steel, powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. LED backlight technology for homogeneous illumination of the entire light-emitting surface. Canopy: aluminium, powder-coated (l 122, b 122, h 38.5). Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths are available on request.

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

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



Applies to versions with .76

**Pendant luminaires - Direct light emission****Price Category 21****Length L 1040 x Width B 350 mm**

312721.00X.76	L 1040, B 350, H 52	830	6400	52	123	23	DALI
312721.00X.730	L 1040, B 350, H 52	830	6400	52	123	23	smart+free
312721.00X.1.76	L 1040, B 350, H 52	840	6650	52	128	23,1	DALI
312721.00X.1.730	L 1040, B 350, H 52	840	6650	52	128	23,1	smart+free

Length L 1300 x Width B 350 mm

312725.00X.76	L 1300, B 350, H 52	830	7400	61	121	22,7	DALI
312725.00X.730	L 1300, B 350, H 52	830	7400	61	121	22,7	smart+free
312725.00X.1.76	L 1300, B 350, H 52	840	7700	61	126	22,8	DALI
312725.00X.1.730	L 1300, B 350, H 52	840	7700	61	126	22,8	smart+free

Length L 1300 x Width B 600 mm

312733.00X.76	L 1300, B 600, H 52	830	13800	108	128	22,8	DALI
312733.00X.730	L 1300, B 600, H 52	830	13800	108	128	22,8	smart+free
312733.00X.1.76	L 1300, B 600, H 52	840	14400	108	133	23	DALI
312733.00X.1.730	L 1300, B 600, H 52	840	14400	108	133	23	smart+free

Length L 1560 x Width B 350 mm

312729.00X.76	L 1560, B 350, H 52	830	13500	108	125	24,2	DALI
312729.00X.730	L 1560, B 350, H 52	830	13500	108	125	24,2	smart+free
312729.00X.1.76	L 1560, B 350, H 52	840	14100	108	131	24,3	DALI
312729.00X.1.730	L 1560, B 350, H 52	840	14100	108	131	24,3	smart+free

**Pendant luminaires - Direct/indirect light emission****Price Category 21****Length L 1040 x Width B 350 mm**

312722.00X.76 *	L 1040, B 350, H 52	830	10100	84	120	20,6	DALI
312722.00X.730 *	L 1040, B 350, H 52	830	10100	84	120	20,6	smart+free
312722.00X.1.76 *	L 1040, B 350, H 52	840	10500	84	125	20,7	DALI
312722.00X.1.730 *	L 1040, B 350, H 52	840	10500	84	125	20,7	smart+free

Length L 1300 x Width B 350 mm

312726.00X.76 *	L 1300, B 350, H 52	830	11700	97	121	19,9	DALI
312726.00X.730 *	L 1300, B 350, H 52	830	11700	97	121	19,9	smart+free
312726.00X.1.76 *	L 1300, B 350, H 52	840	12200	97	126	20,1	DALI
312726.00X.1.730 *	L 1300, B 350, H 52	840	12200	97	126	20,1	smart+free

Length L 1300 x Width B 600 mm

312734.00X.76 **	L 1300, B 600, H 52	830	19200	153	125	20,7	DALI
312734.00X.730 **	L 1300, B 600, H 52	830	19200	153	125	20,7	smart+free
312734.00X.1.76 **	L 1300, B 600, H 52	840	20000	153	131	20,9	DALI
312734.00X.1.730 **	L 1300, B 600, H 52	840	20000	153	131	20,9	smart+free

Length L 1560 x Width B 350 mm

312730.00X.76 **	L 1560, B 350, H 52	830	18700	153	122	22,1	DALI
312730.00X.730 **	L 1560, B 350, H 52	830	18700	153	122	22,1	smart+free
312730.00X.1.76 **	L 1560, B 350, H 52	840	19500	153	127	22,2	DALI
312730.00X.1.730 **	L 1560, B 350, H 52	840	19500	153	127	22,2	smart+free

* Direct 60%, indirect 40% light emission. | ** Direct 70%, indirect 30% light emission.





Tunable White



HCL ready



UGR ≤ 19



DALI



Casambi
smart+
free



Touch DIM



Plug & Play

SIDELITE®

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Extremely low installed height.
- **Extensive:** Pendant luminaires, ceiling and wall luminaires.
- **Long service life:** Lightguide and plastic diffuser made of non-yellowing PMMA.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Uniform:** Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.

INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



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

Pendant luminaires | SIDELITE

Type of protection: **IP 40**

Protection class: I

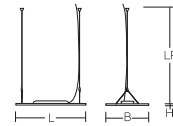
Impact protection: IK03

Suspension Length: 300-3000 mm

Frame: extruded anodised aluminium profile. Cover made of sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Price Category 21							
312270.004	L 598, B 598, H 49	830	3800	33	115	18,1	on/off
312270.004.76	L 598, B 598, H 49	830	3800	33	115	18,1	DALI
312270.004.1	L 598, B 598, H 49	840	4300	33	130	18,9	on/off
312270.004.1.76	L 598, B 598, H 49	840	4300	33	130	18,9	DALI
Tunable White - 2700 K to 6500 K							
312270.004.2.730	L 598, B 598, H 51	827-865	2900	28	104	17...17,1	smart+free

Accessories | Canopy

Canopy: metal, powder-coated, white.

Canopy							
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 Casambi smart+free.					

Comparison LED vs. conventional lamps

LED 28 W ≈

3 x 14 W T16 (46 W Psys)
2 x 24 W T16 (49 W Psys)

LED 33 W ≈

3 x 24 W T16 (75 W Psys)



Pendant luminaires | SIDELITE

Type of protection: **IP 40**

Protection class: I

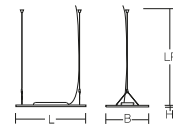
Impact protection: IK03

Suspension Length: 300-3000 mm

Frame: extruded anodised aluminium profile. Cover made of sheet steel, powder-coated. Lightguide and diffuser made of non-yellowing plastic (PMMA). Diffuser with microstructure (suitable for use in environments with computer screens in accordance with EN 12464-1). Lateral light emission thanks to LED. Driver integrated. 2-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Price Category 21							
312271.004	L 1198, B 298, H 49	830	3950	33	120	18,2	on/off
312271.004.76	L 1198, B 298, H 49	830	3950	33	120	18,2	DALI
312271.004.1	L 1198, B 298, H 49	840	4100	33	124	18,5	on/off
312271.004.1.76	L 1198, B 298, H 49	840	4100	33	124	18,5	DALI
Tunable White - 2700 K to 6500 K							
312271.004.2.730	L 1198, B 298, H 51	827-865	3350	28	120	17,6...17,6	smart+free

Accessories | Canopy

Canopy: metal, powder-coated, white.

Canopy							
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 Casambi smart+free.					

Comparison LED vs. conventional lamps

LED 28 W ≈

4 x 14 W T16 (60 W Psys)

LED 33 W ≈

3 x 24 W T16 (75 W Psys)





Comparison

LED vs. conventional lamps

LED 18 / 19 / 24 W (D 348 mm) ≈
1 x 40 W T16-R (43 W Psys)

LED 23 / 24 (D 457 mm) / 25 W ≈
1 x 55 W T16-R (60 W Psys)

LED 29 / 34 / 35 W ≈
1 x 60 W T16-R (65 W Psys)

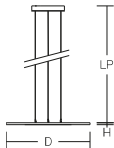
Pendant luminaires | SIDELITE round - Diffuser microprismatic

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 plastic (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. Driver integrated. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Diffuser: plastic (PMMA) opal/microprismatic							
Diameter D 348 mm, canopy Ø 221 mm, h 36 mm							
311998.000.76	D 348, H 15	830	1900	18	106	21,7	DALI
311998.000.730	D 348, H 15	830	1900	18	106	21,7	smart+free
311998.000.1.76	D 348, H 15	840	2000	18	111	21,8	DALI
311998.000.1.730	D 348, H 15	840	2000	18	111	21,8	smart+free
Tunable White - 2700 K to 6500 K							
311998.000.2.76	D 348, H 15	827-865	1700	19	89	21,1...21,1	DALI
311998.000.2.730	D 348, H 15	827-865	2050	24	87	21,4...21,7	smart+free
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm							
311911.004.76	D 457, H 15	830	2650	23	115	20,6	DALI
311911.004.730	D 457, H 15	830	2650	23	115	20,6	smart+free
311911.004.1.76	D 457, H 15	840	2800	23	122	20,8	DALI
311911.004.1.730	D 457, H 15	840	2800	23	122	20,8	smart+free
Tunable White - 2700 K to 6500 K							
311911.004.2.76	D 457, H 15	827-865	2350	24	98	20,1...20,2	DALI
311911.004.2.730	D 457, H 15	827-865	2400	25	96	20,2...20,4	smart+free
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm							
311681.000.76	D 675, H 15	830	3450	29	119	18,7	DALI
311681.000.730	D 675, H 15	830	3450	29	119	18,7	smart+free
311681.000.1.76	D 675, H 15	840	3650	29	126	18,9	DALI
311681.000.1.730	D 675, H 15	840	3650	29	126	18,9	smart+free
Tunable White - 2700 K to 6500 K							
311681.000.2.76	D 675, H 15	827-865	3700	34	109	18,4...18,5	DALI
311681.000.2.730	D 675, H 15	827-865	3800	35	109	18,4...18,6	smart+free

Light colour 827 on request.



Pendant luminaires | SIDELITE round - Diffuser FerroMurano glass

 Type of protection: **IP 40**

Protection class: I

Impact protection: IK02

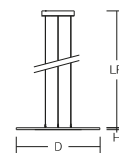
Suspension Length: 500-1200 mm

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. Driver integrated. Lateral light emission thanks to LED.

Available colour: aluminium, anodised

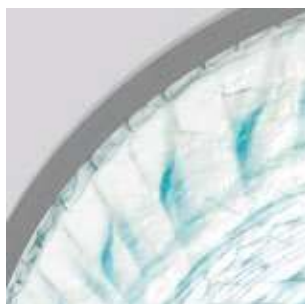
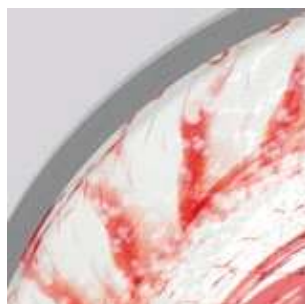


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Pendant luminaires						
Glass FerroMurano red						
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm						
311907.004.76	D 457, H 15	830	1950	36	54	DALI
311907.004.1.76	D 457, H 15	840	2150	36	60	DALI
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm						
311677.000.76	D 675, H 15	830	3650	51	72	DALI
311677.000.1.76	D 675, H 15	840	4000	52	77	DALI
Glass FerroMurano blue						
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm						
311908.004.76	D 457, H 15	830	2550	36	71	DALI
311908.004.1.76	D 457, H 15	840	2800	36	78	DALI
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm						
311678.000.76	D 675, H 15	830	4550	51	89	DALI
311678.000.1.76	D 675, H 15	840	4900	52	94	DALI
Glass FerroMurano white						
Diameter D 457 mm, canopy Ø 221 mm, h 36 mm						
311910.004.76	D 457, H 15	830	3200	36	89	DALI
311910.004.1.76	D 457, H 15	840	3400	36	94	DALI
Diameter D 675 mm, canopy Ø 263 mm, h 40 mm						
311693.000.76	D 675, H 15	830	5200	51	102	DALI
311693.000.1.76	D 675, H 15	840	5700	52	110	DALI

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



Applies to versions with .76





SIDELITE® ECO

Pendant luminaires

ARCHITECTURE

- **Extensive:** Extremely cost efficient luminaires with advanced LED technology, available as recessed, ceiling, wall, pendant and free-standing luminaires.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50,000 h (L80/B50).

INSTALLATION

- **Variable:** MultiLumen - 4-step adjustable luminous flux.
- **Easy installation:** External driver with simple plug-in locking system.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires

Indoor lighting | Surface mounted modular luminaires

Indoor lighting | Free-standing luminaires

Pendant luminaires | SIDELITE ECO

Type of protection: **IP 40**, canopy IP 20

Protection class: II

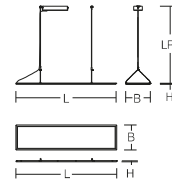
Impact protection: IK03

Suspension Length: 300-1500 mm

Frame made of aluminium, powder-coated. Lightguide and diffuser made of non-yellowing plastic (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

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct 70%, indirect 30% light emission							
Diffuser: plastic (PMMA), opal							
312373.002.790	L 1195, B 295, H 12	830	3500...4400	29...38	121	18,5...19,3	on/off
312373.002.1.790	L 1195, B 295, H 12	840	3650...4550	29...38	126	18,6...19,4	on/off
312373.002.5.76	L 1195, B 295, H 12	830	4250	38	112	19,2	DALI
312373.002.6.76	L 1195, B 295, H 12	840	4400	38	116	19,3	DALI
Diffuser: plastic (PMMA) microprismatic							
312374.002.790	L 1195, B 295, H 12	830	3700...4600	29...38	128	14,8...15,6	on/off
312374.002.1.790	L 1195, B 295, H 12	840	3850...4800	29...38	133	14,9...15,7	on/off
312374.002.5.76	L 1195, B 295, H 12	830	4450	38	117	15,4	DALI
312374.002.6.76	L 1195, B 295, H 12	840	4600	38	121	15,6	DALI

MultiLumen: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 29 W ≈

1 x 60 W T16-R (65 W Psys)

LED 38 W ≈

1 x 22 + 40 W T16-R (70 W Psys)

Pendant luminaires | SIDELITE ECO

Type of protection: **IP 40**

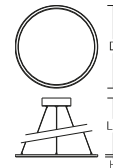
Protection class: II

Impact protection: IK03

Suspension Length: 300-1500 mm

Frame made of aluminium, powder-coated. Lightguide and diffuser made of non-yellowing plastic (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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct 50%, indirect 50% light emission							
Diffuser: plastic (PMMA), opal							
312158.002	D 580, H 15	830	3250	39	83	15,8	on/off
312158.002.76	D 580, H 15	830	3250	39	83	15,8	DALI
312158.002.1	D 580, H 15	840	3250	39	83	15,8	on/off
312158.002.1.76	D 580, H 15	840	3250	39	83	15,8	DALI
Diffuser: plastic (PMMA), transparent							
312159.002	D 580, H 15	830	3400	39	87	19,4	on/off
312159.002.76	D 580, H 15	830	3400	39	87	19,4	DALI
312159.002.1	D 580, H 15	840	3550	39	91	19,7	on/off
312159.002.1.76	D 580, H 15	840	3550	39	91	19,7	DALI

Comparison LED vs. conventional lamps

LED 39 W ≈

1 x 60 W T16-R (65 W Psys)



Diffuser: opal



Diffuser: transparent (off)



Diffuser: transparent (on)



The application image shows:
NAVONA

© shutterstock



113



113

SIDELITE ECO
112-113



115



115

NAVONA
114-115



SIDELITE® ECO

Free-standing luminaires

ARCHITECTURE

- **Extensive:** Extremely cost efficient luminaires with advanced LED technology, available as recessed, ceiling, wall, pendant and free-standing luminaires.
- **Flexible:** LED free-standing luminaires for single and double workspaces.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Uniform:** RZB SIDELITE® technology: Lateral light injection for extremely homogeneous light distribution.
- **Individual:** Separately controllable direct and indirect light part.
- **Efficient:** Versions with intelligent presence control and brightness sensors.

INSTALLATION

- **Straightforward:** Quick commissioning. Plug in and ready.
- **Easy installation:** Pre-assembled components. Luminaire head, luminaire tube, base plate quickly assembled in a few steps.



Further luminaires of this series, see:

Indoor lighting | Recessed modular luminaires

Indoor lighting | Surface mounted modular luminaires

Indoor lighting | Suspended modular luminaires

Free-standing luminaires | SIDELITE ECO

Type of protection: IP 20

Protection class: I

Impact protection: IK02

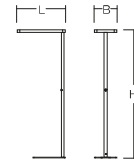
LED free-standing luminaires for single and double workplaces, optionally with intelligent presence control and brightness sensors. Integral driver located inside the luminaire tube. Direct/indirect emission in 40:60 ratio. Direct light control using plastic diffuser with fine microstructure (screen-compliant 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 luminaire tube made of aluminium. Luminaire powder coated. Pushbutton ergonomically integrated in the luminaire tube. With 2 m connection cable including safety plug (Schuko). Dimming range 10% to 100%.

Touch-Dim version: The luminaire remains switched off after the mains supply is restored.

Version with sensors: The luminaire goes into stand-by after the mains supply is restored.

Luminaire top (L 750 x W 350 x H 40 mm).

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



Comparison LED vs. conventional lamps

LED 93 W ≈
4 x 35 W T16 (150 W Psys)



Free-standing luminaires, Direct/indirect - can be switched and dimmable separately

Price Category 21

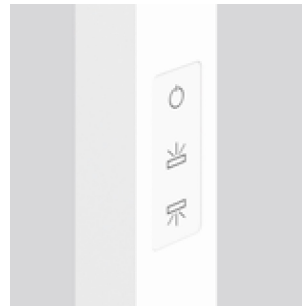
Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
312398.00X.1	L 750, B 350, H 2000	840	9900	93	107	14,7	Touch-Dim
312398.00X.1.19	L 750, B 350, H 2000	840	9900	93	107	14,7	Sensor



Base plate (350 x 500 mm) with opening (115 mm).



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

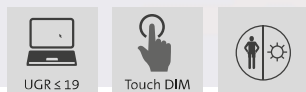


Double workplace



Reference number	312398.002.1
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	Em > 500 lx





NAVONA

Free-standing luminaires

ARCHITECTURE

- **Functional:** Highly efficient LED free-standing luminaire for single and double workplaces.
- **Long service life:** Lightguide and diffuser made of non-yellowing PMMA with microprismatic.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Homogenous:** Provides a large amount of indirect light.
- **Efficient:** With intelligent presence control and brightness sensors.

INSTALLATION

- **Straightforward:** Quick commissioning. Plug in and ready.
- **Easy installation:** Pre-assembled components. Luminaire head, luminaire tube, base plate quickly assembled in a few steps.
- **Advantageous:** With wide opening in the base plate especially for double workplaces.

Free-standing luminaires | NAVONA

Type of protection: IP 20

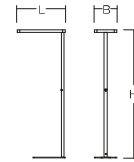
Protection class: I

Impact protection: IK03

LED free-standing luminaires for single and double workplaces with intelligent presence control and brightness sensors. Integral driver located inside the column. Direct/indirect emission in 20:80 ratio. Direct light control via microprismatic plastic diffuser (screen-compliant according to EN 12464-1). Indirect light control via clear plastic diffuser. Diffusers made of non-yellowing plastic (PMMA). Flat steel base plate for high stability and space-saving positioning with office furniture. Top and column made of aluminium. Luminaire powder coated. Rocker switch for switching on/off, dimming and saving brightness levels. With 2 m connection cable including safety plug (Schuko). Dimming range 1% to 100%. The luminaire goes into stand-by after the mains supply is restored.

Luminaire top (L 675 x B 350 x H 40 mm).

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control	Price Category 21
312562.00X.1.19	L 675, B 350, H 2000	840	13400	90	149	10,3	Sensor	



Comparison LED vs. conventional lamps

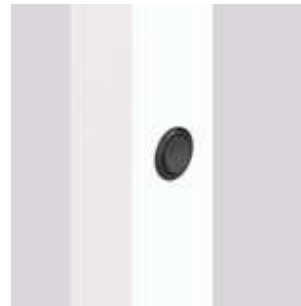
LED 90 W ≈
4 x 39 W T16 (164 W Psys)



Base plate (450 x 340 mm) with opening (150 mm).



Versions with intelligent presence control and brightness sensors.



Rocker switch for switching on/off, dimming and saving brightness levels.



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	312398.002.1.19
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	Em > 500 lx



Double workplace



Reference number	312398.002.1.19
Wattage	LED 93 W / 9900 lm
Number of luminaires	1
Average illuminance	Em > 500 lx





The application image shows:
LESS IS MORE 27 System



© Felix Meyer

					ALEA SPOT 118-119
					BEAMLINE SLIM 120-123
					LINEDO single 124-125
					LESS IS MORE 21 126-129
					LESS IS MORE 27 130-135
					LESS IS MORE 50 136-143
					LESS IS MORE BEAMLINE 144-155
					LESS IS MORE - System (Online configurator) 156-165
					119
					122-123
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					131
					132
					133-134
					138
					139
					140
					142-143
					148-149
					150-151
					152-155
					160-161
					162-163
					164-165



DALI



ALEA SPOT

Recessed ceiling luminaires

ARCHITECTURE

- **Versatile:** 3 lengths, 3 colours.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA).

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Standard:** Alea optical system with deep beam light characteristic.

INSTALLATION

- **Straightforward:** Spring fastening system.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Recessed ceiling luminaires | ALEA SPOT

Type of protection: IP 20

Protection class: II

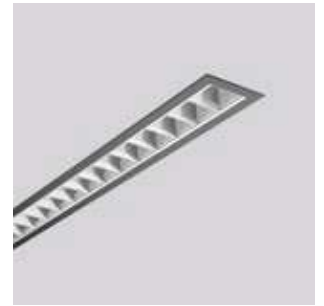
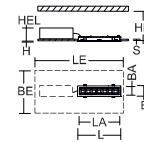
Ceiling thickness S: 1-20 mm

Impact protection: IK03

Housing: metal, powder-coated. **Alea optical system:** Reflector structure (ABS, Aluminium-coated, highly polished) with integrated diffuser made of non-yellowing plastic (PMMA) opal for glare-free light at the workstation (screen-compliant according to EN 12464-1). Luminaire mounting with spring system. Including separate LED converter with connecting cable 550 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							
Length L 306 mm, LA 298 x BA 66 mm, HE 90 mm							
641317.00X	L 306, B 75, H 2, HEL 35	830	950	8,2	116	16,7	on/off
641317.00X.76	L 306, B 75, H 2, HEL 35	830	950	8,2	116	16,7	DALI
641317.00X.730	L 306, B 75, H 2, HEL 35	830	950	8,2	116	16,7	smart+free
641317.00X.1	L 306, B 75, H 2, HEL 35	840	1000	8,2	122	16,9	on/off
641317.00X.1.76	L 306, B 75, H 2, HEL 35	840	1000	8,2	122	16,9	DALI
641317.00X.1.730	L 306, B 75, H 2, HEL 35	840	1000	8,2	122	16,9	smart+free
Length L 586 mm, LA 578 x BA 66 mm, HE 90 mm							
641318.00X	L 586, B 75, H 2, HEL 35	830	1900	15	127	16,7	on/off
641318.00X.76	L 586, B 75, H 2, HEL 35	830	1900	15	127	16,7	DALI
641318.00X.730	L 586, B 75, H 2, HEL 35	830	1900	15	127	16,7	smart+free
641318.00X.1	L 586, B 75, H 2, HEL 35	840	1950	15	130	16,8	on/off
641318.00X.1.76	L 586, B 75, H 2, HEL 35	840	1950	15	130	16,8	DALI
641318.00X.1.730	L 586, B 75, H 2, HEL 35	840	1950	15	130	16,8	smart+free
Length L 866 mm, LA 858 x BA 66 mm, HE 90 mm							
641319.00X	L 866, B 75, H 2, HEL 35	830	2650	21	127	16,4	on/off
641319.00X.76	L 866, B 75, H 2, HEL 35	830	2650	21	127	16,4	DALI
641319.00X.730	L 866, B 75, H 2, HEL 35	830	2650	21	127	16,4	smart+free
641319.00X.1	L 866, B 75, H 2, HEL 35	840	2750	21	131	16,6	on/off
641319.00X.1.76	L 866, B 75, H 2, HEL 35	840	2750	21	131	16,6	DALI
641319.00X.1.730	L 866, B 75, H 2, HEL 35	840	2750	21	131	16,6	smart+free

Comparison LED vs. conventional lamps

LED 8,2 W ≈

1 x 14 W T16 (16 W Psys)

LED 15 W ≈

1 x 21 W T16 (24 W Psys)

LED 21 W ≈

1 x 35 W T16 (38 W Psys)

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.

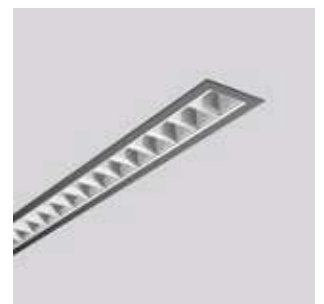
Highly efficient LED.



Diffuser made of non-yellowing plastic (PMMA).



Reflector structure (ABS, Aluminium-coated, highly polished).





DALI



reddot winner 2022



GERMAN
DESIGN
AWARD
WINNER
2022

BEAMLINE SLIM

Recessed ceiling luminaires

ARCHITECTURE

- **Design-oriented:** Light perfectly integrated into the architectural environment.
- **Filigree:** LED luminaire with slim design.
- **Extensive:** Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.

LIGHTING DESIGN

- **Anti-glare:** MRS technology for pleasant, glare-free lighting (UGR <10).
- **Optimum:** Darklight effect.
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, objects and people.
- **Advantageous:** LED rated life 50000 h (L80/B10).

INSTALLATION

- **Easy installation:** Easy to install thanks to tool-free spring fastening system.
- **Straightforward:** Very easy installation thanks to plug & play connection.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



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

BEAMLINE SLIM

Everything at a glance

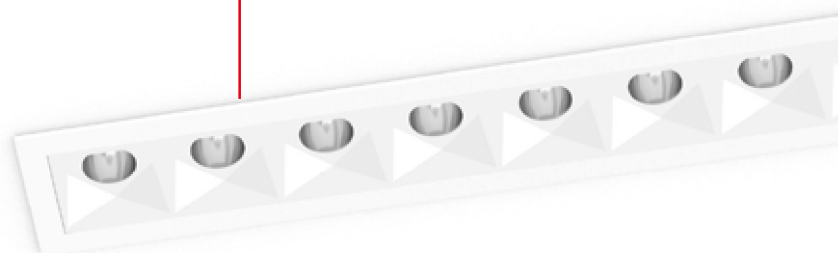


Three different light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.

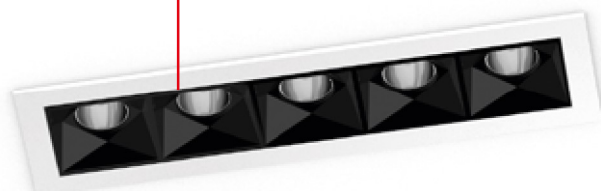


Very easy installation thanks to plug & play connection.

Ceiling installation with spring system.



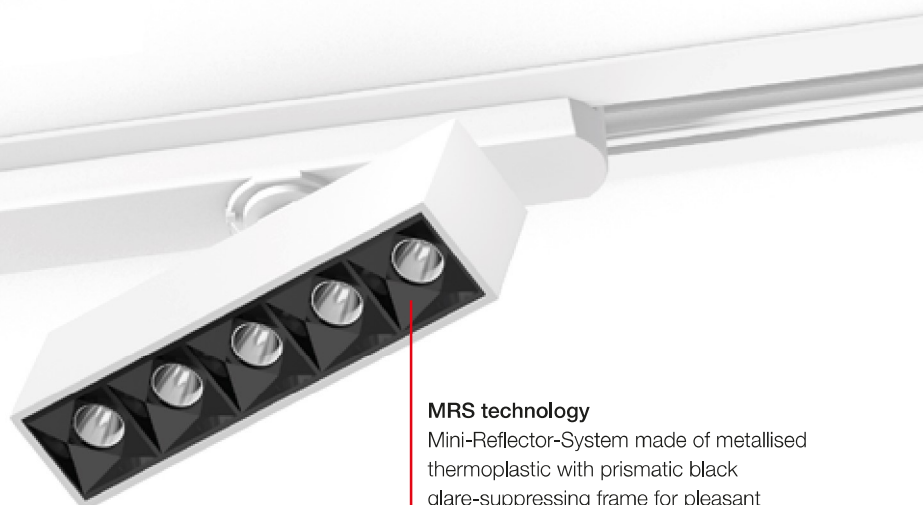
No glare in the dipped area thanks to the darklight effect.



Colour rendering index CRI >90 for true-to-life colour reproduction.

MRS technology

Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10).





Recessed ceiling luminaires | BEAMLINE SLIM

Type of protection: IP 20

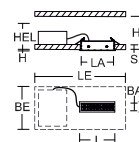
Protection class: II

Ceiling thickness S: 1-50 mm

Impact protection: IK03

Housing: metal, powder-coated. Perfect heat management with an aluminium heat sink. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. Ceiling installation with spring system. Including separate LED converter with connecting cable 450 mm.

Available colours (X): 2 = white, 3 = black, 4 = silver



Comparison LED vs. conventional lamps

LED 14 W ≈

< 1 x 20 W HIT (23 W Psys)

LED 25 W ≈

> 1 x 20 W HIT (23 W Psys)

LED 36 W ≈

1 x 35 W HIT (43 W Psys)



Recessed ceiling luminaires

Narrow beam light distribution 10°

Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm

641323.00X	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	on/off
641323.00X.76	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	DALI
641323.00X.1	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	on/off
641323.00X.1.76	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	DALI
641323.00X.2	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	on/off
641323.00X.2.76	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	DALI

Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm

641326.00X	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	on/off
641326.00X.76	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	DALI
641326.00X.1	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	on/off
641326.00X.1.76	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	DALI
641326.00X.2	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	on/off
641326.00X.2.76	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	DALI

Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm

641329.00X	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	on/off
641329.00X.76	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	DALI
641329.00X.1	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	on/off
641329.00X.1.76	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	DALI
641329.00X.2	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	on/off
641329.00X.2.76	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	DALI



Medium beam light distribution 30°

Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm

641324.00X	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	on/off
641324.00X.76	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	DALI
641324.00X.1	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	on/off
641324.00X.1.76	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	DALI
641324.00X.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	on/off
641324.00X.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	DALI

Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm

641327.00X	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	on/off
641327.00X.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	DALI
641327.00X.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	on/off
641327.00X.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	DALI
641327.00X.2	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	on/off
641327.00X.2.76	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	DALI

Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm

641330.00X	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	on/off
641330.00X.76	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	DALI
641330.00X.1	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	on/off
641330.00X.1.76	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	DALI
641330.00X.2	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	on/off
641330.00X.2.76	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	DALI



Wide beam light distribution 50°

Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm

641325.00X	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	on/off
641325.00X.76	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	DALI
641325.00X.1	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	on/off
641325.00X.1.76	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	DALI
641325.00X.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	on/off
641325.00X.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	DALI

Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm

641328.00X	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	on/off
641328.00X.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	DALI
641328.00X.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	on/off
641328.00X.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	DALI
641328.00X.2	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	on/off
641328.00X.2.76	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	DALI

Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm

641331.00X	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	on/off
641331.00X.76	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	DALI
641331.00X.1	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	on/off
641331.00X.1.76	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	DALI
641331.00X.2	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	on/off
641331.00X.2.76	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	DALI

Recessed ceiling luminaires | BEAMLINE SLIM

Type of protection: IP 20

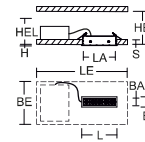
Protection class: II

Ceiling thickness S: 1-50 mm

Impact protection: IK03

Housing: metal, powder-coated. Perfect heat management with an aluminium heat sink. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic white glare-suppressing frame for pleasant glare-free light (UGR <10). Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. Ceiling installation with spring system. Including separate LED converter with connecting cable 450 mm.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							
Narrow beam light distribution 10°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641323.0025	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	on/off
641323.0025.76	L 155, B 45, H 2, HEL 60	927	900	14	65	3,1	DALI
641323.0025.1	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	on/off
641323.0025.1.76	L 155, B 45, H 2, HEL 60	930	980	14	70	3,5	DALI
641323.0025.2	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	on/off
641323.0025.2.76	L 155, B 45, H 2, HEL 60	940	1050	14	75	3,5	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641326.0025	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	on/off
641326.0025.76	L 295, B 45, H 2, HEL 60	927	1800	25	72	3,1	DALI
641326.0025.1	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	on/off
641326.0025.1.76	L 295, B 45, H 2, HEL 60	930	1950	25	78	3,5	DALI
641326.0025.2	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	on/off
641326.0025.2.76	L 295, B 45, H 2, HEL 60	940	2100	25	84	3,5	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641329.0025	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	on/off
641329.0025.76	L 435, B 45, H 2, HEL 60	927	2700	36	75	3,1	DALI
641329.0025.1	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	on/off
641329.0025.1.76	L 435, B 45, H 2, HEL 60	930	2950	36	82	3,5	DALI
641329.0025.2	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	on/off
641329.0025.2.76	L 435, B 45, H 2, HEL 60	940	3150	36	88	3,5	DALI
Medium beam light distribution 30°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641324.0025	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	on/off
641324.0025.76	L 155, B 45, H 2, HEL 60	927	940	14	68	5,7	DALI
641324.0025.1	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	on/off
641324.0025.1.76	L 155, B 45, H 2, HEL 60	930	1000	14	72	5,4	DALI
641324.0025.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	on/off
641324.0025.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	5,9	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641327.0025	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	on/off
641327.0025.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	5,7	DALI
641327.0025.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	on/off
641327.0025.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	5,4	DALI
641327.0025.2	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	on/off
641327.0025.2.76	L 295, B 45, H 2, HEL 60	940	2150	25	86	5,9	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641330.0025	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	on/off
641330.0025.76	L 435, B 45, H 2, HEL 60	927	2800	36	78	5,7	DALI
641330.0025.1	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	on/off
641330.0025.1.76	L 435, B 45, H 2, HEL 60	930	3050	36	85	5,4	DALI
641330.0025.2	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	on/off
641330.0025.2.76	L 435, B 45, H 2, HEL 60	940	3250	36	91	5,9	DALI
Wide beam light distribution 50°							
Length L 155 mm, LA 150 x BA 40 mm, HE 110 mm							
641325.0025	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	on/off
641325.0025.76	L 155, B 45, H 2, HEL 60	927	960	14	69	9,5	DALI
641325.0025.1	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	on/off
641325.0025.1.76	L 155, B 45, H 2, HEL 60	930	1050	14	75	9,5	DALI
641325.0025.2	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	on/off
641325.0025.2.76	L 155, B 45, H 2, HEL 60	940	1100	14	79	9,4	DALI
Length L 295 mm, LA 290 x BA 40 mm, HE 110 mm							
641328.0025	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	on/off
641328.0025.76	L 295, B 45, H 2, HEL 60	927	1900	25	76	9,5	DALI
641328.0025.1	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	on/off
641328.0025.1.76	L 295, B 45, H 2, HEL 60	930	2050	25	82	9,4	DALI
641328.0025.2	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	on/off
641328.0025.2.76	L 295, B 45, H 2, HEL 60	940	2200	25	88	9,4	DALI
Length L 435 mm, LA 430 x BA 40 mm, HE 110 mm							
641331.0025	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	on/off
641331.0025.76	L 435, B 45, H 2, HEL 60	927	2900	36	81	9,5	DALI
641331.0025.1	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	on/off
641331.0025.1.76	L 435, B 45, H 2, HEL 60	930	3100	36	87	9,5	DALI
641331.0025.2	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	on/off
641331.0025.2.76	L 435, B 45, H 2, HEL 60	940	3350	36	94	9,5	DALI

Comparison LED vs. conventional lamps

LED 14 W ≈

< 1 x 20 W HIT (23 W Psys)

LED 25 W ≈

> 1 x 20 W HIT (23 W Psys)

LED 36 W ≈

1 x 35 W HIT (43 W Psys)





LINEDO

Pendant luminaires

ARCHITECTURE

- **Versatile:** Single luminaires as well as configurations of continuous line luminaire systems.
- **Efficient:** High efficiency LED units with optimum light control thanks to precise lens optics.
- **Certified:** ENEC (European Norms Electrical Certification) certified.

LIGHTING DESIGN

- **Anti-glare:** Suitable for office areas and computer workstations.
- **Optimum:** LED rated life 80,000 h (L_{CLO}) DALI/CLO controlled - High planning reliability thanks to constant light output throughout the entire service life.
- **Advantageous:** Up to 10 years warranty.

INSTALLATION

- **Functional:** Suitable for ambient temperatures from -25 up to +50°C (DALI/CLO up to 40°C).
- **Future-proof:** IoT ready – control and monitoring via DALI-2 Standard (on request).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



Further luminaires of this series, see:
Indoor lighting | Continuous line luminaire system

Pendant luminaires | LINEDO single IP20

Type of protection: IP 20

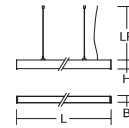
Protection class: I

Impact protection: IK03

Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated (white, black) or anodised. End cap aluminium powder-coated, without visible screws. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics. Ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1. 2-point steel cable suspension freely positionable and infinitely height-adjustable. With power cord (2.5 m). Please order canopy separately if required. Other luminaire lengths on request.

Available colours (X): 0 = aluminium, anodised, 2 = white, 3 = black



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting Control
Pendant luminaires							
Price Category 21							
Length L 1700 mm							
312563.00X	L 1700, B 58, H 76	830	4550	31	147	16,7	on/off
312563.00X.76	L 1700, B 58, H 76	830	4550	31	147	16,7	DALI
312563.00X.1	L 1700, B 58, H 76	840	4850	31	156	16,9	on/off
312563.00X.1.76	L 1700, B 58, H 76	840	4850	31	156	16,9	DALI
Length L 2264 mm							
312564.00X	L 2264, B 58, H 76	830	6100	40	153	16,6	on/off
312564.00X.76	L 2264, B 58, H 76	830	6100	40	153	16,6	DALI
312564.00X.1	L 2264, B 58, H 76	840	6450	40	161	16,8	on/off
312564.00X.1.76	L 2264, B 58, H 76	840	6450	40	161	16,8	DALI

Comparison LED vs. conventional lamps

LED 31 W ≈

1 x 54 W T16 (58 W Psys)

LED 40 W ≈

1 x 80 W T16 (86 W Psys)

Canopy

982575.01X L 185, B 42, H 30 Aluminium canopy.

Price Category 21



Pendant luminaires | LINEDO single IP54

Type of protection: IP 54

Protection class: I

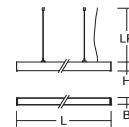
Impact protection: IK03

Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated (white, black) or anodised. End caps: plastic. High-efficiency LED units with optimum light control thanks to clear plastic (PC) lens optics. Ideal for office areas ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1. 2-point steel cable suspension freely positionable and infinitely height-adjustable. With power cord (2.5 m). Please order canopy separately if required. Other luminaire lengths on request.

⚠ 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 colours (X): 0 = aluminium, anodised, 2 = white, 3 = black



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting Control
Pendant luminaires							
Price Category 21							
Length L 1710 mm							
312565.00X	L 1710, B 58, H 76	830	4550	31	147	16,7	on/off
312565.00X.76	L 1710, B 58, H 76	830	4550	31	147	16,7	DALI
312565.00X.1	L 1710, B 58, H 76	840	4850	31	156	16,9	on/off
312565.00X.1.76	L 1710, B 58, H 76	840	4850	31	156	16,9	DALI
Length L 2274 mm							
312566.00X	L 2274, B 58, H 76	830	6100	40	153	16,6	on/off
312566.00X.76	L 2274, B 58, H 76	830	6100	40	153	16,6	DALI
312566.00X.1	L 2274, B 58, H 76	840	6450	40	161	16,8	on/off
312566.00X.1.76	L 2274, B 58, H 76	840	6450	40	161	16,8	DALI

Comparison LED vs. conventional lamps

LED 31 W ≈

1 x 54 W T16 (58 W Psys)

LED 40 W ≈

1 x 80 W T16 (86 W Psys)

Canopy

982575.01X L 185, B 42, H 30 Aluminium canopy.

Price Category 21





DALI



LESS IS MORE® 21

Ceiling and wall luminaires, Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design.
- **Versatile:** As aesthetically sophisticated general lighting (corridors, hotels, shops, private areas) or accentuated lighting.

LIGHTING DESIGN

- **Homogenous:** Three-sided light emission.
- **Long service life:** LED rated life 60000 h (L80/B10).

INSTALLATION

- **Straightforward:** Easy, no-fuss installation.
- **Flexible:** Surface-mounted and suspended luminaires.

Ceiling and wall luminaires | LESS IS MORE 21

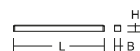
Type of protection: IP 20

Protection class: II

Impact protection: IK00

Housing: extruded aluminium profile, anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser made of non-yellowing plastic (PMMA), opal. External driver with connecting cable.

Available colours (X): 0 = aluminium, anodised, 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires without canopy							
Length L 1008 mm							
312237.00X	L 1008, B 21, H 36	830	1700	17	100	25,3	on/off
312237.00X.76	L 1008, B 21, H 36	830	1700	17	100	25,3	DALI
312237.00X.1	L 1008, B 21, H 36	840	1700	17	100	25,4	on/off
312237.00X.1.76	L 1008, B 21, H 36	840	1700	17	100	25,4	DALI
Length L 1208 mm							
312238.00X	L 1208, B 21, H 36	830	2050	20	103	25,4	on/off
312238.00X.76	L 1208, B 21, H 36	830	2050	20	103	25,4	DALI
312238.00X.1	L 1208, B 21, H 36	840	2050	20	103	25,4	on/off
312238.00X.1.76	L 1208, B 21, H 36	840	2050	20	103	25,4	DALI
Length L 1508 mm							
312239.00X	L 1508, B 21, H 36	830	2550	25	102	25,4	on/off
312239.00X.76	L 1508, B 21, H 36	830	2550	25	102	25,4	DALI
312239.00X.1	L 1508, B 21, H 36	840	2550	25	102	25,4	on/off
312239.00X.1.76	L 1508, B 21, H 36	840	2550	25	102	25,4	DALI

Price Category 21

Comparison LED vs. conventional lamps

LED 17 W ≈

1 x 28 W T16 (31 W Psys)

LED 20 W ≈

1 x 35 W T16 (38 W Psys)

LED 25 W ≈

1 x 49 W T16 (53 W Psys)

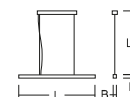


Pendant luminaires | LESS IS MORE 21

Type of protection: IP 20
Protection class: I
Impact protection: IK00
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser made of non-yellowing plastic (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



Comparison LED vs. conventional lamps

LED 20 W ≈
1 x 35 W T16 (38 W Psys)

LED 25 W ≈
1 x 49 W T16 (53 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires with canopy							
Length L 1208 mm							
312227.00X	L 1208, B 21, H 36	830	2050	20	103	25,4	on/off
312227.00X.76	L 1208, B 21, H 36	830	2050	20	103	25,4	DALI
312227.00X.1	L 1208, B 21, H 36	840	2050	20	103	25,4	on/off
312227.00X.1.76	L 1208, B 21, H 36	840	2050	20	103	25,4	DALI
Length L 1508 mm							
312228.00X	L 1508, B 21, H 36	830	2550	25	102	25,4	on/off
312228.00X.76	L 1508, B 21, H 36	830	2550	25	102	25,4	DALI
312228.00X.1	L 1508, B 21, H 36	840	2550	25	102	25,4	on/off
312228.00X.1.76	L 1508, B 21, H 36	840	2550	25	102	25,4	DALI



Pendant luminaires | LESS IS MORE 21

Type of protection: IP 20
Protection class: II
Impact protection: IK00
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, anodised or powder-coated. End cap anodised aluminium or powder-coated. Diffuser made of non-yellowing plastic (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



Comparison LED vs. conventional lamps

LED 20 W ≈
1 x 35 W T16 (38 W Psys)

LED 25 W ≈
1 x 49 W T16 (53 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires without canopy							
Length L 1208 mm							
312230.00X	L 1208, B 21, H 36	830	2050	20	103	25,4	on/off
312230.00X.76	L 1208, B 21, H 36	830	2050	20	103	25,4	DALI
312230.00X.1	L 1208, B 21, H 36	840	2050	20	103	25,4	on/off
312230.00X.1.76	L 1208, B 21, H 36	840	2050	20	103	25,4	DALI
Length L 1508 mm							
312231.00X	L 1508, B 21, H 36	830	2550	25	102	25,4	on/off
312231.00X.76	L 1508, B 21, H 36	830	2550	25	102	25,4	DALI
312231.00X.1	L 1508, B 21, H 36	840	2550	25	102	25,4	on/off
312231.00X.1.76	L 1508, B 21, H 36	840	2550	25	102	25,4	DALI







LESS IS MORE® 27

Recessed ceiling and wall luminaires, Ceiling and wall luminaires, Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Filigree:** Minimalist design.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA) opal, microprismatic or aluminium micro-grid.
- **Extensive:** Built-in, surface-mounted and suspended luminaires.
- **Straightforward:** Single luminaires and configurations of continuous linear lighting up to 50 m or complex L, O, U, I shapes offer maximum design freedom.

LIGHTING DESIGN

- **Anti-glare:** Models with micro-grid suitable for office areas and computer workstations.
- **Versatile:** As aesthetically sophisticated general lighting (corridors, office and conference rooms, shops) or accentuated lighting.
- **Advantageous:** LED rated life 60000 h (L80/B10).
- **Configurable:** Straightforward system planning with the LOUI Configurator.

INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Recessed ceiling and wall luminaires | LESS IS MORE 27

Type of protection: IP 20

Protection class: II

Ceiling thickness S: 10-30 mm

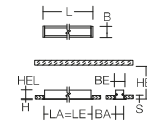
Impact protection: IK00

Housing: extruded aluminium 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).

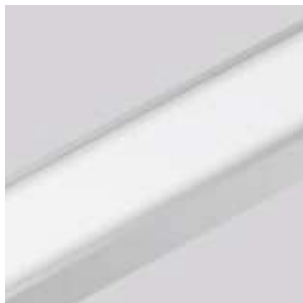
External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling and wall luminaires							
Diffuser: plastic (PMMA), opal							
Length L 1014 mm, LA 1006 x BA 30 mm, HE 45-60 mm							
312176.00X.1	L 1014, B 38, H 2	840	1950	25	78	28,2	on/off
312176.00X.1.76	L 1014, B 38, H 2	840	1950	25	78	28,2	DALI
312176.00X	L 1014, B 38, H 2	830	1950	29	68	28,2	on/off
312176.00X.76	L 1014, B 38, H 2	830	1950	29	68	28,2	DALI
Length L 1514 mm, LA 1506 x BA 30 mm, HE 45-60 mm							
312178.00X.1	L 1514, B 38, H 2	840	2900	39	75	28,2	on/off
312178.00X.1.76	L 1514, B 38, H 2	840	2900	39	75	28,2	DALI
312178.00X	L 1514, B 38, H 2	830	2900	43	68	28,2	on/off
312178.00X.76	L 1514, B 38, H 2	830	2900	43	68	28,2	DALI
Aluminium micro-grid							
Length L 1014 mm, LA 1006 x BA 30 mm, HE 45-60 mm							
312177.00X.1	L 1014, B 38, H 2	840	2350	25	94	19	on/off
312177.00X.1.76	L 1014, B 38, H 2	840	2350	25	94	19	DALI
312177.00X	L 1014, B 38, H 2	830	2350	29	82	19	on/off
312177.00X.76	L 1014, B 38, H 2	830	2350	29	82	19	DALI
Length L 1514 mm, LA 1506 x BA 30 mm, HE 45-60 mm							
312179.00X.1	L 1514, B 38, H 2	840	3500	39	90	19	on/off
312179.00X.1.76	L 1514, B 38, H 2	840	3500	39	90	19	DALI
312179.00X	L 1514, B 38, H 2	830	3500	43	82	19	on/off
312179.00X.76	L 1514, B 38, H 2	830	3500	43	82	19	DALI

Diffuser: plastic (PMMA): The specified luminous flux refers to the white luminaire. With black, silver and white aluminium, the luminous flux is reduced by approx. 20%. You can find detailed information at www.rzb-lighting.com.



Diffuser opal



Aluminium micro-grid

Comparison LED vs. conventional lamps

LED 25 / 29 W ≈

1 x 35 W T16 (38 W Psys)

LED 39 / 43 W ≈

1 x 49 W T16 (53 W Psys)

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 / 2350 lm
Number of luminaires	4
Average illuminance	Em > 533 lx





Ceiling and wall luminaires, Ceiling luminaires | LESS IS MORE 27

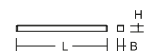
Type of protection: IP 20

Protection class: II

Impact protection: IK00

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated.
Diffuser made of non-yellowing plastic (PMMA) opal or microprismatic. External driver with connecting cable.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 25 / 26 / 29 W ≈

1 x 28 W T16 (31 W Psys)

LED 31 / 34 / 35 W ≈

1 x 35 W T16 (38 W Psys)

LED 39 / 43 W ≈

1 x 49 W T16 (53 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
Diffuser plastic (PMMA), opal							
Length L 1012 mm							
312196.00X.1	L 1012, B 28, H 38	840	1950	25	78	28,2	on/off
312196.00X.1.76	L 1012, B 28, H 38	840	1950	25	78	28,2	DALI
312196.00X	L 1012, B 28, H 38	830	1950	29	68	28,2	on/off
312196.00X.76	L 1012, B 28, H 38	830	1950	29	68	28,2	DALI
Length L 1212 mm							
312198.00X.1	L 1212, B 28, H 38	840	2350	31	76	28,2	on/off
312198.00X.1.76	L 1212, B 28, H 38	840	2350	31	76	28,3	DALI
312198.00X	L 1212, B 28, H 38	830	2350	35	68	28,2	on/off
312198.00X.76	L 1212, B 28, H 38	830	2350	35	68	28,3	DALI
Length L 1512 mm							
312200.00X.1	L 1512, B 28, H 38	840	2900	39	75	28,2	on/off
312200.00X.1.76	L 1512, B 28, H 38	840	2900	39	75	28,2	DALI
312200.00X	L 1512, B 28, H 38	830	2900	43	68	28,2	on/off
312200.00X.76	L 1512, B 28, H 38	830	2900	43	68	28,2	DALI

Price Category 21

Ceiling luminaires

Diffuser plastic (PMMA) microprismatic

Length L 1012 mm

312197.00X.1	L 1012, B 28, H 38	840	2150	26	83	24,9	on/off
312197.00X.1.76	L 1012, B 28, H 38	840	2150	26	83	24,9	DALI
312197.00X	L 1012, B 28, H 38	830	2150	29	75	24,8	on/off
312197.00X.76	L 1012, B 28, H 38	830	2150	29	75	24,8	DALI

Length L 1212 mm

312199.00X.1	L 1212, B 28, H 38	840	2600	31	84	24,9	on/off
312199.00X.1.76	L 1212, B 28, H 38	840	2600	31	84	24,9	DALI
312199.00X	L 1212, B 28, H 38	830	2600	34	77	24,9	on/off
312199.00X.76	L 1212, B 28, H 38	830	2600	34	77	24,9	DALI

Length L 1512 mm

312201.00X.1	L 1512, B 28, H 38	840	3250	39	84	24,9	on/off
312201.00X.1.76	L 1512, B 28, H 38	840	3250	39	84	24,9	DALI
312201.00X	L 1512, B 28, H 38	830	3250	43	76	24,9	on/off
312201.00X.76	L 1512, B 28, H 38	830	3250	43	76	24,9	DALI

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 opal



Diffuser microprismatic

Pendant luminaires | LESS IS MORE 27 - with canopy

Type of protection: IP 20

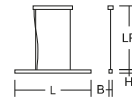
Protection class: I

Impact protection: IK00

Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal, microprismatic 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, 4 = silver, 45 = white aluminium



Pendant luminaires with canopy - Direct 60%, indirect 40% light emission

Diffuser: plastic (PMMA), opal

Length L 1012 mm

312208.00X.1	L 1012, B 28, H 38	840	2700	34	80	25,2	on/off
312208.00X.1.76	L 1012, B 28, H 38	840	2700	34	80	25,2	DALI
312208.00X	L 1012, B 28, H 38	830	2700	37	73	25,2	on/off
312208.00X.76	L 1012, B 28, H 38	830	2700	37	73	25,2	DALI

Length L 1512 mm

312210.00X.1	L 1512, B 28, H 38	840	4000	51	79	25,2	on/off
312210.00X.1.76	L 1512, B 28, H 38	840	4000	51	79	25,2	DALI
312210.00X	L 1512, B 28, H 38	830	4000	56	72	25,2	on/off
312210.00X.76	L 1512, B 28, H 38	830	4000	56	72	25,2	DALI

Diffuser: plastic (PMMA) microprismatic

Length L 1012 mm

312209.00X.1	L 1012, B 28, H 38	840	3000	34	89	22,4	on/off
312209.00X.1.76	L 1012, B 28, H 38	840	3000	34	89	22,4	DALI
312209.00X	L 1012, B 28, H 38	830	3000	37	82	22,4	on/off
312209.00X.76	L 1012, B 28, H 38	830	3000	37	82	22,4	DALI

Length L 1512 mm

312211.00X.1	L 1512, B 28, H 38	840	4500	51	89	22,4	on/off
312211.00X.1.76	L 1512, B 28, H 38	840	4500	51	89	22,4	DALI
312211.00X	L 1512, B 28, H 38	830	4500	56	81	22,4	on/off
312211.00X.76	L 1512, B 28, H 38	830	4500	56	81	22,4	DALI

Aluminium micro-grid

Length L 1512 mm

312212.00X *	L 1512, B 28, H 38	830	2800	33	85	12,5	on/off
312212.00X.76 *	L 1512, B 28, H 38	830	2800	33	85	12,5	DALI
312212.00X.1 *	L 1512, B 28, H 38	840	2800	33	85	12,5	on/off
312212.00X.1.76 *	L 1512, B 28, H 38	840	2800	33	85	12,5	DALI
312213.00X	L 1512, B 28, H 38	830	3700	39	95	15,1	on/off
312213.00X.76	L 1512, B 28, H 38	830	3700	39	95	15,1	DALI
312213.00X.1	L 1512, B 28, H 38	840	3700	39	95	14,8	on/off
312213.00X.1.76	L 1512, B 28, H 38	840	3700	39	95	14,8	DALI

* Light emission directly 50% - indirectly 50%

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.

Comparison LED vs. conventional lamps

LED 33 W ≈

1 x 35 W T16 (38 W Psys)

LED 34 / 37 / 39 W ≈

1 x 49 W T16 (53 W Psys)

LED 51 / 56 W ≈

1 x 80 W T16 (86 W Psys)

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





Pendant luminaires | LESS IS MORE 27 - without canopy

Type of protection: IP 20

Protection class: II

Impact protection: IK00

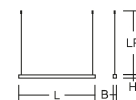
Suspension Length: 100-1500 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. Diffuser made of non-yellowing plastic (PMMA) opal, microprismatic 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, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 33 W ≈

1 x 35 W T16 (38 W Psys)

LED 34 / 37 / 39 W ≈

1 x 49 W T16 (53 W Psys)

LED 51 / 56 W ≈

1 x 80 W T16 (86 W Psys)



Pendant luminaires without canopy - Direct 60%, indirect 40% light emission

Price Category 21

Diffuser: plastic (PMMA), opal

Length L 1012 mm

312220.00X.1.76	L 1012, B 28, H 38	840	2700	34	80	25,2	DALI
312220.00X.1	L 1012, B 28, H 38	840	2700	34	80	25,2	on/off
312220.00X.76	L 1012, B 28, H 38	830	2700	37	73	25,2	DALI
312220.00X	L 1012, B 28, H 38	830	2700	37	73	25,2	on/off

Length L 1512 mm

312222.00X.1.76	L 1512, B 28, H 38	840	4000	51	79	25,2	DALI
312222.00X.1	L 1512, B 28, H 38	840	4000	51	79	25,2	on/off
312222.00X.76	L 1512, B 28, H 38	830	4000	56	72	25,2	DALI
312222.00X	L 1512, B 28, H 38	830	4000	56	72	25,2	on/off

Diffuser: plastic (PMMA) microprismatic

Length L 1012 mm

312221.00X.1	L 1012, B 28, H 38	840	3000	34	89	22,4	on/off
312221.00X.1.76	L 1012, B 28, H 38	840	3000	34	89	22,4	DALI
312221.00X.76	L 1012, B 28, H 38	830	3000	37	82	22,3	DALI
312221.00X	L 1012, B 28, H 38	830	3000	37	82	22,4	on/off

Length L 1512 mm

312223.00X.1	L 1512, B 28, H 38	840	4500	51	89	22,4	on/off
312223.00X.1.76	L 1512, B 28, H 38	840	4500	51	89	22,4	DALI
312223.00X.76	L 1512, B 28, H 38	830	4500	56	81	22,3	DALI
312223.00X	L 1512, B 28, H 38	830	4500	56	81	22,4	on/off

Aluminium micro-grid

Length L 1512 mm

312224.00X *	L 1512, B 28, H 38	830	2800	33	85	12,5	on/off
312224.00X.76 *	L 1512, B 28, H 38	830	2800	33	85	12,5	DALI
312224.00X.1 *	L 1512, B 28, H 38	840	2800	33	85	12,5	on/off
312224.00X.1.76 *	L 1512, B 28, H 38	840	2800	33	85	12,5	DALI
312225.00X	L 1512, B 28, H 38	830	3700	39	95	15,1	on/off
312225.00X.76	L 1512, B 28, H 38	830	3700	39	95	15,1	DALI
312225.00X.1	L 1512, B 28, H 38	840	3700	39	95	14,8	on/off
312225.00X.1.76	L 1512, B 28, H 38	840	3700	39	95	14,8	DALI

* Light emission directly 50% - indirectly 50%

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 opal



Diffuser microprismatic



Aluminium micro-grid





LESS IS MORE® 50

Recessed ceiling and wall luminaires, Ceiling and wall luminaires, Wall luminaires, Pendant luminaires

ARCHITECTURE

- **Extensive:** Recessed, surface-mounted, pendant and wall luminaires.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA) opal or Alea Optical system.
- **Straightforward:** Single luminaires and configurations of continuous linear lighting up to 50 m or complex L, O, U, I shapes offer maximum design freedom.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations with Alea optical system.
- **Clever:** Separately controllable direct and indirect light part or DALI pendant luminaires.
- **Advantageous:** LED rated life 50000 h (L80/B10).
- **Optimum:** With sensors or as a safety luminaire on request.
- **Configurable:** Straightforward system planning with the LOUI Configurator.

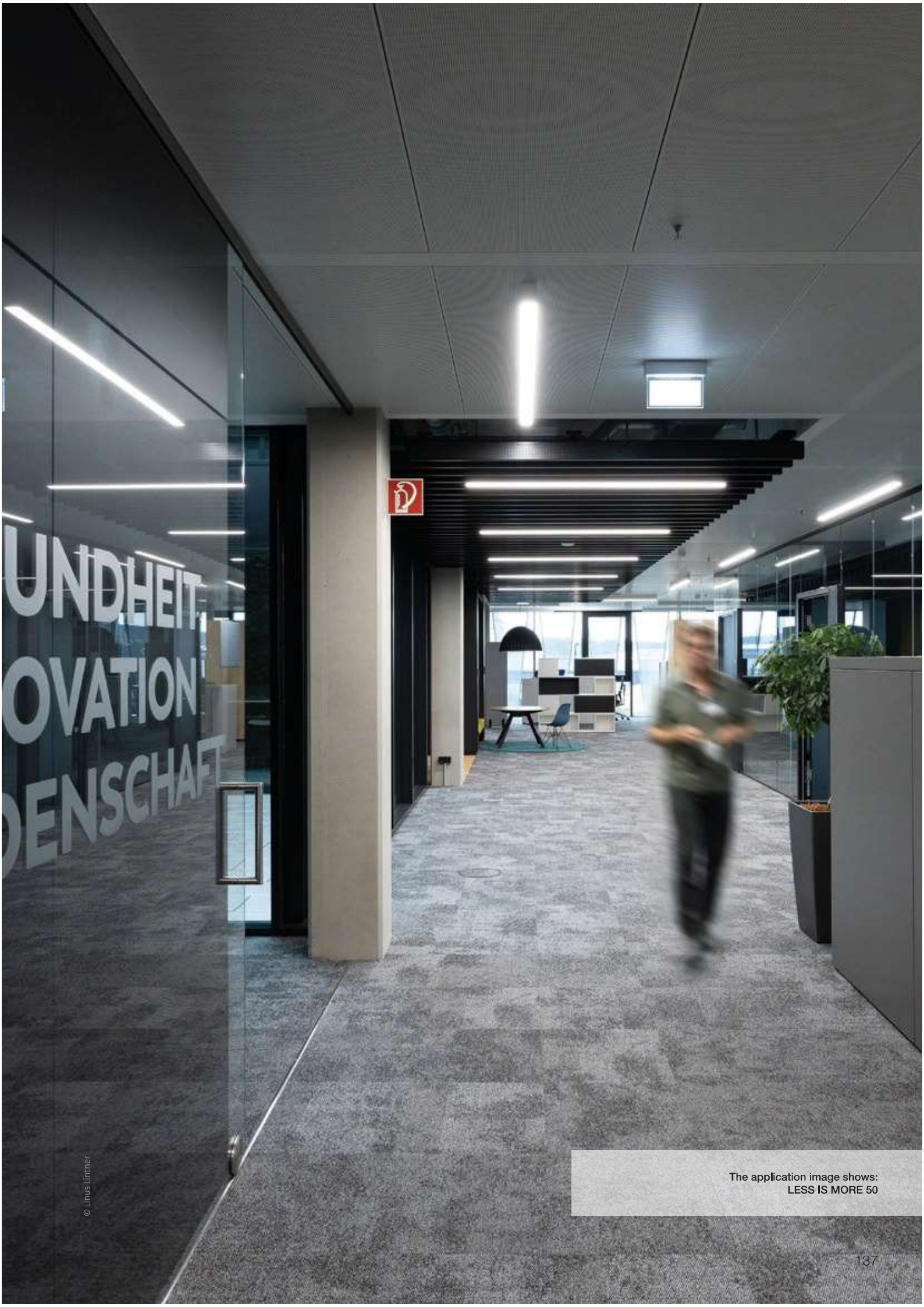
INSTALLATION

- **Easy installation:** Easy, no-fuss installation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.



ALEA OPTICAL SYSTEM

A brilliant example of the power of innovation: The Alea optical system 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.





Recessed ceiling and wall luminaires | LESS IS MORE 50

Type of protection: IP 20

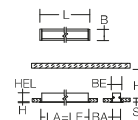
Protection class: I

Ceiling thickness S: 10-30 mm

Impact protection: IK03

Housing: extruded aluminium 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 integrated 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). Ceiling mounting with pre-assembled SBS clamping bracket system, LED unit with integrated converter interchangeable and removable. With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 22 W ≈

1 x 35 W T16 (38 W Psys)

LED 28 W ≈

1 x 49 W T16 (53 W Psys)

LED 34 / 35 W ≈

1 x 80 W T16 (86 W Psys)

LED 40 W ≈

2 x 35 W T16 (75 W Psys)

LED 41 / 47 W ≈

2 x 49 W T16 (106 W Psys)

LED 48 W ≈

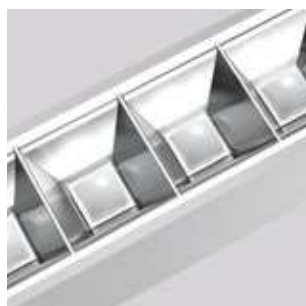
2 x 54 W T16 (115 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
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, HEL 75 mm							
312323.00X	L 861, B 71, H 2	830	2300	22	105	26,2	on/off
312323.00X.76	L 861, B 71, H 2	830	2300	22	105	26,2	DALI
312323.00X.1	L 861, B 71, H 2	840	2400	22	110	26,4	on/off
312323.00X.1.76	L 861, B 71, H 2	840	2400	22	110	26,4	DALI
Length L 1141 mm, LA 1128 x BA 60 mm, HE 100 mm, HEL 75 mm							
312324.00X	L 1141, B 71, H 2	830	3100	28	111	26,2	on/off
312324.00X.76	L 1141, B 71, H 2	830	3100	28	111	26,2	DALI
312324.00X.1	L 1141, B 71, H 2	840	3250	28	117	26,4	on/off
312324.00X.1.76	L 1141, B 71, H 2	840	3250	28	117	26,4	DALI
Length L 1421 mm, LA 1408 x BA 60 mm, HE 100 mm, HEL 75 mm							
312325.00X	L 1421, B 71, H 2	830	3850	34	114	26,2	on/off
312325.00X.76	L 1421, B 71, H 2	830	3850	34	114	26,2	DALI
312325.00X.1	L 1421, B 71, H 2	840	4050	34	120	26,4	on/off
312325.00X.1.76	L 1421, B 71, H 2	840	4050	34	120	26,4	DALI
Length L 1701 mm, LA 1688 x BA 60 mm, HE 100 mm, HEL 75 mm							
312326.00X	L 1701, B 71, H 2	830	4650	40	117	26,2	on/off
312326.00X.76	L 1701, B 71, H 2	830	4650	40	117	26,2	DALI
312326.00X.1	L 1701, B 71, H 2	840	4850	40	122	26,3	on/off
312326.00X.1.76	L 1701, B 71, H 2	840	4850	40	122	26,3	DALI
Length L 1981 mm, LA 1968 x BA 60 mm, HE 100 mm, HEL 75 mm							
312327.00X	L 1981, B 71, H 2	830	5400	47	115	26,2	on/off
312327.00X.76	L 1981, B 71, H 2	830	5400	47	115	26,2	DALI
312327.00X.1	L 1981, B 71, H 2	840	5650	47	121	26,3	on/off
312327.00X.1.76	L 1981, B 71, H 2	840	5650	47	121	26,3	DALI
Alea optical system							
Length L 861 mm, LA 848 x BA 60 mm, HE 100 mm, HEL 75 mm							
312347.00X	L 861, B 71, H 2	830	2500	22	114	14,7	on/off
312347.00X.76	L 861, B 71, H 2	830	2500	22	114	14,7	DALI
312347.00X.1	L 861, B 71, H 2	840	2650	22	121	14,9	on/off
312347.00X.1.76	L 861, B 71, H 2	840	2650	22	121	14,9	DALI
Length L 1141 mm, LA 1128 x BA 60 mm, HE 100 mm, HEL 75 mm							
312348.00X	L 1141, B 71, H 2	830	3350	28	120	14,7	on/off
312348.00X.76	L 1141, B 71, H 2	830	3350	28	120	14,7	DALI
312348.00X.1	L 1141, B 71, H 2	840	3550	28	127	14,9	on/off
312348.00X.1.76	L 1141, B 71, H 2	840	3550	28	127	14,9	DALI
Length L 1421 mm, LA 1408 x BA 60 mm, HE 100 mm, HEL 75 mm							
312349.00X	L 1421, B 71, H 2	830	4200	35	120	14,7	on/off
312349.00X.76	L 1421, B 71, H 2	830	4200	35	120	14,7	DALI
312349.00X.1	L 1421, B 71, H 2	840	4450	35	128	14,9	on/off
312349.00X.1.76	L 1421, B 71, H 2	840	4450	35	128	14,9	DALI
Length L 1701 mm, LA 1688 x BA 60 mm, HE 100 mm, HEL 75 mm							
312350.00X	L 1701, B 71, H 2	830	5050	41	124	14,7	on/off
312350.00X.76	L 1701, B 71, H 2	830	5050	41	124	14,7	DALI
312350.00X.1	L 1701, B 71, H 2	840	5300	41	130	14,9	on/off
312350.00X.1.76	L 1701, B 71, H 2	840	5300	41	130	14,9	DALI
Length L 1981 mm, LA 1968 x BA 60 mm, HE 100 mm, HEL 75 mm							
312351.00X	L 1981, B 71, H 2	830	5900	48	123	14,7	on/off
312351.00X.76	L 1981, B 71, H 2	830	5900	48	123	14,7	DALI
312351.00X.1	L 1981, B 71, H 2	840	6200	48	130	14,9	on/off
312351.00X.1.76	L 1981, B 71, H 2	840	6200	48	130	14,9	DALI

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 opal



Alea optical system

Ceiling and wall luminaires | LESS IS MORE 50

Type of protection: IP 20

Protection class: I

Impact protection: IK03

Housing: extruded aluminium 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 integrated 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. Suitable for through-wiring.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires without canopy							
Diffuser: plastic (PMMA), opal							
Length L 847 mm							
312305.00X	L 847, B 57, H 75	830	2300	22	105	26,2	on/off
312305.00X.76	L 847, B 57, H 75	830	2300	22	105	26,2	DALI
312305.00X.1	L 847, B 57, H 75	840	2400	22	110	26,4	on/off
312305.00X.1.76	L 847, B 57, H 75	840	2400	22	110	26,4	DALI
Length L 1127 mm							
312306.00X	L 1127, B 57, H 75	830	3100	28	111	26,2	on/off
312306.00X.76	L 1127, B 57, H 75	830	3100	28	111	26,2	DALI
312306.00X.1	L 1127, B 57, H 75	840	3250	26	125	26,4	on/off
312306.00X.1.76	L 1127, B 57, H 75	840	3250	26	125	26,4	DALI
Length L 1407 mm							
312307.00X	L 1407, B 57, H 75	830	3850	34	114	26,2	on/off
312307.00X.76	L 1407, B 57, H 75	830	3850	34	114	26,2	DALI
312307.00X.1	L 1407, B 57, H 75	840	4050	34	120	26,4	on/off
312307.00X.1.76	L 1407, B 57, H 75	840	4050	34	120	26,4	DALI
Length L 1687 mm							
312308.00X	L 1687, B 57, H 75	830	4650	40	117	26,2	on/off
312308.00X.76	L 1687, B 57, H 75	830	4650	40	117	26,2	DALI
312308.00X.1	L 1687, B 57, H 75	840	4850	40	122	26,3	on/off
312308.00X.1.76	L 1687, B 57, H 75	840	4850	40	122	26,3	DALI
Length L 1967 mm							
312309.00X	L 1967, B 57, H 75	830	5400	47	115	26,2	on/off
312309.00X.76	L 1967, B 57, H 75	830	5400	47	115	26,2	DALI
312309.00X.1	L 1967, B 57, H 75	840	5650	47	121	26,3	on/off
312309.00X.1.76	L 1967, B 57, H 75	840	5650	47	121	26,3	DALI
Alea optical system							
Length L 847 mm							
312329.00X	L 847, B 57, H 75	830	2500	22	114	14,7	on/off
312329.00X.76	L 847, B 57, H 75	830	2500	22	114	14,7	DALI
312329.00X.1	L 847, B 57, H 75	840	2650	22	121	14,9	on/off
312329.00X.1.76	L 847, B 57, H 75	840	2650	22	121	14,9	DALI
Length L 1127 mm							
312330.00X	L 1127, B 57, H 75	830	3350	28	120	14,7	on/off
312330.00X.76	L 1127, B 57, H 75	830	3350	28	120	14,7	DALI
312330.00X.1	L 1127, B 57, H 75	840	3550	28	127	14,9	on/off
312330.00X.1.76	L 1127, B 57, H 75	840	3550	28	127	14,9	DALI
Length L 1407 mm							
312331.00X	L 1407, B 57, H 75	830	4200	35	120	14,7	on/off
312331.00X.76	L 1407, B 57, H 75	830	4200	35	120	14,7	DALI
312331.00X.1	L 1407, B 57, H 75	840	4450	35	128	14,9	on/off
312331.00X.1.76	L 1407, B 57, H 75	840	4450	35	128	14,9	DALI
Length L 1687 mm							
312332.00X	L 1687, B 57, H 75	830	5050	41	124	14,7	on/off
312332.00X.76	L 1687, B 57, H 75	830	5050	41	124	14,7	DALI
312332.00X.1	L 1687, B 57, H 75	840	5300	41	130	14,9	on/off
312332.00X.1.76	L 1687, B 57, H 75	840	5300	41	130	14,9	DALI
Length L 1967 mm							
312333.00X	L 1967, B 57, H 75	830	5900	48	123	14,7	on/off
312333.00X.76	L 1967, B 57, H 75	830	5900	48	123	14,7	DALI
312333.00X.1	L 1967, B 57, H 75	840	6200	48	130	14,9	on/off
312333.00X.1.76	L 1967, B 57, H 75	840	6200	48	130	14,9	DALI

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.

Comparison LED vs. conventional lamps

LED 22 W ≈

1 x 35 W T16 (38 W Psys)

LED 28 W ≈

1 x 49 W T16 (53 W Psys)

LED 34 / 35 W ≈

1 x 80 W T16 (86 W Psys)

LED 40 W ≈

2 x 35 W T16 (75 W Psys)

LED 41 / 47 W ≈

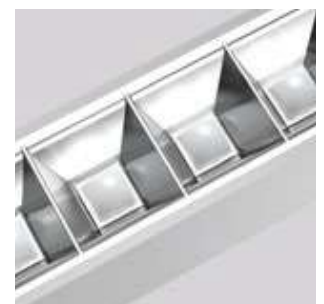
2 x 49 W T16 (106 W Psys)

LED 48 W ≈

2 x 54 W T16 (115 W Psys)



Diffuser opal



Alea optical system



Wall luminaires | LESS IS MORE 50

Type of protection: IP 20

Protection class: I

Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated.

Diffuser made of non-yellowing plastic (PMMA), opal. Direct or direct/indirect light emission.

LED unit with integrated converter interchangeable and removable. Suitable for through-wiring.

With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 9 W ≈

1 x 24 W T16 (26 W Psys)

LED 12 / 13 W ≈

1 x 28 W T16 (31 W Psys)

LED 15 / 16 W ≈

1 x 35 W T16 (38 W Psys)

LED 18 W ≈

1 x 39 W T16 (41 W Psys)

LED 20 W ≈

1 x 49 W T16 (53 W Psys)

LED 25 W ≈

1 x 54 W T16 (58 W Psys)

LED 30 W ≈

1 x 80 W T16 (86 W Psys)

LED 34 W ≈

2 x 49 W T16 (106 W Psys)



Wall luminaires - Direct light emission

Diffuser: plastic (PMMA), opal

Price Category 21

Length L 847 mm

312605.00X	L 847, B 67, H 75	830	1100	9	123	23,7	on/off
312605.00X.76	L 847, B 67, H 75	830	1100	9	123	23,7	DALI
312605.00X.1	L 847, B 67, H 75	840	1150	9	128	23,8	on/off
312605.00X.1.76	L 847, B 67, H 75	840	1150	9	128	23,8	DALI

Length L 1127 mm

312607.00X	L 1127, B 67, H 75	830	1450	12	121	23,6	on/off
312607.00X.76	L 1127, B 67, H 75	830	1450	13	112	23,6	DALI
312607.00X.1	L 1127, B 67, H 75	840	1500	12	125	23,8	on/off
312607.00X.1.76	L 1127, B 67, H 75	840	1500	13	116	23,8	DALI

Length L 1407 mm

312609.00X	L 1407, B 67, H 75	830	1850	15	124	23,7	on/off
312609.00X.76	L 1407, B 67, H 75	830	1850	16	116	23,7	DALI
312609.00X.1	L 1407, B 67, H 75	840	1950	15	130	23,9	on/off
312609.00X.1.76	L 1407, B 67, H 75	840	1950	16	122	23,9	DALI

Length L 1687 mm

312611.00X	L 1687, B 67, H 75	830	2200	18	123	23,7	on/off
312611.00X.76	L 1687, B 67, H 75	830	2200	18	123	23,7	DALI
312611.00X.1	L 1687, B 67, H 75	840	2300	18	128	23,8	on/off
312611.00X.1.76	L 1687, B 67, H 75	840	2300	18	128	23,8	DALI

Length L 1967 mm

312613.00X	L 1967, B 67, H 75	830	2500	20	125	23,6	on/off
312613.00X.76	L 1967, B 67, H 75	830	2500	20	125	23,6	DALI
312613.00X.1	L 1967, B 67, H 75	840	2650	20	133	23,8	on/off
312613.00X.1.76	L 1967, B 67, H 75	840	2650	20	133	23,8	DALI



Wall luminaires - Direct 50%, indirect 50% light emission

Diffuser: plastic (PMMA), opal

Price Category 21

Length L 847 mm

312606.00X	L 847, B 67, H 75	830	1950	15	130	19,3	on/off
312606.00X.76	L 847, B 67, H 75	830	1950	16	122	19,3	DALI
312606.00X.1	L 847, B 67, H 75	840	2050	15	137	19,5	on/off
312606.00X.1.76	L 847, B 67, H 75	840	2050	16	129	19,5	DALI

Length L 1127 mm

312608.00X	L 1127, B 67, H 75	830	2600	20	130	19,3	on/off
312608.00X.76	L 1127, B 67, H 75	830	2600	20	130	19,3	DALI
312608.00X.1	L 1127, B 67, H 75	840	2750	20	138	19,5	on/off
312608.00X.1.76	L 1127, B 67, H 75	840	2750	20	138	19,5	DALI

Length L 1407 mm

312610.00X	L 1407, B 67, H 75	830	3250	25	130	19,3	on/off
312610.00X.76	L 1407, B 67, H 75	830	3250	25	130	19,3	DALI
312610.00X.1	L 1407, B 67, H 75	840	3400	25	136	19,5	on/off
312610.00X.1.76	L 1407, B 67, H 75	840	3400	25	136	19,5	DALI

Length L 1687 mm

312612.00X	L 1687, B 67, H 75	830	3900	30	130	19,3	on/off
312612.00X.76	L 1687, B 67, H 75	830	3900	30	130	19,3	DALI
312612.00X.1	L 1687, B 67, H 75	840	4100	30	137	19,5	on/off
312612.00X.1.76	L 1687, B 67, H 75	840	4100	30	137	19,5	DALI

Length L 1967 mm

312614.00X	L 1967, B 67, H 75	830	4550	34	134	19,3	on/off
312614.00X.76	L 1967, B 67, H 75	830	4550	34	134	19,3	DALI
312614.00X.1	L 1967, B 67, H 75	840	4800	34	142	19,5	on/off
312614.00X.1.76	L 1967, B 67, H 75	840	4800	34	142	19,5	DALI



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The application image shows:
LESS IS MORE 50



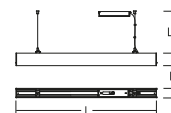
Pendant luminaires | LESS IS MORE 50

Type of protection: IP 20

Protection class: I

Impact protection: IK03

Suspension Length: 2000 mm



Housing: extruded aluminium 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 integrated 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 available on request. Canopy de aluminium, powder-coated. Suitable for through-wiring. With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium

Comparison LED vs. conventional lamps

LED 22 W ≈

1 x 35 W T16 (38 W Psys)

LED 28 W ≈

1 x 49 W T16 (53 W Psys)

LED 34 / 35 W ≈

1 x 80 W T16 (86 W Psys)

LED 40 W ≈

2 x 35 W T16 (75 W Psys)

LED 41 / 47 W ≈

2 x 49 W T16 (106 W Psys)

LED 48 W ≈

2 x 54 W T16 (115 W Psys)



Pendant luminaires with canopy - Direct light emission

Diffuser: plastic (PMMA), opal

Length L 847 mm

312311.00X	L 847, B 57, H 75	830	2300	22	105	26,2	on/off
312311.00X.76	L 847, B 57, H 75	830	2300	22	105	26,2	DALI
312311.00X.1	L 847, B 57, H 75	840	2400	22	110	26,4	on/off
312311.00X.1.76	L 847, B 57, H 75	840	2400	22	110	26,4	DALI

Length L 1127 mm

312312.00X	L 1127, B 57, H 75	830	3100	28	111	26,2	on/off
312312.00X.76	L 1127, B 57, H 75	830	3100	28	111	26,2	DALI
312312.00X.1	L 1127, B 57, H 75	840	3250	28	117	26,4	on/off
312312.00X.1.76	L 1127, B 57, H 75	840	3250	28	117	26,4	DALI

Length L 1407 mm

312313.00X	L 1407, B 57, H 75	830	3850	34	114	26,2	on/off
312313.00X.76	L 1407, B 57, H 75	830	3850	34	114	26,2	DALI
312313.00X.1	L 1407, B 57, H 75	840	4050	34	120	26,4	on/off
312313.00X.1.76	L 1407, B 57, H 75	840	4050	34	120	26,4	DALI

Length L 1687 mm

312314.00X	L 1687, B 57, H 75	830	4650	40	117	26,2	on/off
312314.00X.76	L 1687, B 57, H 75	830	4650	40	117	26,2	DALI
312314.00X.1	L 1687, B 57, H 75	840	4850	40	122	26,3	on/off
312314.00X.1.76	L 1687, B 57, H 75	840	4850	40	122	26,3	DALI

Length L 1967 mm

312315.00X	L 1967, B 57, H 75	830	5400	47	115	26,2	on/off
312315.00X.76	L 1967, B 57, H 75	830	5400	47	115	26,2	DALI
312315.00X.1	L 1967, B 57, H 75	840	5650	47	121	26,3	on/off
312315.00X.1.76	L 1967, B 57, H 75	840	5650	47	121	26,3	DALI

Alea optical system

Length L 847 mm

312335.00X	L 847, B 57, H 75	830	2500	22	114	14,7	on/off
312335.00X.76	L 847, B 57, H 75	830	2500	22	114	14,7	DALI
312335.00X.1	L 847, B 57, H 75	840	2650	22	121	14,9	on/off
312335.00X.1.76	L 847, B 57, H 75	840	2650	22	121	14,9	DALI

Length L 1127 mm

312336.00X	L 1127, B 57, H 75	830	3350	28	120	14,7	on/off
312336.00X.76	L 1127, B 57, H 75	830	3350	28	120	14,7	DALI
312336.00X.1	L 1127, B 57, H 75	840	3550	28	127	14,9	on/off
312336.00X.1.76	L 1127, B 57, H 75	840	3550	28	127	14,9	DALI

Length L 1407 mm

312337.00X	L 1407, B 57, H 75	830	4200	35	120	14,7	on/off
312337.00X.76	L 1407, B 57, H 75	830	4200	35	120	14,7	DALI
312337.00X.1	L 1407, B 57, H 75	840	4450	35	128	14,9	on/off
312337.00X.1.76	L 1407, B 57, H 75	840	4450	35	128	14,9	DALI

Length L 1687 mm

312338.00X	L 1687, B 57, H 75	830	5050	41	124	14,7	on/off
312338.00X.76	L 1687, B 57, H 75	830	5050	41	124	14,7	DALI
312338.00X.1	L 1687, B 57, H 75	840	5300	41	130	14,9	on/off
312338.00X.1.76	L 1687, B 57, H 75	840	5300	41	130	14,9	DALI

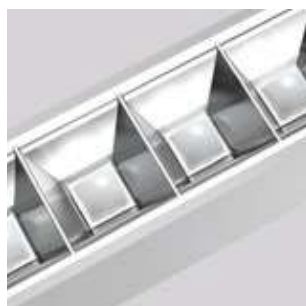
Length L 1967 mm

312339.00X	L 1967, B 57, H 75	830	5900	48	123	14,7	on/off
312339.00X.76	L 1967, B 57, H 75	830	5900	48	123	14,7	DALI
312339.00X.1	L 1967, B 57, H 75	840	6200	48	130	14,9	on/off
312339.00X.1.76	L 1967, B 57, H 75	840	6200	48	130	14,9	DALI

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 opal



Alea optical system

Pendant luminaires | LESS IS MORE 50

Type of protection: IP 20

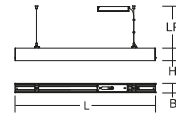
Protection class: I

Impact protection: IK03

Suspension Length: 2000 mm

Housing: extruded aluminium 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 integrated 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). Direct/indirect light emission can be switched separately on DALI versions. LED unit with integrated converter interchangeable and removable, 2-point steel cable suspension freely positionable and infinitely height-adjustable. Special lengths available on request. Canopy de aluminium, powder-coated. Suitable for through-wiring. With sensors or as a safety luminaire on request.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Pendant luminaires with canopy - 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	830	3850	34	114	23,7	on/off
312317.00X.76	L 847, B 57, H 75	830	3850	34	114	23,7	DALI
312317.00X.1	L 847, B 57, H 75	840	4000	34	118	23,8	on/off
312317.00X.1.76	L 847, B 57, H 75	840	4000	34	118	23,8	DALI

Length L 1127 mm

312318.00X	L 1127, B 57, H 75	830	4600	40	115	23,3	on/off
312318.00X.76	L 1127, B 57, H 75	830	4600	40	115	23,3	DALI
312318.00X.1	L 1127, B 57, H 75	840	4800	40	120	23,5	on/off
312318.00X.1.76	L 1127, B 57, H 75	840	4800	40	120	23,5	DALI

Length L 1407 mm

312319.00X	L 1407, B 57, H 75	830	6150	52	119	23,5	on/off
312319.00X.76	L 1407, B 57, H 75	830	6150	52	119	23,5	DALI
312319.00X.1	L 1407, B 57, H 75	840	6450	52	125	23,7	on/off
312319.00X.1.76	L 1407, B 57, H 75	840	6450	52	125	23,7	DALI

Length L 1687 mm

312320.00X	L 1687, B 57, H 75	830	6900	59	117	23,3	on/off
312320.00X.76	L 1687, B 57, H 75	830	6900	59	117	23,3	DALI
312320.00X.1	L 1687, B 57, H 75	840	7250	59	123	23,5	on/off
312320.00X.1.76	L 1687, B 57, H 75	840	7250	59	123	23,5	DALI

Length L 1967 mm

312321.00X	L 1967, B 57, H 75	830	8450	74	115	23,5	on/off
312321.00X.76	L 1967, B 57, H 75	830	8450	74	115	23,5	DALI
312321.00X.1	L 1967, B 57, H 75	840	8850	74	120	23,6	on/off
312321.00X.1.76	L 1967, B 57, H 75	840	8850	74	120	23,6	DALI

Alea optical system

Length L 847 mm

312341.00X	L 847, B 57, H 75	830	3950	35	113	11,8	on/off
312341.00X.76	L 847, B 57, H 75	830	3950	35	113	11,8	DALI
312341.00X.1	L 847, B 57, H 75	840	4200	35	120	12	on/off
312341.00X.1.76	L 847, B 57, H 75	840	4200	35	120	12	DALI

Length L 1127 mm

312342.00X	L 1127, B 57, H 75	830	4800	46	105	11,5	on/off
312342.00X.76	L 1127, B 57, H 75	830	4800	46	105	11,5	DALI
312342.00X.1	L 1127, B 57, H 75	840	5050	46	110	11,7	on/off
312342.00X.1.76	L 1127, B 57, H 75	840	5050	46	110	11,7	DALI

Length L 1407 mm

312343.00X	L 1407, B 57, H 75	830	6400	58	111	11,7	on/off
312343.00X.76	L 1407, B 57, H 75	830	6400	58	111	11,7	DALI
312343.00X.1	L 1407, B 57, H 75	840	6700	58	116	11,9	on/off
312343.00X.1.76	L 1407, B 57, H 75	840	6700	58	116	11,9	DALI

Length L 1687 mm

312344.00X	L 1687, B 57, H 75	830	7200	64	113	11,5	on/off
312344.00X.76	L 1687, B 57, H 75	830	7200	64	113	11,5	DALI
312344.00X.1	L 1687, B 57, H 75	840	7600	64	119	11,7	on/off
312344.00X.1.76	L 1687, B 57, H 75	840	7600	64	119	11,7	DALI

Length L 1967 mm

312345.00X	L 1967, B 57, H 75	830	8800	76	116	11,6	on/off
312345.00X.76	L 1967, B 57, H 75	830	8800	76	116	11,6	DALI
312345.00X.1	L 1967, B 57, H 75	840	9250	76	122	11,8	on/off
312345.00X.1.76	L 1967, B 57, H 75	840	9250	76	122	11,8	DALI

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.

Comparison LED vs. conventional lamps

LED 34 / 35 W ≈

1 x 80 W T16 (86 W Psys)

LED 40 / 46 W ≈

2 x 35 W T16 (75 W Psys)

LED 52 / 58 W ≈

2 x 49 W T16 (106 W Psys)

LED 59 / 64 W ≈

2 x 54 W T16 (115 W Psys)

LED 74 / 76 W ≈

2 x 80 W T16 (177 W Psys)



Diffuser opal

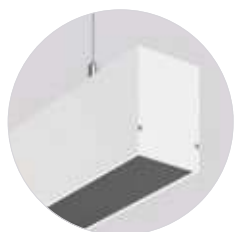


Alea optical system

LESS IS MORE® BEAMLINE

Everything at a glance

Ceiling mount with pre-assembled
SBS clamping bracket system.



2-point steel cable suspension freely
positionable and stepless height-
adjustable.

Housing made of extruded
aluminium profile, anodised.

Three different light distribution options
(narrow, medium-wide and wide beam)
for maximum flexibility in use.



Each LED light unit has 7 reflector
elements.

The LED unit with the integrated converter
is interchangeable and removable.



Very easy installation thanks to plug & play connection.

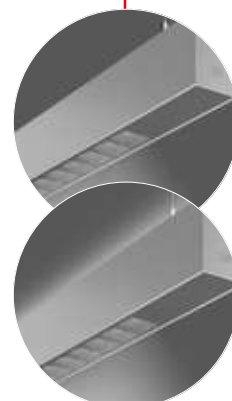
End caps: aluminium, powdercoated.

Two light emissions (direct, direct/indirect).

LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10).



Colour rendering index **CRI >90** for true-to-life colour reproduction.





LESS IS MORE® BEAMLINE

Recessed ceiling luminaires, Ceiling luminaires, Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Light perfectly integrated into the architectural environment.
- **Extensive:** Built-in, surface-mounted and suspended luminaires.
- **Versatile:** Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.
- **Straightforward:** Single luminaires and configurations of continuous linear lighting up to 50 m or complex L, O, U, I shapes offer maximum design freedom.

LIGHTING DESIGN

- **Anti-glare:** MRS technology for pleasant, glare-free lighting (UGR <10).
- **True colours:** CRI >90 for the most realistic possible perception of colours of surroundings, objects and people.
- **Optimum:** LED rated life 50000 h (L80/B10).
- **Configurable:** Straightforward system planning with the LOUI Configurator.

INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Standard:** Internal through-wiring.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.





Recessed ceiling luminaires | LESS IS MORE BEAMLINE

Type of protection: IP 20

Protection class: I

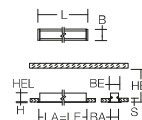
Ceiling thickness S: 10-30 mm

Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated.

LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. Ceiling mounting with pre-assembled SBS clamping bracket system. LED unit with integrated converter interchangeable and removable. Suitable for through-wiring.

Available colours (X): 2 = white, 3 = black, 4 = silver, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 23 W ≈

1 x 28 W T16 (31 W Psys)

LED 48 W ≈

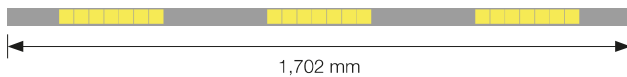
1 x 49 W T16 (53 W Psys)

Luminaire with 2 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							Price Category 21
Luminaire with two LED light units - LA 1128 x BA 60 mm, HE 125 mm, HEL 106 mm							
Narrow beam light distribution 10°							
312465.00X	L 1141, B 71, H 2	930	2050	23	90	0,7	on/off
312465.00X.76	L 1141, B 71, H 2	930	2050	23	90	0,7	DALI
312465.00X.1	L 1141, B 71, H 2	940	2200	23	96	0,9	on/off
312465.00X.1.76	L 1141, B 71, H 2	940	2200	23	96	0,9	DALI
312468.00X	L 1141, B 71, H 2	930	3600	48	75	2,6	on/off
312468.00X.76	L 1141, B 71, H 2	930	3600	48	75	2,6	DALI
312468.00X.1	L 1141, B 71, H 2	940	3900	48	82	2,9	on/off
312468.00X.1.76	L 1141, B 71, H 2	940	3900	48	82	2,9	DALI
Medium beam light distribution 30°							
312466.00X	L 1141, B 71, H 2	930	1950	23	85	1,4	on/off
312466.00X.76	L 1141, B 71, H 2	930	1950	23	85	1,4	DALI
312466.00X.1	L 1141, B 71, H 2	940	2100	23	92	1,7	on/off
312466.00X.1.76	L 1141, B 71, H 2	940	2100	23	92	1,7	DALI
312469.00X	L 1141, B 71, H 2	930	3500	48	73	3,4	on/off
312469.00X.76	L 1141, B 71, H 2	930	3500	48	73	3,4	DALI
312469.00X.1	L 1141, B 71, H 2	940	3800	48	80	3,7	on/off
312469.00X.1.76	L 1141, B 71, H 2	940	3800	48	80	3,7	DALI
Wide beam light distribution 50°							
312467.00X	L 1141, B 71, H 2	930	2050	23	90	3,5	on/off
312467.00X.76	L 1141, B 71, H 2	930	2050	23	90	3,5	DALI
312467.00X.1	L 1141, B 71, H 2	940	2200	23	96	3,8	on/off
312467.00X.1.76	L 1141, B 71, H 2	940	2200	23	96	3,8	DALI
312470.00X	L 1141, B 71, H 2	930	3650	48	77	5,5	on/off
312470.00X.76	L 1141, B 71, H 2	930	3650	48	77	5,5	DALI
312470.00X.1	L 1141, B 71, H 2	940	3950	48	83	5,8	on/off
312470.00X.1.76	L 1141, B 71, H 2	940	3950	48	83	5,8	DALI

Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							
Luminaire with three LED light units - LA 1688 x BA 60 mm, HE 125 mm, HEL 106 mm							
Narrow beam light distribution 10°							
312471.00X	L 1702, B 71, H 2	930	3000	35	86	0,6	on/off
312471.00X.76	L 1702, B 71, H 2	930	3000	35	86	0,6	DALI
312471.00X.1	L 1702, B 71, H 2	940	3250	35	93	0,9	on/off
312471.00X.1.76	L 1702, B 71, H 2	940	3250	35	93	0,9	DALI
312474.00X	L 1702, B 71, H 2	930	5350	72	75	2,6	on/off
312474.00X.76	L 1702, B 71, H 2	930	5350	72	75	2,6	DALI
312474.00X.1	L 1702, B 71, H 2	940	5800	72	81	2,9	on/off
312474.00X.1.76	L 1702, B 71, H 2	940	5800	72	81	2,9	DALI
Medium beam light distribution 30°							
312472.00X	L 1702, B 71, H 2	930	2900	35	83	1,4	on/off
312472.00X.76	L 1702, B 71, H 2	930	2900	35	83	1,4	DALI
312472.00X.1	L 1702, B 71, H 2	940	3150	35	90	1,7	on/off
312472.00X.1.76	L 1702, B 71, H 2	940	3150	35	90	1,7	DALI
312475.00X	L 1702, B 71, H 2	930	5200	72	73	3,4	on/off
312475.00X.76	L 1702, B 71, H 2	930	5200	72	73	3,4	DALI
312475.00X.1	L 1702, B 71, H 2	940	5600	72	78	3,7	on/off
312475.00X.1.76	L 1702, B 71, H 2	940	5600	72	78	3,7	DALI
Wide beam light distribution 50°							
312473.00X	L 1702, B 71, H 2	930	3050	35	88	3,5	on/off
312473.00X.76	L 1702, B 71, H 2	930	3050	35	88	3,5	DALI
312473.00X.1	L 1702, B 71, H 2	940	3300	35	95	3,8	on/off
312473.00X.1.76	L 1702, B 71, H 2	940	3300	35	95	3,8	DALI
312476.00X	L 1702, B 71, H 2	930	5400	72	75	5,5	on/off
312476.00X.76	L 1702, B 71, H 2	930	5400	72	75	5,5	DALI
312476.00X.1	L 1702, B 71, H 2	940	5850	72	82	5,7	on/off
312476.00X.1.76	L 1702, B 71, H 2	940	5850	72	82	5,7	DALI



Comparison LED vs. conventional lamps

LED 35 W ≈
1 x 35 W T16 (38 W Psys)

LED 72 W ≈
1 x 80 W T16 (86 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Recessed ceiling luminaires							
Luminaire with four LED light units - LA 2243 x BA 60 mm, HE 125 mm, HEL 106 mm							
Narrow beam light distribution 10°							
312477.00X	L 2262, B 71, H 2	930	4050	47	87	0,6	on/off
312477.00X.76	L 2262, B 71, H 2	930	4050	47	87	0,6	DALI
312477.00X.1	L 2262, B 71, H 2	940	4350	47	93	0,9	on/off
312477.00X.1.76	L 2262, B 71, H 2	940	4350	47	93	0,9	DALI
312480.00X	L 2262, B 71, H 2	930	7200	97	75	2,6	on/off
312480.00X.76	L 2262, B 71, H 2	930	7200	97	75	2,6	DALI
312480.00X.1	L 2262, B 71, H 2	940	7800	97	81	2,9	on/off
312480.00X.1.76	L 2262, B 71, H 2	940	7800	97	81	2,9	DALI
Medium beam light distribution 30°							
312478.00X	L 2262, B 71, H 2	930	3950	47	85	1,5	on/off
312478.00X.76	L 2262, B 71, H 2	930	3950	47	85	1,5	DALI
312478.00X.1	L 2262, B 71, H 2	940	4200	47	90	1,7	on/off
312478.00X.1.76	L 2262, B 71, H 2	940	4200	47	90	1,7	DALI
312481.00X	L 2262, B 71, H 2	930	6950	97	72	3,4	on/off
312481.00X.76	L 2262, B 71, H 2	930	6950	97	72	3,4	DALI
312481.00X.1	L 2262, B 71, H 2	940	7550	97	78	3,7	on/off
312481.00X.1.76	L 2262, B 71, H 2	940	7550	97	78	3,7	DALI
Wide beam light distribution 50°							
312479.00X	L 2262, B 71, H 2	930	4100	47	88	3,5	on/off
312479.00X.76	L 2262, B 71, H 2	930	4100	47	88	3,5	DALI
312479.00X.1	L 2262, B 71, H 2	940	4400	47	94	3,8	on/off
312479.00X.1.76	L 2262, B 71, H 2	940	4400	47	94	3,8	DALI
312482.00X	L 2262, B 71, H 2	930	7250	97	75	5,5	on/off
312482.00X.76	L 2262, B 71, H 2	930	7250	97	75	5,5	DALI
312482.00X.1	L 2262, B 71, H 2	940	7900	97	82	5,8	on/off
312482.00X.1.76	L 2262, B 71, H 2	940	7900	97	82	5,8	DALI



Comparison LED vs. conventional lamps

LED 47 W ≈
1 x 54 W T16 (58 W Psys)

LED 97 W ≈
2 x 49 W T16 (106 W Psys)



Ceiling luminaires | LESS IS MORE BEAMLINE

Type of protection: IP 20
Protection class: I
Impact protection: IK03

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated.
LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. LED unit with integrated converter interchangeable and removable. Suitable for through-wiring.

Available colours (X): 2 = white, 3 = black, 4 = silver, 4 = silver, 45 = white aluminium



Comparison
LED vs. conventional lamps

LED 23 W ≈
1 x 28 W T16 (31 W Psys)

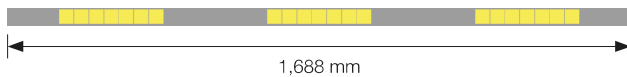
LED 48 W ≈
1 x 49 W T16 (53 W Psys)

Luminaire with 2 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							
Luminaire with two LED light units							
Narrow beam light distribution 10°							
	312483.00X	L 1127, B 57, H 75	930	2050	23	90	0,7 on/off
	312483.00X.76	L 1127, B 57, H 75	930	2050	23	90	0,7 DALI
	312483.00X.1	L 1127, B 57, H 75	940	2200	23	96	0,9 on/off
	312483.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	0,9 DALI
	312486.00X	L 1127, B 57, H 75	930	3600	48	75	2,6 on/off
	312486.00X.76	L 1127, B 57, H 75	930	3600	48	75	2,6 DALI
	312486.00X.1	L 1127, B 57, H 75	940	3900	48	82	2,9 on/off
	312486.00X.1.76	L 1127, B 57, H 75	940	3900	48	82	2,9 DALI
Medium beam light distribution 30°							
	312484.00X	L 1127, B 57, H 75	930	1950	23	85	1,4 on/off
	312484.00X.76	L 1127, B 57, H 75	930	1950	23	85	1,4 DALI
	312484.00X.1	L 1127, B 57, H 75	940	2100	23	92	1,7 on/off
	312484.00X.1.76	L 1127, B 57, H 75	940	2100	23	92	1,7 DALI
	312487.00X	L 1127, B 57, H 75	930	3500	48	73	3,4 on/off
	312487.00X.76	L 1127, B 57, H 75	930	3500	48	73	3,4 DALI
	312487.00X.1	L 1127, B 57, H 75	940	3800	48	80	3,7 on/off
	312487.00X.1.76	L 1127, B 57, H 75	940	3800	48	80	3,7 DALI
Wide beam light distribution 50°							
	312485.00X	L 1127, B 57, H 75	930	2050	23	90	3,5 on/off
	312485.00X.76	L 1127, B 57, H 75	930	2050	23	90	3,5 DALI
	312485.00X.1	L 1127, B 57, H 75	940	2200	23	96	3,8 on/off
	312485.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	3,8 DALI
	312488.00X	L 1127, B 57, H 75	930	3650	48	77	5,5 on/off
	312488.00X.76	L 1127, B 57, H 75	930	3650	48	77	5,5 DALI
	312488.00X.1	L 1127, B 57, H 75	940	3950	48	83	5,8 on/off
	312488.00X.1.76	L 1127, B 57, H 75	940	3950	48	83	5,8 DALI

Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							
Luminaire with three LED light units							
Narrow beam light distribution 10°							
312489.00X	L 1688, B 57, H 75	930	3000	35	86	0,6	on/off
312489.00X.76	L 1688, B 57, H 75	930	3000	35	86	0,6	DALI
312489.00X.1	L 1688, B 57, H 75	940	3250	35	93	0,9	on/off
312489.00X.1.76	L 1688, B 57, H 75	940	3250	35	93	0,9	DALI
312492.00X	L 1688, B 57, H 75	930	5350	72	75	2,6	on/off
312492.00X.76	L 1688, B 57, H 75	930	5350	72	75	2,6	DALI
312492.00X.1	L 1688, B 57, H 75	940	5800	72	81	2,9	on/off
312492.00X.1.76	L 1688, B 57, H 75	940	5800	72	81	2,9	DALI
Medium beam light distribution 30°							
312490.00X	L 1688, B 57, H 75	930	2900	35	83	1,4	on/off
312490.00X.76	L 1688, B 57, H 75	930	2900	35	83	1,4	DALI
312490.00X.1	L 1688, B 57, H 75	940	3150	35	90	1,7	on/off
312490.00X.1.76	L 1688, B 57, H 75	940	3150	35	90	1,7	DALI
312493.00X	L 1688, B 57, H 75	930	5200	72	73	3,4	on/off
312493.00X.76	L 1688, B 57, H 75	930	5200	72	73	3,4	DALI
312493.00X.1	L 1688, B 57, H 75	940	5600	72	78	3,7	on/off
312493.00X.1.76	L 1688, B 57, H 75	940	5600	72	78	3,7	DALI
Wide beam light distribution 50°							
312491.00X	L 1688, B 57, H 75	930	3050	35	88	3,5	on/off
312491.00X.76	L 1688, B 57, H 75	930	3050	35	88	3,5	DALI
312491.00X.1	L 1688, B 57, H 75	940	3300	35	95	3,8	on/off
312491.00X.1.76	L 1688, B 57, H 75	940	3300	35	95	3,8	DALI
312494.00X	L 1688, B 57, H 75	930	5400	72	75	5,5	on/off
312494.00X.76	L 1688, B 57, H 75	930	5400	72	75	5,5	DALI
312494.00X.1	L 1688, B 57, H 75	940	5850	72	82	5,7	on/off
312494.00X.1.76	L 1688, B 57, H 75	940	5850	72	82	5,7	DALI



Comparison LED vs. conventional lamps

LED 35 W ≈

1 x 35 W T16 (38 W Psys)

LED 72 W ≈

1 x 80 W T16 (86 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling luminaires							
Luminaire with four LED light units							
Narrow beam light distribution 10°							
312495.00X	L 2248, B 57, H 75	930	4050	47	87	0,6	on/off
312495.00X.76	L 2248, B 57, H 75	930	4050	47	87	0,6	DALI
312495.00X.1	L 2248, B 57, H 75	940	4350	47	93	0,9	on/off
312495.00X.1.76	L 2248, B 57, H 75	940	4350	47	93	0,9	DALI
312498.00X	L 2248, B 57, H 75	930	7200	97	75	2,6	on/off
312498.00X.76	L 2248, B 57, H 75	930	7200	97	75	2,6	DALI
312498.00X.1	L 2248, B 57, H 75	940	7800	97	81	2,9	on/off
312498.00X.1.76	L 2248, B 57, H 75	940	7800	97	81	2,9	DALI
Medium beam light distribution 30°							
312496.00X	L 2248, B 57, H 75	930	3950	47	85	1,5	on/off
312496.00X.76	L 2248, B 57, H 75	930	3950	47	85	1,5	DALI
312496.00X.1	L 2248, B 57, H 75	940	4200	47	90	1,7	on/off
312496.00X.1.76	L 2248, B 57, H 75	940	4200	47	90	1,7	DALI
312499.00X	L 2248, B 57, H 75	930	6950	97	72	3,4	on/off
312499.00X.76	L 2248, B 57, H 75	930	6950	97	72	3,4	DALI
312499.00X.1	L 2248, B 57, H 75	940	7550	97	78	3,7	on/off
312499.00X.1.76	L 2248, B 57, H 75	940	7550	97	78	3,7	DALI
Wide beam light distribution 50°							
312497.00X	L 2248, B 57, H 75	930	4100	47	88	3,5	on/off
312497.00X.76	L 2248, B 57, H 75	930	4100	47	88	3,5	DALI
312497.00X.1	L 2248, B 57, H 75	940	4400	47	94	3,8	on/off
312497.00X.1.76	L 2248, B 57, H 75	940	4400	47	94	3,8	DALI
312500.00X	L 2248, B 57, H 75	930	7250	97	75	5,5	on/off
312500.00X.76	L 2248, B 57, H 75	930	7250	97	75	5,5	DALI
312500.00X.1	L 2248, B 57, H 75	940	7900	97	82	5,8	on/off
312500.00X.1.76	L 2248, B 57, H 75	940	7900	97	82	5,8	DALI



Comparison LED vs. conventional lamps

LED 47 W ≈

1 x 54 W T16 (58 W Psys)

LED 97 W ≈

2 x 49 W T16 (106 W Psys)



Pendant luminaires | LESS IS MORE BEAMLINE

Type of protection: IP 20

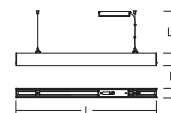
Protection class: I

Impact protection: IK03

Suspension Length: 2000 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. LED unit with integrated converter interchangeable and removable, 2-point steel cable suspension freely positionable and infinitely height-adjustable. Special lengths available on request. Suitable for through-wiring.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 23 W ≈

1 x 28 W T16 (31 W Psys)

LED 48 W ≈

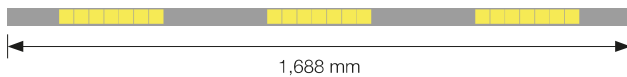
1 x 49 W T16 (53 W Psys)

Luminaire with 2 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							Price Category 21
Luminaire with two LED light units							
Narrow beam light distribution 10°							
	312501.00X	L 1127, B 57, H 75	930	2050	23	90	0,7 on/off
	312501.00X.76	L 1127, B 57, H 75	930	2050	23	90	0,7 DALI
	312501.00X.1	L 1127, B 57, H 75	940	2200	23	96	0,9 on/off
	312501.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	0,9 DALI
	312504.00X	L 1127, B 57, H 75	930	3600	48	75	2,6 on/off
	312504.00X.76	L 1127, B 57, H 75	930	3600	48	75	2,6 DALI
	312504.00X.1	L 1127, B 57, H 75	940	3900	48	82	2,9 on/off
	312504.00X.1.76	L 1127, B 57, H 75	940	3900	48	82	2,9 DALI
Medium beam light distribution 30°							
	312502.00X	L 1127, B 57, H 75	930	1950	23	85	1,4 on/off
	312502.00X.76	L 1127, B 57, H 75	930	1950	23	85	1,4 DALI
	312502.00X.1	L 1127, B 57, H 75	940	2100	23	92	1,7 on/off
	312502.00X.1.76	L 1127, B 57, H 75	940	2100	23	92	1,7 DALI
	312505.00X	L 1127, B 57, H 75	930	3500	48	73	3,4 on/off
	312505.00X.76	L 1127, B 57, H 75	930	3500	48	73	3,4 DALI
	312505.00X.1	L 1127, B 57, H 75	940	3800	48	80	3,7 on/off
	312505.00X.1.76	L 1127, B 57, H 75	940	3800	48	80	3,7 DALI
Wide beam light distribution 50°							
	312503.00X	L 1127, B 57, H 75	930	2050	23	90	3,5 on/off
	312503.00X.76	L 1127, B 57, H 75	930	2050	23	90	3,5 DALI
	312503.00X.1	L 1127, B 57, H 75	940	2200	23	96	3,8 on/off
	312503.00X.1.76	L 1127, B 57, H 75	940	2200	23	96	3,8 DALI
	312506.00X	L 1127, B 57, H 75	930	3650	48	77	5,5 on/off
	312506.00X.76	L 1127, B 57, H 75	930	3650	48	77	5,5 DALI
	312506.00X.1	L 1127, B 57, H 75	940	3950	48	83	5,8 on/off
	312506.00X.1.76	L 1127, B 57, H 75	940	3950	48	83	5,8 DALI

Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							
Price Category 21							
Luminaire with three LED light units							
Narrow beam light distribution 10°							
312513.00X	L 1688, B 57, H 75	930	3000	35	86	0,6	on/off
312513.00X.76	L 1688, B 57, H 75	930	3000	35	86	0,6	DALI
312513.00X.1	L 1688, B 57, H 75	940	3250	35	93	0,9	on/off
312513.00X.1.76	L 1688, B 57, H 75	940	3250	35	93	0,9	DALI
312516.00X	L 1688, B 57, H 75	930	5350	72	75	2,6	on/off
312516.00X.76	L 1688, B 57, H 75	930	5350	72	75	2,6	DALI
312516.00X.1	L 1688, B 57, H 75	940	5800	72	81	2,9	on/off
312516.00X.1.76	L 1688, B 57, H 75	940	5800	72	81	2,9	DALI
Medium beam light distribution 30°							
312514.00X	L 1688, B 57, H 75	930	2900	35	83	1,4	on/off
312514.00X.76	L 1688, B 57, H 75	930	2900	35	83	1,4	DALI
312514.00X.1	L 1688, B 57, H 75	940	3150	35	90	1,7	on/off
312514.00X.1.76	L 1688, B 57, H 75	940	3150	35	90	1,7	DALI
312517.00X	L 1688, B 57, H 75	930	5200	72	73	3,4	on/off
312517.00X.76	L 1688, B 57, H 75	930	5200	72	73	3,4	DALI
312517.00X.1	L 1688, B 57, H 75	940	5600	72	78	3,7	on/off
312517.00X.1.76	L 1688, B 57, H 75	940	5600	72	78	3,7	DALI
Wide beam light distribution 50°							
312515.00X	L 1688, B 57, H 75	930	3050	35	88	3,5	on/off
312515.00X.76	L 1688, B 57, H 75	930	3050	35	88	3,5	DALI
312515.00X.1	L 1688, B 57, H 75	940	3300	35	95	3,8	on/off
312515.00X.1.76	L 1688, B 57, H 75	940	3300	35	95	3,8	DALI
312518.00X	L 1688, B 57, H 75	930	5400	72	75	5,5	on/off
312518.00X.76	L 1688, B 57, H 75	930	5400	72	75	5,5	DALI
312518.00X.1	L 1688, B 57, H 75	940	5850	72	82	5,7	on/off
312518.00X.1.76	L 1688, B 57, H 75	940	5850	72	82	5,7	DALI



Comparison LED vs. conventional lamps

LED 35 W ≈
1 x 35 W T16 (38 W Psys)

LED 72 W ≈
1 x 80 W T16 (86 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct light emission							
Price Category 21							
Luminaire with four LED light units							
Narrow beam light distribution 10°							
312525.00X	L 2248, B 57, H 75	930	4050	47	87	0,6	on/off
312525.00X.76	L 2248, B 57, H 75	930	4050	47	87	0,6	DALI
312525.00X.1	L 2248, B 57, H 75	940	4350	47	93	0,9	on/off
312525.00X.1.76	L 2248, B 57, H 75	940	4350	47	93	0,9	DALI
312528.00X	L 2248, B 57, H 75	930	7200	97	75	2,6	on/off
312528.00X.76	L 2248, B 57, H 75	930	7200	97	75	2,6	DALI
312528.00X.1	L 2248, B 57, H 75	940	7800	97	81	2,9	on/off
312528.00X.1.76	L 2248, B 57, H 75	940	7800	97	81	2,9	DALI
Medium beam light distribution 30°							
312526.00X	L 2248, B 57, H 75	930	3950	47	85	1,5	on/off
312526.00X.76	L 2248, B 57, H 75	930	3950	47	85	1,5	DALI
312526.00X.1	L 2248, B 57, H 75	940	4200	47	90	1,7	on/off
312526.00X.1.76	L 2248, B 57, H 75	940	4200	47	90	1,7	DALI
312529.00X	L 2248, B 57, H 75	930	6950	97	72	3,4	on/off
312529.00X.76	L 2248, B 57, H 75	930	6950	97	72	3,4	DALI
312529.00X.1	L 2248, B 57, H 75	940	7550	97	78	3,7	on/off
312529.00X.1.76	L 2248, B 57, H 75	940	7550	97	78	3,7	DALI
Wide beam light distribution 50°							
312527.00X	L 2248, B 57, H 75	930	4100	47	88	3,5	on/off
312527.00X.76	L 2248, B 57, H 75	930	4100	47	88	3,5	DALI
312527.00X.1	L 2248, B 57, H 75	940	4400	47	94	3,8	on/off
312527.00X.1.76	L 2248, B 57, H 75	940	4400	47	94	3,8	DALI
312530.00X	L 2248, B 57, H 75	930	7250	97	75	5,5	on/off
312530.00X.76	L 2248, B 57, H 75	930	7250	97	75	5,5	DALI
312530.00X.1	L 2248, B 57, H 75	940	7900	97	82	5,8	on/off
312530.00X.1.76	L 2248, B 57, H 75	940	7900	97	82	5,8	DALI



Comparison LED vs. conventional lamps

LED 47 W ≈
1 x 54 W T16 (58 W Psys)

LED 97 W ≈
2 x 49 W T16 (106 W Psys)



Pendant luminaires | LESS IS MORE BEAMLINE

Type of protection: IP 20

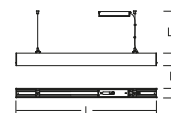
Protection class: I

Impact protection: IK03

Suspension Length: 2000 mm

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with **MRS technology**: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10). Each LED light unit has 7 reflector elements. Three light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use. LED unit with integrated converter interchangeable and removable, 2-point steel cable suspension freely positionable and infinitely height-adjustable. Special lengths available on request. Suitable for through-wiring.

Available colours (X): 2 = white, 3 = black, 4 = silver, 45 = white aluminium



Comparison LED vs. conventional lamps

LED 38 W ≈

1 x 49 W T16 (53 W Psys)

LED 63 W ≈

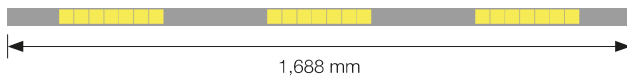
1 x 80 W T16 (86 W Psys)

Luminaire with 2 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct/indirect light emission							Price Category 21
Luminaire with two LED light units							
Narrow beam light distribution 10° - Direct 55%, indirect 45% light emission							
312507.00X	L 1127, B 57, H 75	930	3650	38	97	0,7	on/off
312507.00X.76	L 1127, B 57, H 75	930	3650	38	97	0,7	DALI
312507.00X.1	L 1127, B 57, H 75	940	3850	38	102	0,9	on/off
312507.00X.1.76	L 1127, B 57, H 75	940	3850	38	102	0,9	DALI
Narrow beam light distribution 10° - Direct 67%, indirect 33% light emission							
312510.00X	L 1127, B 57, H 75	930	5200	63	83	3,6	on/off
312510.00X.76	L 1127, B 57, H 75	930	5200	63	83	3,6	DALI
312510.00X.1	L 1127, B 57, H 75	940	5600	63	89	3,8	on/off
312510.00X.1.76	L 1127, B 57, H 75	940	5600	63	89	3,8	DALI
Medium beam light distribution 30° - Direct 55%, indirect 45% light emission							
312508.00X	L 1127, B 57, H 75	930	3600	38	95	1,1	on/off
312508.00X.76	L 1127, B 57, H 75	930	3600	38	95	1,1	DALI
312508.00X.1	L 1127, B 57, H 75	940	3800	38	100	1,3	on/off
312508.00X.1.76	L 1127, B 57, H 75	940	3800	38	100	1,3	DALI
Medium beam light distribution 30° - Direct 67%, indirect 33% light emission							
312511.00X	L 1127, B 57, H 75	930	5100	63	81	4,3	on/off
312511.00X.76	L 1127, B 57, H 75	930	5100	63	81	4,3	DALI
312511.00X.1	L 1127, B 57, H 75	940	5450	63	87	4,5	on/off
312511.00X.1.76	L 1127, B 57, H 75	940	5450	63	87	4,5	DALI
Wide beam light distribution 50° - Direct 55%, indirect 45% light emission							
312509.00X	L 1127, B 57, H 75	930	3650	38	97	3,7	on/off
312509.00X.76	L 1127, B 57, H 75	930	3650	38	97	3,7	DALI
312509.00X.1	L 1127, B 57, H 75	940	3900	38	103	4	on/off
312509.00X.1.76	L 1127, B 57, H 75	940	3900	38	103	4	DALI
Wide beam light distribution 50° - Direct 67%, indirect 33% light emission							
312512.00X	L 1127, B 57, H 75	930	5250	63	84	6,9	on/off
312512.00X.76	L 1127, B 57, H 75	930	5250	63	84	6,9	DALI
312512.00X.1	L 1127, B 57, H 75	940	5600	63	89	7,1	on/off
312512.00X.1.76	L 1127, B 57, H 75	940	5600	63	89	7,1	DALI

Luminaire with 3 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct/indirect light emission							
Price Category 21							
Luminaire with three LED light units							
Narrow beam light distribution 10° - Direct 55%, indirect 45% light emission							
312519.00X	L 1688, B 57, H 75	930	5450	55	100	0,7	on/off
312519.00X.76	L 1688, B 57, H 75	930	5450	55	100	0,7	DALI
312519.00X.1	L 1688, B 57, H 75	940	5800	55	106	0,9	on/off
312519.00X.1.76	L 1688, B 57, H 75	940	5800	55	106	0,9	DALI
Narrow beam light distribution 10° - Direct 67%, indirect 33% light emission							
312522.00X	L 1688, B 57, H 75	930	7700	93	83	3,5	on/off
312522.00X.76	L 1688, B 57, H 75	930	7700	93	83	3,5	DALI
312522.00X.1	L 1688, B 57, H 75	940	8250	93	89	3,8	on/off
312522.00X.1.76	L 1688, B 57, H 75	940	8250	93	89	3,8	DALI
Medium beam light distribution 30° - Direct 55%, indirect 45% light emission							
312520.00X	L 1688, B 57, H 75	930	5300	55	97	1,1	on/off
312520.00X.76	L 1688, B 57, H 75	930	5300	55	97	1,1	DALI
312520.00X.1	L 1688, B 57, H 75	940	5650	55	103	1,3	on/off
312520.00X.1.76	L 1688, B 57, H 75	940	5650	55	103	1,3	DALI
Medium beam light distribution 30° - Direct 67%, indirect 33% light emission							
312523.00X	L 1688, B 57, H 75	930	7500	93	81	4,2	on/off
312523.00X.76	L 1688, B 57, H 75	930	7500	93	81	4,2	DALI
312523.00X.1	L 1688, B 57, H 75	940	8050	93	87	4,4	on/off
312523.00X.1.76	L 1688, B 57, H 75	940	8050	93	87	4,4	DALI
Wide beam light distribution 50° - Direct 55%, indirect 45% light emission							
312521.00X	L 1688, B 57, H 75	930	5450	55	100	3,7	on/off
312521.00X.76	L 1688, B 57, H 75	930	5450	55	100	3,7	DALI
312521.00X.1	L 1688, B 57, H 75	940	5850	55	107	4	on/off
312521.00X.1.76	L 1688, B 57, H 75	940	5850	55	107	4	DALI
Wide beam light distribution 50° - Direct 67%, indirect 33% light emission							
312524.00X	L 1688, B 57, H 75	930	7750	93	84	6,8	on/off
312524.00X.76	L 1688, B 57, H 75	930	7750	93	84	6,8	DALI
312524.00X.1	L 1688, B 57, H 75	940	8300	93	90	7,1	on/off
312524.00X.1.76	L 1688, B 57, H 75	940	8300	93	90	7,1	DALI



Comparison LED vs. conventional lamps

LED 55 W ≈
1 x 80 W T16 (86 W Psys)

LED 93 W ≈
2 x 54 W T16 (115 W Psys)

Luminaire with 4 LED light units



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - Direct/indirect light emission							
Price Category 21							
Luminaire with four LED light units							
Narrow beam light distribution 10° - Direct 55%, indirect 45% light emission							
312531.00X	L 2248, B 57, H 75	930	7300	76	97	0,7	on/off
312531.00X.76	L 2248, B 57, H 75	930	7300	76	97	0,7	DALI
312531.00X.1	L 2248, B 57, H 75	940	7700	76	102	0,9	on/off
312531.00X.1.76	L 2248, B 57, H 75	940	7700	76	102	0,9	DALI
Narrow beam light distribution 10° - Direct 67%, indirect 33% light emission							
312534.00X	L 2248, B 57, H 75	930	10400	126	83	3,6	on/off
312534.00X.76	L 2248, B 57, H 75	930	10400	126	83	3,6	DALI
312534.00X.1	L 2248, B 57, H 75	940	11200	126	89	3,8	on/off
312534.00X.1.76	L 2248, B 57, H 75	940	11200	126	89	3,8	DALI
Medium beam light distribution 30° - Direct 55%, indirect 45% light emission							
312532.00X	L 2248, B 57, H 75	930	7150	76	95	1,1	on/off
312532.00X.76	L 2248, B 57, H 75	930	7150	76	95	1,1	DALI
312532.00X.1	L 2248, B 57, H 75	940	7550	76	100	1,3	on/off
312532.00X.1.76	L 2248, B 57, H 75	940	7550	76	100	1,3	DALI
Medium beam light distribution 30° - Direct 67%, indirect 33% light emission							
312535.00X	L 2248, B 57, H 75	930	10200	126	81	4,3	on/off
312535.00X.76	L 2248, B 57, H 75	930	10200	126	81	4,3	DALI
312535.00X.1	L 2248, B 57, H 75	940	10900	126	87	4,5	on/off
312535.00X.1.76	L 2248, B 57, H 75	940	10900	126	87	4,5	DALI
Wide beam light distribution 50° - Direct 55%, indirect 45% light emission							
312533.00X	L 2248, B 57, H 75	930	7350	76	97	3,8	on/off
312533.00X.76	L 2248, B 57, H 75	930	7350	76	97	3,8	DALI
312533.00X.1	L 2248, B 57, H 75	940	7750	76	102	4	on/off
312533.00X.1.76	L 2248, B 57, H 75	940	7750	76	102	4	DALI
Wide beam light distribution 50° - Direct 67%, indirect 33% light emission							
312536.00X	L 2248, B 57, H 75	930	10400	126	83	6,8	on/off
312536.00X.76	L 2248, B 57, H 75	930	10400	126	83	6,8	DALI
312536.00X.1	L 2248, B 57, H 75	940	11200	126	89	7,1	on/off
312536.00X.1.76	L 2248, B 57, H 75	940	11200	126	89	7,1	DALI



Comparison LED vs. conventional lamps

LED 76 W ≈
2 x 49 W T16 (106 W Psys)

LED 126 W ≈
2 x 80 W T16 (177 W Psys)



LESS IS MORE® - SYSTEMS

Pendant luminaires, recessed ceiling and wall luminaires, ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Light perfectly integrated into the architectural environment.
- **Straightforward:** Continuous line of light up to 50 m.
- **Versatile:** Different forms can be configured.

LIGHTING DESIGN

- **Flexible:** As aesthetically sophisticated general lighting (corridors, hotel, shops, private areas) or accentuated lighting.
- **Configurable:** Straightforward system planning with the LOUI Configurator.

INSTALLATION

- **Optimum:** Gapless, mechanical and electrical connection.



LESS IS MORE® - SYSTEMS

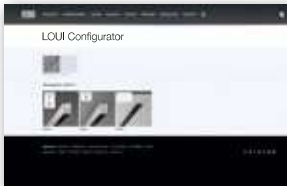
Configurator



First step: Choose your Less is more version. Than...



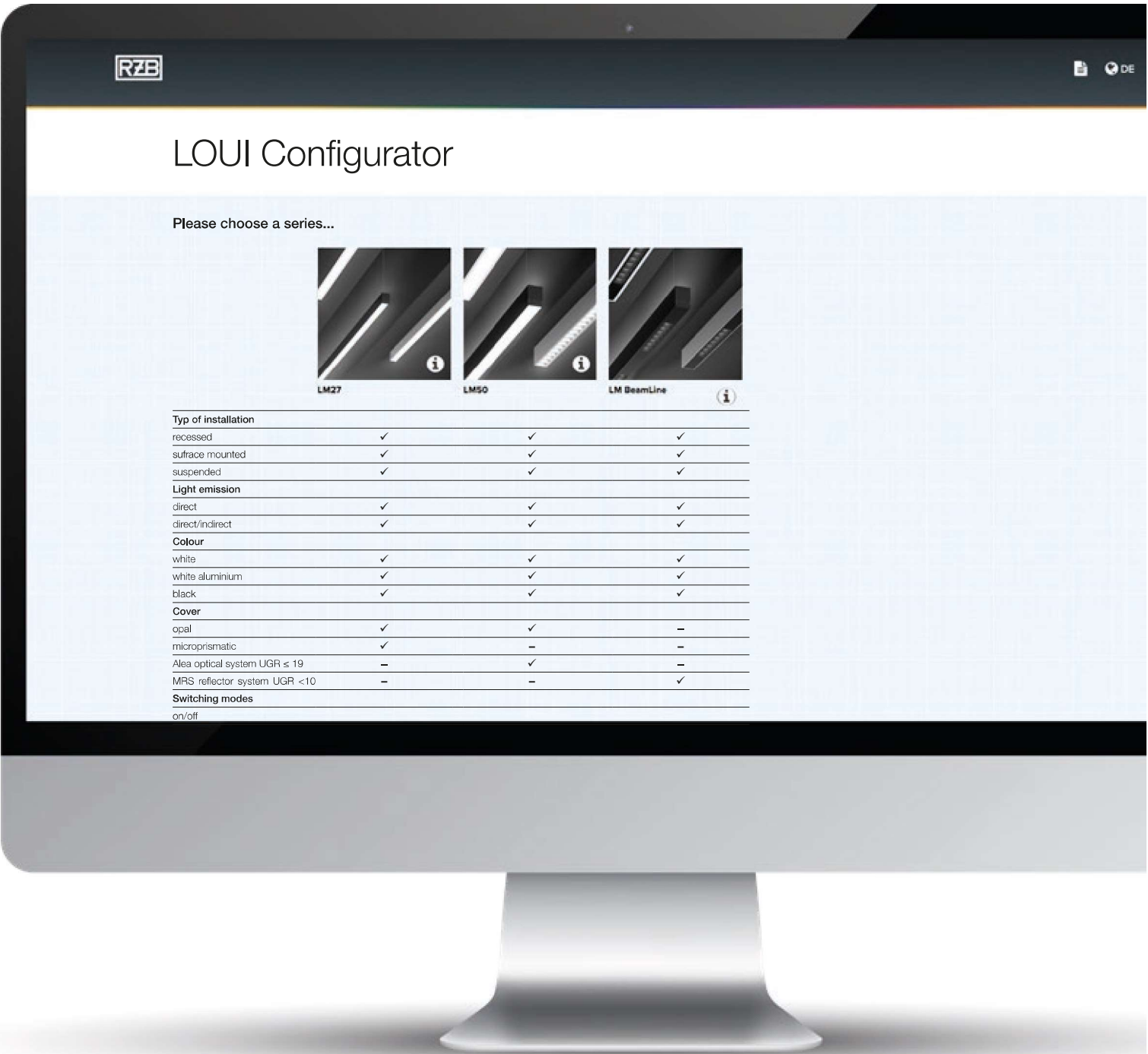
...LOUI design...



...installation type...



...profile colour...



5



...cover/diffuser...

6



...LED Power...

7



...switching mode...

8



...and colour temperature.

9



Determine dimensions for the desired design - only feasible dimensions are suggested.

The LOUI configurator

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.
- ✓ Including the ROLFZ file of your configured system for your planning in RELUX!

Result

Art. no. 1K-LM1034-00000001

2.382,00 € net

excl. 19% VAT (shipping costs may apply)

2.834,58 €

Show price information for Deutschland ▾

INQUIRE PRINT DXF DRAWING ROLFZ INSTRUCTION

To view the DXF-file, you can use these online viewers:

[Autodesk A360](#)

[etoolbox Mobile CAD Viewer](#)

DESCRIPTION

Less is more BeamLine Systems
Ceiling luminaire, MRS-Technology
Color: black

Anti glare frame: black
Light distribution: medium wide 30°
CRI: ≥ 90

Luminous flux: ca. 2000 lm/m

Type of protection: IP 20

Protection class: I

Color temperature: 4000 K

Dimmable: DALI

LED rated life: 50.000 L80B10

Housing: extruded aluminium profile, powder-coated. End cap aluminium powder-coated. LED light unit with MRS technology: Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR < 10).

...ready for planning!

10

▶ Start playing: rzb.de/loui



LESS IS MORE® 27 - SYSTEMS

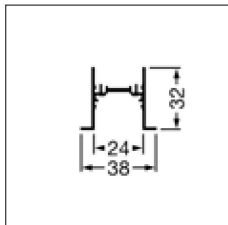
Details at a glance



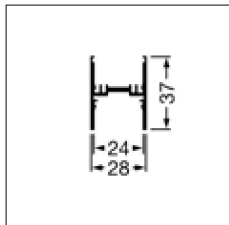
The LED system with slim design

- Continuous line of light up to 50 m
- Version with micro-grid is suitable for office areas (UGR ≤ 19) and environments with computer screens in accordance with EN 12464-1
- External driver with connecting cable
- Luminous fluxes up to 3000 lm/m
- LED rated life 60,000 h (L80, B10)

recessed



pendant | surface mounted



LESS IS MORE 27 - Systems

Type of installation	
recessed	✓
surface mounted	✓
suspended	✓
Light emission	
direct	✓
direct/indirect	✓
Colour	
white	✓
silver	✓
black	✓
Cover	
opal	✓
microprismatic	✓
micro-grid (UGR ≤ 19)	✓
Alea optical system (UGR ≤ 19)	-
MRS technology (UGR < 10)	-
Switching modes	
on/off	✓
DALI	✓
Light colours	
830, 840	✓
930, 940	-
Driver	
external	✓
internally	-
Forms	
„LOUI“	✓
„ΔZ“	on request

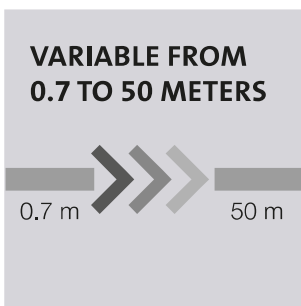
Types of installation



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.

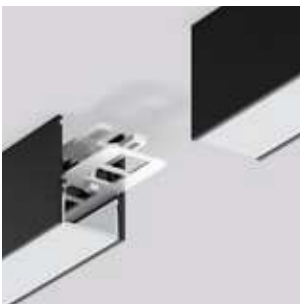
This would always offer you the desired length in the project.

End cap



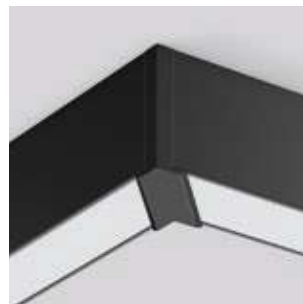
Since the end cap is suitable for all profiles and covers, your system has a finish without any light leakage.

Connection



Gapless, mechanical and electrical connection

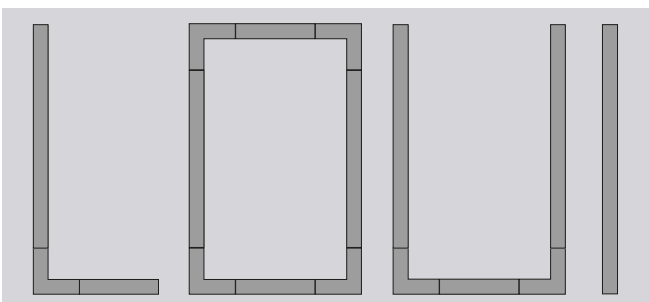
The mechanical connection between the individual profiles guarantees stability and safety. This is invisibly integrated in the profile, so that an uninterrupted light line without light leakage is created.



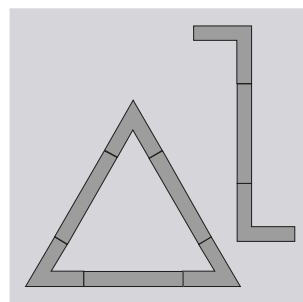
Cross-profile corner mounting

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

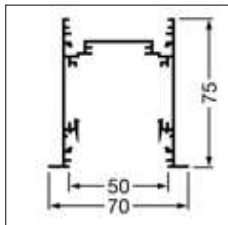
Details at a glance



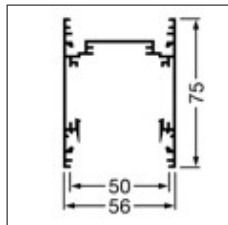
The LED system reduced to the essentials

- 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 ($UGR \leq 19$) and environments with computer screens in accordance with EN 12464-1

recessed



pendant | surface mounted



LESS IS MORE 50 - Systems

Type of installation

recessed	✓
surface mounted	✓
suspended	✓

Light emission

direct	✓
direct/indirect	✓

Colour

white	✓
silver	✓
black	✓

Cover

opal	✓
microprismatic	-
micro-grid ($UGR \leq 19$)	-
Alea optical system ($UGR \leq 19$)	✓
MRS technology ($UGR < 10$)	-

Switching modes

on/off	✓
DALI	✓

Light colours

830, 840	✓
930, 940	-

Driver

extea external m	-
internally	✓

Forms

„LOUI“	✓
„ΔZ“	-

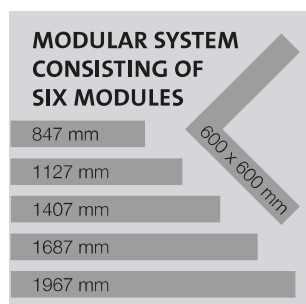
Types of installation



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.

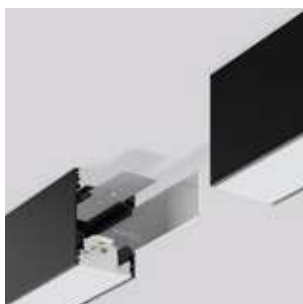
This means that you always get the length you need for your project.

End cap



The profile flush end cap gives the system a smooth and elegant finish.

Connection



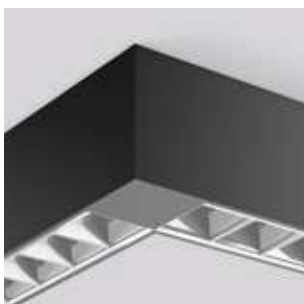
Gapless, mechanical and electrical connection

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.



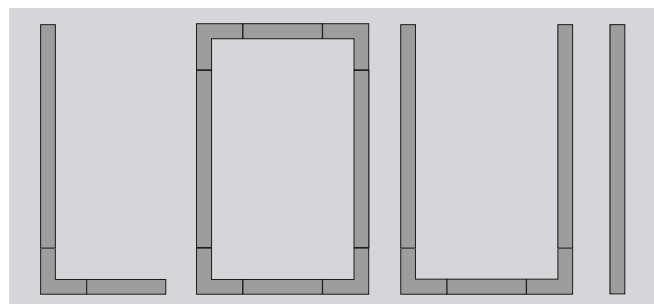
Cross-profile corner mounting

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 optical system.

Design examples



LESS IS MORE® BEAMLINE - SYSTEMS

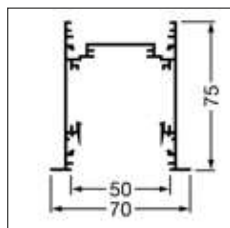
Details at a glance



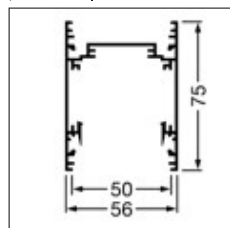
The LED system for aesthetically sophisticated lighting

- Light line up to 50 m
- MRS technology for pleasant, glare-free lighting (UGR <10)
- Three different light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use
- Darklight effect
- Replaceable LED unit
- Integrierte Durchgangsverdrahtung
- Integral driver
- Luminous fluxes up to 5000 lm/m
- LED rated life 50,000 h (L80, B10)
- Colour rendering index Ra ≥ 90

recessed



pendant | surface mounted



LESS IS MORE BEAMLINE - Systems

Typ of installation

recessed	✓
surface mounted	✓
suspended	✓

Light emission

direct	✓
direct/indirect	✓

Colour (Profile/Optic)

white/black	✓
silver/black	✓
black/black	✓
white/white	✓

Cover

opal	-
microprismatic	-
micro-grid (UGR ≤ 19)	-
Alea optical system (UGR ≤ 19)	-
MRS technology (UGR <10)	✓

Switching modes

on/off	✓
DALI	✓

Light colours

830, 840	-
930, 940	✓

Driver

external	-
internally	✓

Forms

„LOUI“	✓
„ΔZ“	-

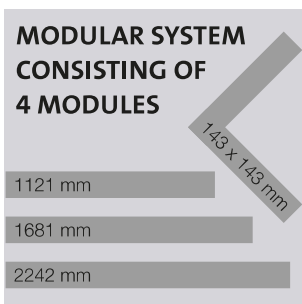
Types of installation



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 four different lengths, all system sizes can be assembled.

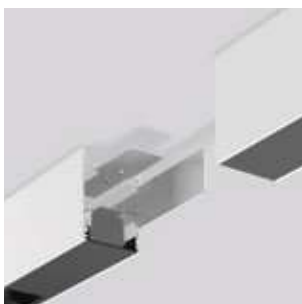
This means that you always get the length you need for your project.

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.

Lighting technology



MRS technology

Mini-Reflector-System made of metallised thermoplastic with prismatic black glare-suppressing frame for pleasant glare-free light (UGR <10).



MRS technology

Mini-Reflector-System with white glare-suppressing frame.



Light distribution

Three different light distribution options (narrow, medium-wide and wide beam) for maximum flexibility in use.



The application image shows:
FLAT POLYMER KREIS SLIM

© Simon Menges



173-175

FLAT SLIM round
170-175



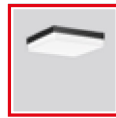
176-177

FLAT SLIM disc
170-172 | 176-177



178-179

FLAT SLIM step
170-172 | 178-179



180-181

FLAT SLIM square
170-172 | 180-181



189-190

FLAT POLYMERO KREIS SLIM
184-191



193



194-195

FLAT POLYMERO KREIS
184-187 | 192-195



199



200-203

FLAT POLYMERO
196-203



205-206

FLAT POLYMERO IP44
196-197 | 204-207



209-210

FLAT BASIC
208-210



















211

RING OF FIRE
211

Overview - Decorative ceiling and wall luminaires

This table provides an overview of the variety of decorative ceiling and wall luminaire series from RZB: made of fine glass or robust plastic, in different sizes and with different fittings, there is a suitable luminaire in the range for almost every application.

		FLAT SLIM round				FLAT SLIM disc			FLAT SLIM step			FLAT SLIM square	
													
Diffuser		3-layer opal glass matt PMMA/PC				3-layer opal glass matt			3-layer opal glass matt			matt or high-polish crystal glass	
Shockproof diffuser (polycarbonate)		✓											
Base		pressure die-cast aluminium				pressure die-cast aluminium			pressure die-cast aluminium			pressure die-cast aluminium	
Type of protection		IP 65				IP 65 / IP 20			IP 65			IP 65 / IP 40	
Dimensions [mm]		230	300	400	480	380	480	560	350	450	530	300 x 300	
MultiLumen		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MultiColour		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Phase-cut		✓											
DALI		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Casambi smart+free*		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
TouchDIM		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Corridor Function		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Movement sensor		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Master-Slave system		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Bluetooth® Mesh		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Available as emergency luminaire													
More information on page		173-175				176-177			178-179			180-181	

* Module, for retrofitting DALI luminaires, also available separately in the chapter on Lighting management.

FLAT POLYMERO KREIS SLIM	FLAT POLYMERO KREIS	FLAT POLYMERO	FLAT POLYMERO IP 44	FLAT BASIC
				
PMMA / PC	PMMA / PC	PMMA / PC	PMMA / PC	3-layer opal glass matt
✓	✓	✓	✓	
metal	metal	metal	plastic	plastic
IP 40	IP 40	IP 40	IP 44 / IP 43	IP 44 / IP 43
300 360 460 515	300 360 460 515 1040	300 360 460 515 620 1040	305 420	250 300 370 420 500
✓ ✓ ✓ ✓		✓ ✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓	✓ ✓	✓ ✓ ✓
✓ ✓		✓ ✓	✓ ✓	✓ ✓
✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓	✓ ✓
✓ ✓		✓ ✓	✓ ✓	✓ ✓
✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓		
189-190	193-195	199-203	205-206	209-210

FLAT SLIM

Everything at a glance

MultiLumen version:

2 steps adjustable luminous flux

Thanks to the switch in the luminaire the lumen output can easily be changed even after installation.



MultiColour version:

Colour temperature (3000 K or 4000 K)
individually adjustable switching element (round)
or adjustable via jumper (square).



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



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.



Variants with motion sensor.



The luminaire with sensor (master) controls several other luminaires without sensor.



HF motion detector with integrated corridor function.

HF motion detector with **Bluetooth® interfaces** and DALI broadcast interfaces for switching, dimming and networking from individual luminaires. **Mesh sensors** create a wireless connection between each other. This allows for flexible configuration via smartphone or tablet.



The corridor function allows the luminaires to be configured so that they have a residual brightness of 10% when no more movement is detected.

2 Designs

round
square





No disposable luminaire thanks to replaceable components.

IP65

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

Housing: pressure die-cast aluminium, powder-coated.



Very easy plug-in installation. Diffuser can be assembled without the use of tools.

4 Variants



FLAT SLIM round
Ø 230, 300, 400, 480 mm



FLAT SLIM disc
Ø 380, 480, 560 mm



FLAT SLIM step
Ø 350, 450, 530 mm



FLAT SLIM square
300 x 300 mm

5 Diffusers



FLAT SLIM round
Three layer opal glass satin finish
PC
PMMA



FLAT SLIM disc
Three layer opal glass satin finish



FLAT SLIM step
Three layer opal glass satin finish



FLAT SLIM square
Matt crystal glass
High-polish crystal glass



FLAT SLIM

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** 2 designs, 5 sizes, 3 types of installation, 5 diffusers, 3 colours.
- **Individual:** Round diffuser made of mouth-blown 3-layer opal glass (Triplex glass) with satin finish or opal plastic (PMMA/PC), square diffuser made of matt or gloss crystal glass.
- **Applicable:** Suitable for indoor and outdoor use.
- **Integrated:** Standard Gore™ Protective Vents diaphragm valve to avoid condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Uniform:** Particularly homogeneous, soft and glare-free light thanks to the use of large size LED boards.
- **Efficient:** Versions with movement sensor.
- **Smart Lighting:** HF motion detector with DALI and Bluetooth® interfaces for switching, dimming and networking from individual luminaires up to complex light installations.

INSTALLATION

- **Easy installation:** Installation could not be easier thanks to Plug & Play.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Advantageous:** Big terminal block; ideal for through-wiring.
- **Standard:** Suitable for through-wiring.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



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

Ceiling and wall luminaires | FLAT SLIM round

Type of protection: **IP 65**

Protection class: I

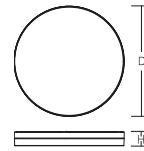
Impact protection: IK03 (GLass), IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.**MultiColour:** Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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

Versions with Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						
Diffuser: glass						
D 230 mm						
312132.00X */**	D 230, H 63	830	1000	12	83	Phase-cut
312132.00X.76 */***	D 230, H 63	830	1000	12	83	DALI
312132.00X.1 */**	D 230, H 63	840	1000	11	91	Phase-cut
312132.00X.1.76 */***	D 230, H 63	840	1000	13	77	DALI
D 300 mm						
312629.00X	D 300, H 70	830, 840	1250...2500	13...26	100	on/off
312629.00X.76	D 300, H 70	830, 840	1250...2500	13...26	100	DALI
312629.00X.730	D 300, H 70	830, 840	1250...2500	13...26	100	smart+free
D 400 mm						
312631.00X	D 400, H 70	830, 840	2450...4000	25...41	100	on/off
312631.00X.76	D 400, H 70	830, 840	2450...4000	25...41	100	DALI
312631.00X.730	D 400, H 70	830, 840	2450...4000	25...41	100	smart+free
D 480 mm						
312633.00X	D 480, H 70	830, 840	3350...5000	31...48	113	on/off
312633.00X.76	D 480, H 70	830, 840	3350...5000	31...48	113	DALI
312633.00X.730	D 480, H 70	830, 840	3350...5000	31...48	113	smart+free
Diffuser: plastic (PMMA)						
D 230 mm						
312135.00X */**	D 230, H 63	830	1150	12	96	Phase-cut
312135.00X.76 */***	D 230, H 63	830	1150	12	96	DALI
312135.00X.1 */**	D 230, H 63	840	1100	11	100	Phase-cut
312135.00X.1.76 */***	D 230, H 63	840	1100	13	85	DALI
D 300 mm						
312630.00X	D 300, H 70	830, 840	1300...2450	11...20	123	on/off
312630.00X.76	D 300, H 70	830, 840	1300...2450	11...20	123	DALI
312630.00X.730	D 300, H 70	830, 840	1300...2450	11...20	123	smart+free
D 400 mm						
312632.00X	D 400, H 70	830, 840	2400...4150	20...33	130	on/off
312632.00X.76	D 400, H 70	830, 840	2400...4150	20...33	130	DALI
312632.00X.730	D 400, H 70	830, 840	2400...4150	20...33	130	smart+free
D 480 mm						
312634.00X	D 480, H 70	830, 840	3450...5150	26...39	138	on/off
312634.00X.76	D 480, H 70	830, 840	3450...5150	26...39	138	DALI
312634.00X.730	D 480, H 70	830, 840	3450...5150	26...39	138	smart+free
Diffuser: plastic (polycarbonate)						
D 230 mm						
312135.00X.2 */**	D 230, H 63	830	1300	12	108	Phase-cut
312135.00X.2.76 */***	D 230, H 63	830	1300	12	108	DALI
312135.00X.3 */**	D 230, H 63	840	1300	11	118	Phase-cut
312135.00X.3.76 */***	D 230, H 63	840	1300	13	100	DALI
D 300 mm						
312630.00X.1	D 300, H 70	830, 840	1450...2450	11...18	136	on/off
312630.00X.1.76	D 300, H 70	830, 840	1450...2450	11...18	136	DALI
312630.00X.1.730	D 300, H 70	830, 840	1450...2450	11...18	136	smart+free
D 400 mm						
312632.00X.1	D 400, H 70	830, 840	2450...4100	18...29	141	on/off
312632.00X.1.76	D 400, H 70	830, 840	2450...4100	18...29	141	DALI
312632.00X.1.730	D 400, H 70	830, 840	2450...4100	18...29	141	smart+free
D 480 mm						
312634.00X.1	D 480, H 70	830, 840	3500...5150	24...35	152	on/off
312634.00X.1.76	D 480, H 70	830, 840	3500...5150	24...35	152	DALI
312634.00X.1.730	D 480, H 70	830, 840	3500...5150	24...35	152	smart+free

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Comparison
LED vs. conventional lamps

LED 11 / 13 W ≈
1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈
2 x 26 W TC-D (68 W Psys)

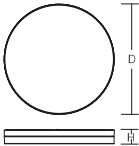
LED 24 / 26 / 31 W ≈
3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈
4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈
2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM round - movement sensor DALI/BT

Type of protection: **IP 65**
Protection class: **I**
Impact protection: **IK03** (GLass), **IK02** (PMMA), **IK08** (Polycarbonate)
Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.
MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.
MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.
Available colours (X): 2 = white, 31 = anthracite, 4 = silver



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5,8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffusor.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						Price Category 11
Diffuser: glass						
312629.00X.19	D 300, H 70	830, 840	1250...2500	13...26	100	Sensor
312631.00X.19	D 400, H 70	830, 840	2450...4000	25...41	100	Sensor
312633.00X.19	D 480, H 70	830, 840	3350...5000	31...48	113	Sensor
Diffuser: plastic (PMMA)						
312630.00X.19	D 300, H 70	830, 840	1300...2450	11...20	123	Sensor
312632.00X.19	D 400, H 70	830, 840	2400...4150	20...33	130	Sensor
312634.00X.19	D 480, H 70	830, 840	3450...5150	26...39	138	Sensor
Diffuser: plastic (polycarbonate)						
312630.00X.1.19	D 300, H 70	830, 840	1450...2450	11...18	136	Sensor
312632.00X.1.19	D 400, H 70	830, 840	2450...4100	18...29	141	Sensor
312634.00X.1.19	D 480, H 70	830, 840	3500...5150	24...35	152	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Ceiling and wall luminaires | FLAT SLIM round - movement sensor on/offType of protection: **IP 65**

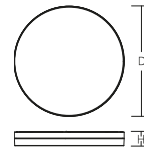
Protection class: I

Impact protection: IK03 (GLass), IK02 (PMMA), IK08 (Polycarbonate)

Base: pressure die-cast aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.**MultiColour:** Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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

**Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:**

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffuser.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						
Diffuser: glass						
312673.00X.19	D 300, H 70	830, 840	1250...2500	13...26	100	Sensor
312675.00X.19	D 400, H 70	830, 840	2450...4000	25...41	100	Sensor
312677.00X.19	D 480, H 70	830, 840	3350...5000	31...48	113	Sensor
Diffuser: plastic (PMMA)						
312674.00X.19	D 300, H 70	830, 840	1300...2450	11...20	123	Sensor
312676.00X.19	D 400, H 70	830, 840	2400...4150	20...33	130	Sensor
312678.00X.19	D 480, H 70	830, 840	3450...5150	26...39	138	Sensor
Diffuser: plastic (polycarbonate)						
312674.00X.1.19	D 300, H 70	830, 840	1450...2450	11...18	136	Sensor
312676.00X.1.19	D 400, H 70	830, 840	2450...4100	18...29	141	Sensor
312678.00X.1.19	D 480, H 70	830, 840	3500...5150	24...35	152	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.**Comparison LED vs. conventional lamps****LED 11 / 13 W ≈**

1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈

2 x 26 W TC-D (68 W Psys)

LED 24 / 26 / 31 W ≈

3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈

4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈

2 x 57 W TC-TEL (116 W Psys)

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

- HF detector 24 GHz with integrated corridor function
- Coverage: 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						
Glass						
312132.00X.19 *	D 230, H 63	830	1000	12	83	Master on/off
312132.00X.191 *	D 230, H 63	830	1000	13	77	Slave on/off
312132.00X.1.19 *	D 230, H 63	840	1000	12	83	Master on/off
312132.00X.1.191 *	D 230, H 63	840	1000	13	77	Slave on/off
Diffuser: plastic (PMMA)						
312135.00X.19 *	D 230, H 63	830	1150	12	96	Master on/off
312135.00X.191 *	D 230, H 63	830	1150	13	88	Slave on/off
312135.00X.1.19 *	D 230, H 63	840	1100	12	92	Master on/off
312135.00X.1.191 *	D 230, H 63	840	1100	13	85	Slave on/off
Diffuser: plastic (polycarbonate)						
312135.00X.2.19 *	D 230, H 63	830	1300	12	108	Master on/off
312135.00X.2.191 *	D 230, H 63	830	1300	13	100	Slave on/off
312135.00X.3.19 *	D 230, H 63	840	1300	12	108	Master on/off
312135.00X.3.191 *	D 230, H 63	840	1300	13	100	Slave on/off

* With mains voltage LED



Applies to versions with .19

**Comparison LED vs. conventional lamps****LED 12 / 13 W ≈**

1 x 26 W TC-D (34 W Psys)



Applies to
versions
with .76

Comparison LED vs. conventional lamps

LED 11 W ≈

1 x 26 W TC-D (34 W P_{sys})

LED 24 / 25 W ≈

2 x 26 W TC-D (68 W P_{sys})

LED 30 W ≈

3 x 26 W TC-D (102 W P_{sys})

LED 41 W ≈

4 x 26 W TC-D (136 W P_{sys})

LED 44 W ≈

2 x 57 W TC-TEL (116 W P_{sys})

Ceiling and wall luminaires | FLAT SLIM disc

Type of protection: IP 20 (D 560 mm), IP 65

Protection class: I

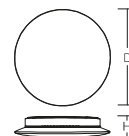
Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						
D 380 mm						
312638.00X	D 380, H 70	830, 840	1150...2500	11...24	105	on/off
312638.00X.76	D 380, H 70	830, 840	1150...2500	11...24	105	DALI
312638.00X.730	D 380, H 70	830, 840	1150...2500	11...24	105	smart+free
D 480 mm						
312639.00X	D 480, H 70	830, 840	2450...4000	25...41	100	on/off
312639.00X.76	D 480, H 70	830, 840	2450...4000	25...41	100	DALI
312639.00X.730	D 480, H 70	830, 840	2450...4000	25...41	100	smart+free
D 560 mm						
312640.00X	D 560, H 70	830, 840	3500...5150	30...44	120	on/off
312640.00X.76	D 560, H 70	830, 840	3500...5150	30...44	120	DALI
312640.00X.730	D 560, H 70	830, 840	3500...5150	30...44	120	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Price Category 11



Ceiling and wall luminaires | FLAT SLIM disc - movement sensor DALI/BT

Type of protection: IP 20 (D 560 mm), IP 65

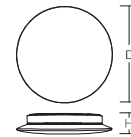
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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



Applies to versions with .19


Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffuser.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						Price Category 11
312638.00X.19	D 380, H 70	830, 840	1150...2500	11...24	105	Sensor
312639.00X.19	D 480, H 70	830, 840	2450...4000	25...41	100	Sensor
312640.00X.19	D 560, H 70	830, 840	3500...5150	30...44	120	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps
LED 11 W ≈

1 x 26 W TC-D (34 W Psys)

LED 24 / 25 W ≈

2 x 26 W TC-D (68 W Psys)

LED 30 W ≈

3 x 26 W TC-D (102 W Psys)

LED 41 W ≈

4 x 26 W TC-D (136 W Psys)

LED 44 W ≈

2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM disc - movement sensor on/off

Type of protection: IP 20 (D 560 mm), IP 65

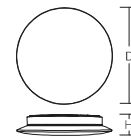
Protection class: I

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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


Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffuser.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						Price Category 11
312682.00X.19	D 380, H 70	830, 840	1150...2500	11...24	105	Sensor
312683.00X.19	D 480, H 70	830, 840	2450...4000	25...41	100	Sensor
312684.00X.19	D 560, H 70	830, 840	3500...5150	30...44	120	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps
LED 11 W ≈

1 x 26 W TC-D (34 W Psys)

LED 24 / 25 W ≈

2 x 26 W TC-D (68 W Psys)

LED 30 W ≈

3 x 26 W TC-D (102 W Psys)

LED 41 W ≈

4 x 26 W TC-D (136 W Psys)

LED 44 W ≈

2 x 57 W TC-TEL (116 W Psys)



Comparison LED vs. conventional lamps	
LED 11 W ≈	
1 x 26 W TC-D (34 W Psys)	
LED 22 / 24 W ≈	
2 x 26 W TC-D (68 W Psys)	
LED 28 W ≈	
3 x 26 W TC-D (102 W Psys)	
LED 38 W ≈	
4 x 26 W TC-D (136 W Psys)	
LED 40 W ≈	
2 x 57 W TC-TEL (116 W Psys)	

Ceiling and wall luminaires | FLAT SLIM step

Type of protection: **IP 65**
Protection class: **I**

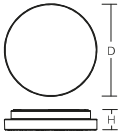
Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						
D 350 mm						
312635.00X	D 350, H 70	830, 840	1200...2500	11...22	114	on/off
312635.00X.76	D 350, H 70	830, 840	1200...2500	11...22	114	DALI
312635.00X.730	D 350, H 70	830, 840	1200...2500	11...22	114	smart+free
D 450 mm						
312636.00X	D 450, H 70	830, 840	2450...4150	24...38	109	on/off
312636.00X.76	D 450, H 70	830, 840	2450...4150	24...38	109	DALI
312636.00X.730	D 450, H 70	830, 840	2450...4150	24...38	109	smart+free
D 530 mm						
312637.00X	D 530, H 70	830, 840	3500...5000	28...40	129	on/off
312637.00X.76	D 530, H 70	830, 840	3500...5000	28...40	129	DALI
312637.00X.730	D 530, H 70	830, 840	3500...5000	28...40	129	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Ceiling and wall luminaires | FLAT SLIM step - movement sensor DALI/BT

 Type of protection: **IP 65**

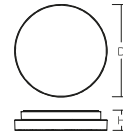
 Protection class: **I**

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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



Applies to versions with .19


Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffuser.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						Price Category 11
312635.00X.19	D 350, H 70	830, 840	1200...2500	11...22	114	Sensor
312636.00X.19	D 450, H 70	830, 840	2450...4150	24...38	109	Sensor
312637.00X.19	D 530, H 70	830, 840	3500...5000	28...40	129	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps
LED 11 W ≈

1 x 26 W TC-D (34 W Psys)

LED 22 / 24 W ≈

2 x 26 W TC-D (68 W Psys)

LED 28 W ≈

3 x 26 W TC-D (102 W Psys)

LED 38 W ≈

4 x 26 W TC-D (136 W Psys)

LED 40 W ≈

2 x 57 W TC-TEL (116 W Psys)

Ceiling and wall luminaires | FLAT SLIM step - movement sensor on/off

 Type of protection: **IP 65**

 Protection class: **I**

Base: pressure die-cast aluminium, powder-coated. Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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


Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffuser.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated movement sensor						Price Category 11
312679.00X.19	D 350, H 70	830, 840	1200...2500	11...22	114	Sensor
312680.00X.19	D 450, H 70	830, 840	2450...4150	24...38	109	Sensor
312681.00X.19	D 530, H 70	830, 840	3500...5000	28...40	129	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps
LED 11 W ≈

1 x 26 W TC-D (34 W Psys)

LED 22 / 24 W ≈

2 x 26 W TC-D (68 W Psys)

LED 28 W ≈

3 x 26 W TC-D (102 W Psys)

LED 38 W ≈

4 x 26 W TC-D (136 W Psys)

LED 40 W ≈

2 x 57 W TC-TEL (116 W Psys)



reddot winner 2021



Applies to
versions
with .76

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈

1 x 26 W TC-D (34 W P_{sys})

LED 19 / 21 W ≈

2 x 26 W TC-D (68 W P_{sys})

Ceiling and wall luminaires | FLAT SLIM square

Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting

Protection class: I

Impact protection: IK07

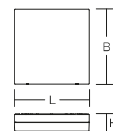
Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

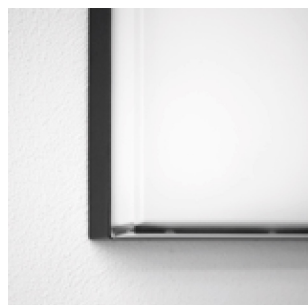
Available colours (X): 2 = white, 31 = anthracite, 4 = silver

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

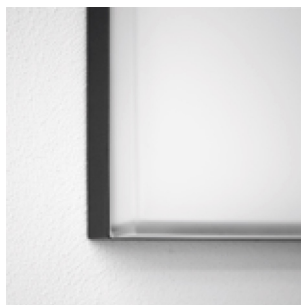


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						Price Category 11
Diffuser: high-polish crystal glass						
312538.00X	L 300, B 300, H 67	830, 840	1250...2200	12...19	116	on/off
312538.00X.76	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	DALI
312538.00X.730	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	smart+free
Diffuser: matt crystal glass						
312537.00X	L 300, B 300, H 67	830, 840	1300...2300	12...19	121	on/off
312537.00X.76	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	DALI
312537.00X.730	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Diffuser: high-polish crystal glass



Diffuser: matt crystal glass



Ceiling and wall luminaires | FLAT SLIM square - movement sensor DALI/BT

Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting

Protection class: I

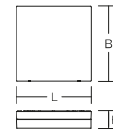
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

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



Applies to versions with .19



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz with integrated corridor function.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffuser.
- Hold time, daylight threshold and sensitivity adjustable via app.
- Sensors can be networked via Bluetooth®.

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated HF movement sensor						
Diffuser: high-polish crystal glass						
312669.00X.19	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	Sensor
Diffuser: matt crystal glass						
312671.00X.19	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 21 W ≈

2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT SLIM square - movement sensor on/off

Type of protection: **IP 65** wall mounting, **IP 40** ceiling mounting

Protection class: I

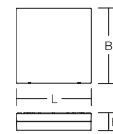
Impact protection: IK07

Base: pressure die-cast aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder-coated, bonded. Diffuser attached with clip system. Base fixing slots outside of gasketed area, drill hole deviations can be compensated. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. Big terminal block; ideal for through-wiring. Through-wiring as standard for further luminaires.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

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



Functional parameters of the motion detector for ceiling mounting up to 4.0 m or wall mounting up to 2.5 m:

- HF detector 5.8 GHz.
- Detection angle 30°-150°.
- Detection range up to 6 m radial, depending on mounting situation and diffuser.
- Hold time, daylight threshold and sensitivity adjustable via dip switch.
- As master luminaire switchable up to 400 W (resistive load), 300 VA (LED).

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires with integrated HF movement sensor						
Diffuser: high-polish crystal glass						
312665.00X.19	L 300, B 300, H 67	830, 840	1300...2300	13...21	110	Sensor
Diffuser: matt crystal glass						
312667.00X.19	L 300, B 300, H 67	830, 840	1350...2400	13...21	114	Sensor

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 21 W ≈

2 x 26 W TC-D (68 W Psys)





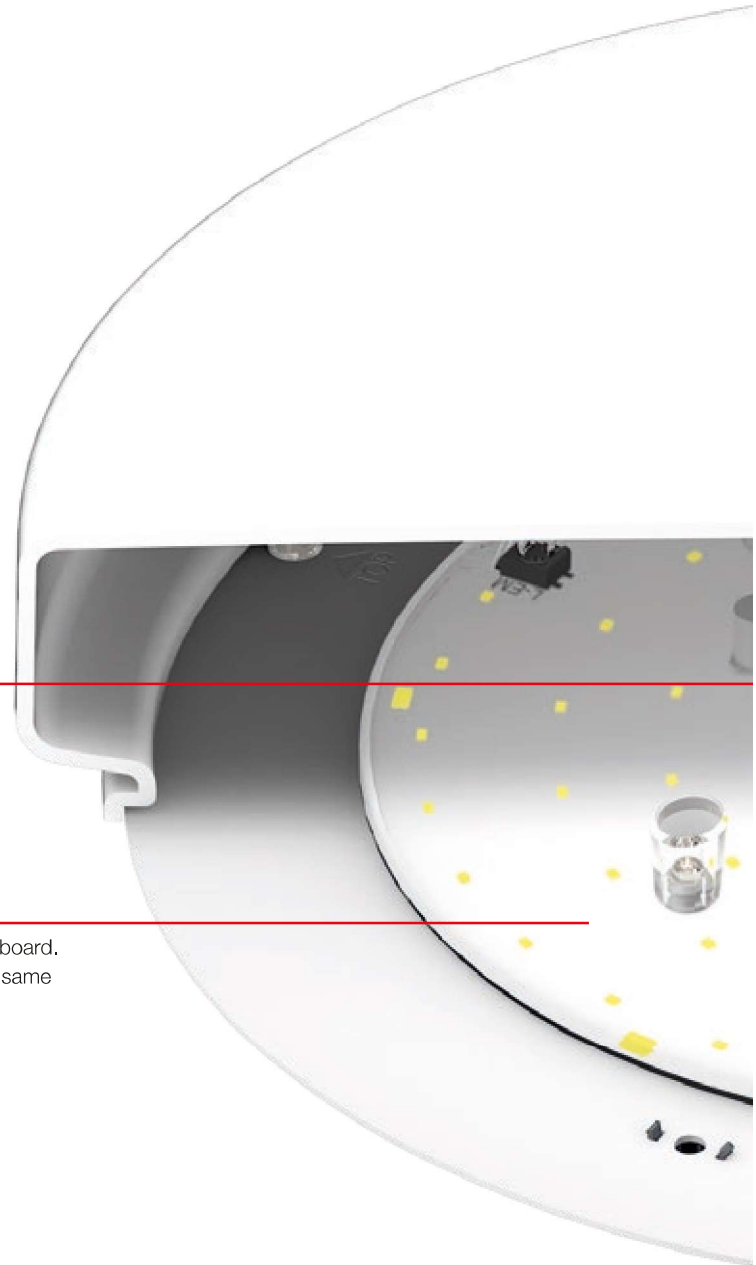
FLAT POLYMERO® KREIS SLIM | FLAT POLYMERO® KREIS | FLAT POLYMERO® | FLAT POLYMERO® IP 44

Everything at a glance



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

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:

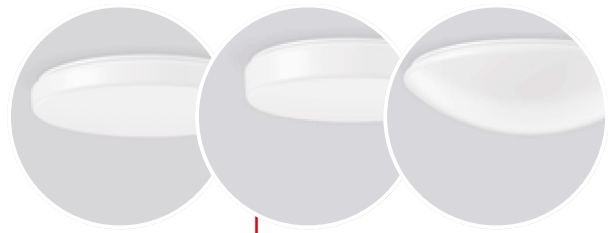
100 % (hold time) -> 10 % (Xs*) residual brightness -> 0 %.

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

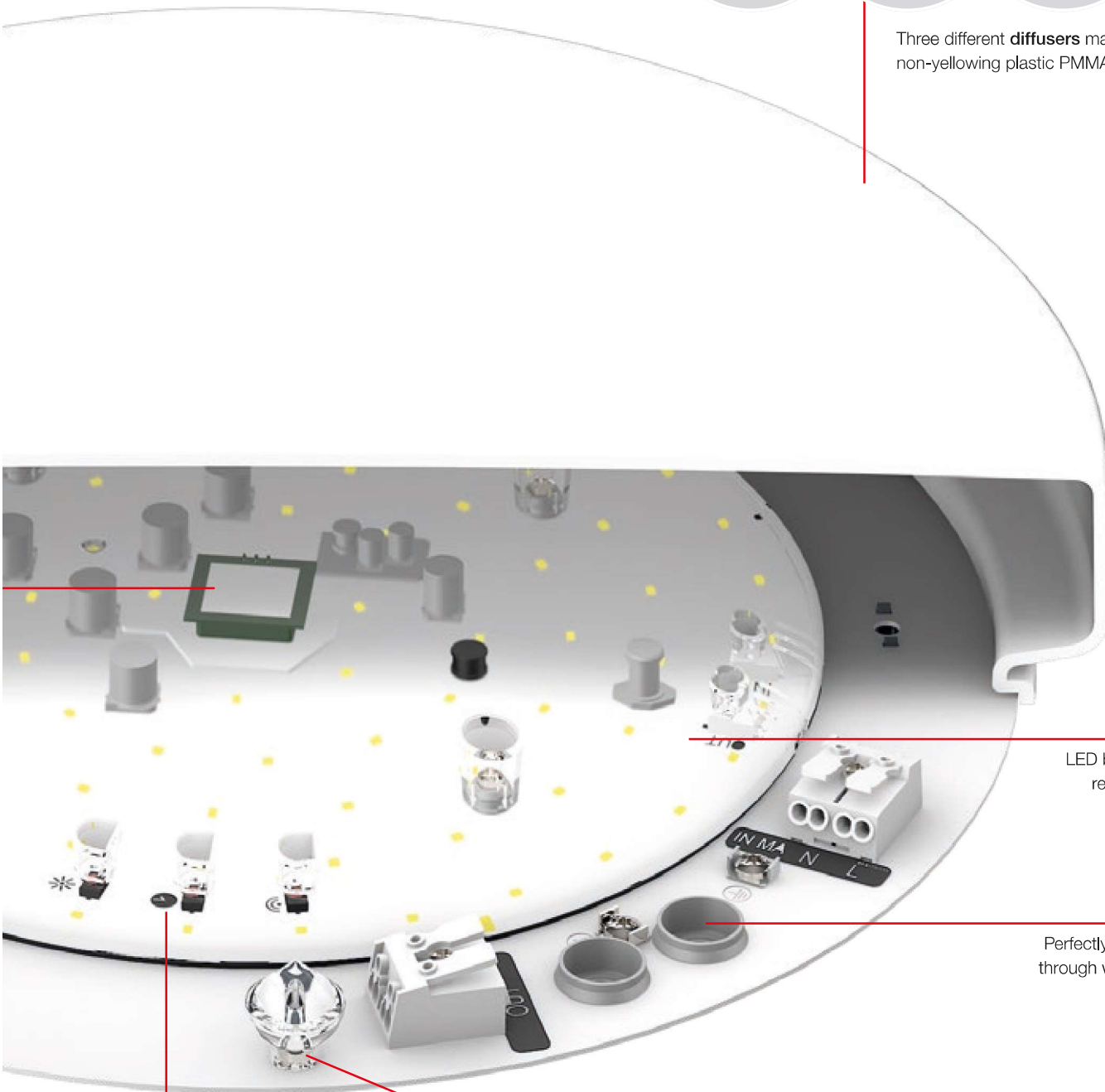


TouchDim

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 0.5-5m radial (10 to 100 % adjustable).
- ⌚ H Hold time 1s up to 15min (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

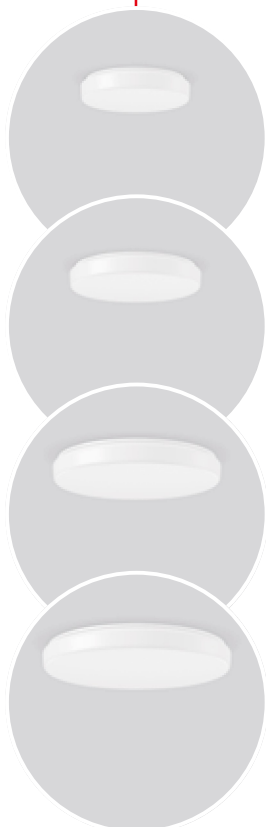
Everything at a glance



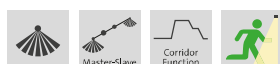
Diffusers made of non-yellowing PMMA plastic or shockproof PC.

FLAT POLYMERO® KREIS SLIM

Type of Protection: IP 40.



D 300 mm
H 65 mm



D 360 mm
H 65 mm



D 460 mm
H 70 mm

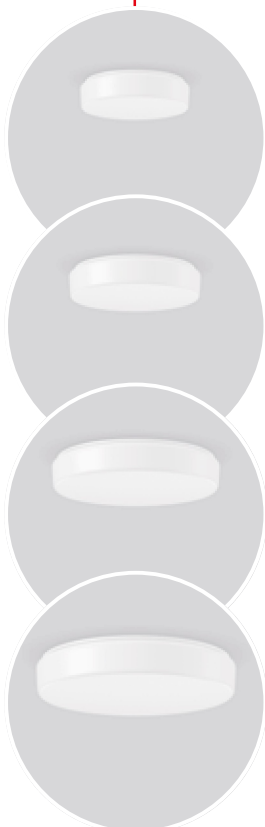


D 515 mm
H 70 mm



FLAT POLYMERO® KREIS

Type of Protection: IP 40.



D 300 mm
H 80 mm



D 360 mm
H 87 mm



D 460 mm
H 93 mm



D 515 mm
H 98 mm





FLAT POLYMERO® KREIS XXL

Type of Protection: IP 40.



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



Phase-cut

DALI



Touch DIM



Master-Slave



Corridor
Function



IP40

IK10

FLAT POLYMERO® KREIS SLIM

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 4 sizes, 3 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic:** Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Variable:** Surface-mounted and suspended luminaires.
- **Standard:** Suitable for through-wiring.



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

Ceiling and wall luminaires | FLAT POLYMERO KREIS SLIM

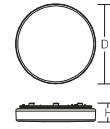
Type of protection: IP 40

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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	
Ceiling and wall luminaires							Price Category 11
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
312084.002.1 */**	D 300, H 65	830	1300	12	108	Phase-cut	✓
312084.002.1.76 */***	D 300, H 65	830	1200	12	100	DALI	
312084.002.3 */**	D 300, H 65	840	1300	11	118	Phase-cut	✓
312084.002.3.76 */***	D 300, H 65	840	1250	11	114	DALI	
Diameter D 360 mm							
312085.002.1 */**	D 360, H 65	830	1900	19	100	Phase-cut	✓
312085.002.1.76 */***	D 360, H 65	830	1900	19	100	DALI	
312085.002.3 */**	D 360, H 65	840	2000	19	105	Phase-cut	✓
312085.002.3.76 */***	D 360, H 65	840	2100	19	111	DALI	
Diameter D 460 mm							
312240.002.1 */**	D 460, H 70	830	2600	24	108	Phase-cut	✓
312240.002.1.76 */***	D 460, H 70	830	3050	32	95	DALI	
312240.002.3 */**	D 460, H 70	840	2750	24	115	Phase-cut	✓
312240.002.3.76 */***	D 460, H 70	840	3200	31	103	DALI	
Diameter D 515 mm							
312087.002.1 */**	D 515, H 70	830	3100	29	107	Phase-cut	✓
312087.002.1.76 */***	D 515, H 70	830	3700	40	93	DALI	
312087.002.3 */**	D 515, H 70	840	3400	28	121	Phase-cut	✓
312087.002.3.76 */***	D 515, H 70	840	3700	38	97	DALI	
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
312084.002.2 */**	D 300, H 65	830	1300	12	108	Phase-cut	
312084.002.2.76 */***	D 300, H 65	830	1300	12	108	DALI	
312084.002.4 */**	D 300, H 65	840	1300	11	118	Phase-cut	
312084.002.4.76 */***	D 300, H 65	840	1300	13	100	DALI	
Diameter D 360 mm							
312085.002.2 */**	D 360, H 65	830	2000	19	105	Phase-cut	
312085.002.2.76 */***	D 360, H 65	830	2000	19	105	DALI	
312085.002.4 */**	D 360, H 65	840	2050	19	108	Phase-cut	
312085.002.4.76 */***	D 360, H 65	840	2150	19	113	DALI	
Diameter D 460 mm							
312240.002.2 */**	D 460, H 70	830	2850	24	119	Phase-cut	
312240.002.2.76 */***	D 460, H 70	830	3350	32	105	DALI	
312240.002.4 */**	D 460, H 70	840	3000	24	125	Phase-cut	
312240.002.4.76 */***	D 460, H 70	840	3500	31	113	DALI	
Diameter D 515 mm							
312087.002.2 */**	D 515, H 70	830	3400	29	117	Phase-cut	
312087.002.2.76 */***	D 515, H 70	830	4050	40	101	DALI	
312087.002.4 */**	D 515, H 70	840	3500	28	125	Phase-cut	
312087.002.4.76 */***	D 515, H 70	840	4150	38	109	DALI	

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)



Applies to versions with .76

Comparison
LED vs. conventional lamps

LED 11 / 12 / 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 19 W ≈

2 x 26 W TC-D (68 W Psys)

LED 24 W ≈

3 x 26 W TC-D (102 W Psys)

LED 28 / 29 / 31 / 32 / 38 / 40 W ≈

4 x 26 W TC-D (136 W Psys)



This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.



Applies to
versions
with .19



Master/Slave

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈

1 x 26 W TC-D (34 W P_{sys})

LED 19 / 20 / 21 W ≈

2 x 26 W TC-D (68 W P_{sys})

Ceiling and wall luminaires | FLAT POLYMER KREIS SLIM - movement sensor

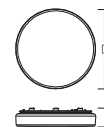
Type of protection: **IP 40**

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
- Coverage: 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
312084.002.1.191 *	D 300, H 65	830	1250	12	104	Slave	on/off
312084.002.1.19 *	D 300, H 65	830	1150	12	96	Master	on/off
312084.002.3.191 *	D 300, H 65	840	1250	12	104	Slave	on/off
312084.002.3.19 *	D 300, H 65	840	1150	12	96	Master	on/off
Diameter D 360 mm							
312085.002.1.191 *	D 360, H 65	830	1900	20	95	Slave	on/off
312085.002.1.19 *	D 360, H 65	830	1900	20	95	Master	on/off
312085.002.3.191 *	D 360, H 65	840	2000	21	95	Slave	on/off
312085.002.3.19 *	D 360, H 65	840	2000	19	105	Master	on/off
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
312084.002.2.191 *	D 300, H 65	830	1300	13	100	Slave	on/off
312084.002.2.19 *	D 300, H 65	830	1300	12	108	Master	on/off
312084.002.4.191 *	D 300, H 65	840	1300	13	100	Slave	on/off
312084.002.4.19 *	D 300, H 65	840	1300	12	108	Master	on/off
Diameter D 360 mm							
312085.002.2.191 *	D 360, H 65	830	2000	20	100	Slave	on/off
312085.002.2.19 *	D 360, H 65	830	2000	20	100	Master	on/off
312085.002.4.191 *	D 360, H 65	840	2050	21	98	Slave	on/off
312085.002.4.19 *	D 360, H 65	840	2050	19	108	Master	on/off

* With mains voltage LED







DALI



IP40

IK10

FLAT POLYMERO® KREIS

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 5 sizes, 3 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.
- **Individual:** Individual design possible with foil print.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic:** Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Not a disposable luminaire thanks to replaceable components.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Variable:** Surface-mounted and suspended luminaires.
- **Standard:** Suitable for through-wiring.



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

Ceiling and wall luminaires | FLAT POLYMERO KREIS XXL

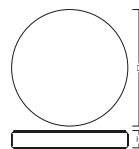
Type of protection: **IP 40**

Protection class: I

Impact protection: IK07 (PMMA), IK10 (polycarbonate)

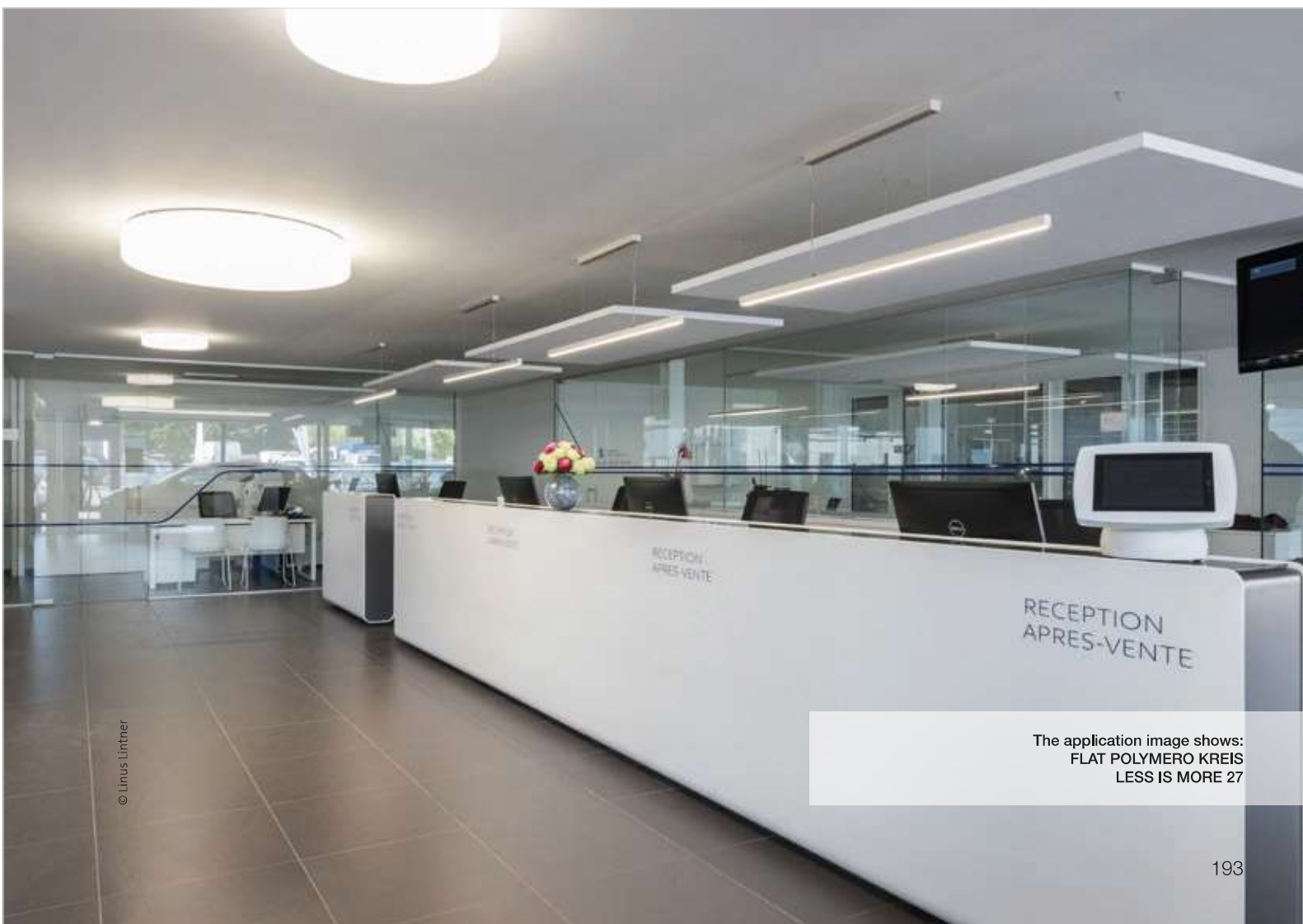
Base: metal, powder-coated. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock.

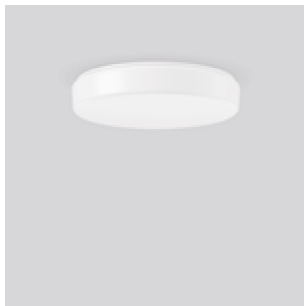
Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 21
Ceiling and wall luminaires							
Diffuser: plastic (PMMA) D 1040 mm							
311695.002.76	D 1040, H 150	830	9600	100	96	DALI	
311695.002.1.76	D 1040, H 150	840	10400	100	104	DALI	
Diffuser: plastic (polycarbonate) D 1040 mm							
311695.002.2.76	D 1040, H 150	830	10400	100	104	DALI	
311695.002.3.76	D 1040, H 150	840	11300	100	113	DALI	

T

Comparison
LED vs. conventional lamps
LED 100 W ≈4 x 55 W TC-L (232 W P_{sys})

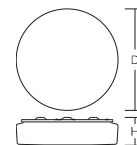


Ceiling and wall luminaires | FLAT POLYMER KREIS

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

Applies to
versions
with .76Comparison
LED vs. conventional lamps

LED 14 W ≈

2 x 18 W TC-D (52 W P_{sys})

LED 19 W ≈

3 x 18 W TC-D (78 W P_{sys})

LED 24 W ≈

4 x 18 W TC-D (104 W P_{sys})

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	
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Ceiling and wall luminaires

Price Category 11

Diffuser: plastic (PMMA)

Diameter D 300 mm

311620.002.7	D 300, H 80	830	1500	14	107	on/off	✓
311620.002.7.76	D 300, H 80	830	1500	14	107	DALI	
311620.002.5	D 300, H 80	840	1500	14	107	on/off	✓
311620.002.5.76	D 300, H 80	840	1500	14	107	DALI	

Diameter D 360 mm

311610.002.7	D 360, H 87	830	1600	14	114	on/off	✓
311610.002.7.76	D 360, H 87	830	1600	14	114	DALI	
311610.002.5	D 360, H 87	840	1600	14	114	on/off	✓
311610.002.5.76	D 360, H 87	840	1600	14	114	DALI	

Diameter D 460 mm

311611.002.7	D 460, H 93	830	2050	19	108	on/off	✓
311611.002.7.76	D 460, H 93	830	2050	19	108	DALI	
311611.002.5	D 460, H 93	840	2050	19	108	on/off	✓
311611.002.5.76	D 460, H 93	840	2050	19	108	DALI	

Diameter D 515 mm

311613.002.7	D 515, H 98	830	2550	24	106	on/off	✓
311613.002.7.76	D 515, H 98	830	2550	24	106	DALI	
311613.002.5	D 515, H 98	840	2550	24	106	on/off	✓
311613.002.5.76	D 515, H 98	840	2550	24	106	DALI	



Diffuser: plastic (polycarbonate)

Diameter D 300 mm

311620.002.8	D 300, H 80	830	1550	14	111	on/off	✓
311620.002.8.76	D 300, H 80	830	1550	14	111	DALI	
311620.002.6	D 300, H 80	840	1550	14	111	on/off	✓
311620.002.6.76	D 300, H 80	840	1550	14	111	DALI	

Diameter D 360 mm

311610.002.8	D 360, H 87	830	1650	14	118	on/off	✓
311610.002.8.76	D 360, H 87	830	1650	14	118	DALI	
311610.002.6	D 360, H 87	840	1650	14	118	on/off	✓
311610.002.6.76	D 360, H 87	840	1650	14	118	DALI	

Diameter D 460 mm

311611.002.8	D 460, H 93	830	2100	19	111	on/off	✓
311611.002.8.76	D 460, H 93	830	2100	19	111	DALI	
311611.002.6	D 460, H 93	840	2100	19	111	on/off	✓
311611.002.6.76	D 460, H 93	840	2100	19	111	DALI	

Diameter D 515 mm

311613.002.8	D 515, H 98	830	2650	24	110	on/off	✓
311613.002.8.76	D 515, H 98	830	2650	24	110	DALI	
311613.002.6	D 515, H 98	840	2650	24	110	on/off	✓
311613.002.6.76	D 515, H 98	840	2650	24	110	DALI	



This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Ceiling and wall luminaires | FLAT POLYMER KREIS - movement sensor

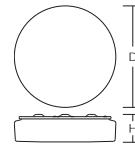
Type of protection: **IP 40**

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 max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 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 Psys)

LED 19 W ≈

3 x 18 W TC-D (78 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	
Ceiling and wall luminaires with integrated movement sensor							
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
311620.002.7.19	D 300, H 80	830	1500	14	107	on/off	
311620.002.5.19	D 300, H 80	840	1500	14	107	on/off	
Diameter D 360 mm							
311610.002.7.19	D 360, H 87	830	1600	14	114	on/off	✓
311610.002.5.19	D 360, H 87	840	1600	14	114	on/off	✓
Diameter D 460 mm							
311611.002.7.19	D 460, H 93	830	2050	19	108	on/off	✓
311611.002.5.19	D 460, H 93	840	2050	19	108	on/off	✓
Diameter D 515 mm							
311612.002.7.19	D 515, H 98	830	2100	19	111	on/off	
311612.002.5.19	D 515, H 98	840	2100	19	111	on/off	
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311620.002.8.19	D 300, H 80	830	1550	14	111	on/off	
311620.002.6.19	D 300, H 80	840	1550	14	111	on/off	
Diameter D 360 mm							
311610.002.8.19	D 360, H 87	830	1650	14	118	on/off	✓
311610.002.6.19	D 360, H 87	840	1650	14	118	on/off	✓
Diameter D 460 mm							
311611.002.8.19	D 460, H 93	830	2100	19	111	on/off	✓
311611.002.6.19	D 460, H 93	840	2100	19	111	on/off	✓
Diameter D 515 mm							
311612.002.8.19	D 515, H 98	830	2150	19	113	on/off	
311612.002.6.19	D 515, H 98	840	2150	19	113	on/off	



This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

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



D 360 mm
H 100 mm



D 460 mm
H 120 mm



D 515 mm
H 150 mm



D 620 mm
H 160 mm



FLAT POLYMERO® IP 44

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

Also for E27.



D 305 mm
H 115 mm



D 420 mm
H 150 mm





FLAT POLYMERO® XXL

Type of Protection: IP 40.



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



DALI



IP40

IK10

FLAT POLYMER®

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 6 sizes, 3 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.
- **Safe:** Also available as an emergency luminaire in accordance with EN 60598-2-22.
- **Individual:** Numerous customized solutions are available on demand.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic:** Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Patented fastening system for opening the luminaire(s) without tools.
- **Variable:** Surface-mounted and suspended luminaires.
- **Standard:** Suitable for through-wiring.



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

Ceiling and wall luminaires | FLAT POLYMERO XXL

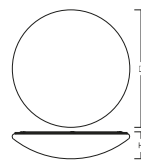
Type of protection: **IP 40**

Protection class: I

Impact protection: IK07 (PMMA), IK10 (polycarbonate)

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						
Diffuser: plastic (PMMA) D 1040 mm						
311694.002.76	D 1040, H 230	830	9450	100	95	DALI
311694.002.1.76	D 1040, H 230	840	10300	100	103	DALI
Diffuser: plastic (polycarbonate) D 1040 mm						
311694.002.2.76	D 1040, H 230	830	10000	100	100	DALI
311694.002.3.76	D 1040, H 230	840	10900	100	109	DALI



Price Category 21

Comparison
LED vs. conventional lamps

LED 100 W ≈

4 x 55 W TC-L (232 W Psys)



The application image shows:
FLAT POLYMERO XXL
FLAT POLYMERO



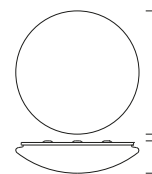
Ceiling and wall luminaires | FLAT POLYMER - plastic (PMMA)

Type of protection: **IP 40**Protection class: **I**Impact protection: **IK03**

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

Diffuser fastening: patented push system.

Available colour: 2 = white

Applies to
versions
with .76

Comparison

LED vs. conventional lamps

LED 10 / 11 / 12 / 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 14 W ≈

2 x 18 W TC-D (52 W Psys)

LED 19 W ≈

2 x 26 W TC-D (68 W Psys)

LED 24 / 32 W ≈

3 x 26 W TC-D (102 W Psys)

LED 28 / 29 / 31 / 38 / 40 W ≈

4 x 26 W TC-D (136 W Psys)

Ceiling and wall luminaires

Diffuser: plastic (PMMA)

Diameter D 300 mm

311626.002.7	D 300, H 100	830	1050	10	105	on/off	
311626.002.7.76 ****	D 300, H 100	830	1050	10	105	DALI	
311626.002.5	D 300, H 100	840	1050	10	105	on/off	
311626.002.5.76 ****	D 300, H 100	840	1050	10	105	DALI	

311943.002.1 */**	D 300, H 100	830	1150	12	96	Phase-cut	✓
311943.002.1.76 */***	D 300, H 100	830	1150	12	96	DALI	
311943.002.3 */**	D 300, H 100	840	1200	11	109	Phase-cut	✓
311943.002.3.76 */***	D 300, H 100	840	1200	13	92	DALI	

311627.002.7	D 300, H 100	830	1450	14	104	on/off	✓
311627.002.7.76	D 300, H 100	830	1450	14	104	DALI	
311627.002.5	D 300, H 100	840	1450	14	104	on/off	✓
311627.002.5.76	D 300, H 100	840	1450	14	104	DALI	

Diameter D 360 mm

311945.002.1 */**	D 360, H 100	830	1150	12	96	Phase-cut	✓
311945.002.1.76 */***	D 360, H 100	830	1150	12	96	DALI	
311945.002.3 */**	D 360, H 100	840	1200	11	109	Phase-cut	✓
311945.002.3.76 */***	D 360, H 100	840	1200	13	92	DALI	

311523.002.7.Q	D 360, H 100	830	1450	14	104	on/off	✓
311523.002.7.76	D 360, H 100	830	1450	14	104	DALI	
311523.002.5.Q	D 360, H 100	840	1450	14	104	on/off	✓
311523.002.5.76	D 360, H 100	840	1450	14	104	DALI	

311946.002.1 */**	D 360, H 100	830	2000	19	105	Phase-cut	✓
311946.002.1.76 */***	D 360, H 100	830	2050	19	108	DALI	
311946.002.3 */**	D 360, H 100	840	2150	19	113	Phase-cut	✓
311946.002.3.76 */***	D 360, H 100	840	2200	19	116	DALI	

Diameter D 460 mm

311518.002.7	D 460, H 120	830	2100	19	111	on/off	✓
311518.002.7.76	D 460, H 120	830	2100	19	111	DALI	
311518.002.5	D 460, H 120	840	2100	19	111	on/off	✓
311518.002.5.76	D 460, H 120	840	2100	19	111	DALI	

311947.002.1 */**	D 460, H 120	830	1950	19	103	Phase-cut	✓
311947.002.1.76 */***	D 460, H 120	830	1950	19	103	DALI	
311947.002.3 */**	D 460, H 120	840	2050	19	108	Phase-cut	✓
311947.002.3.76 */***	D 460, H 120	840	2150	19	113	DALI	

312244.002.1 */**	D 460, H 120	830	2650	24	110	Phase-cut	✓
312244.002.1.76 */***	D 460, H 120	830	3200	32	100	DALI	
312244.002.3 */**	D 460, H 120	840	2850	24	119	Phase-cut	✓
312244.002.3.76 */***	D 460, H 120	840	3350	31	108	DALI	

Diameter D 515 mm

311555.002.7	D 515, H 150	830	2600	24	108	on/off	✓
311555.002.7.76	D 515, H 150	830	2600	24	108	DALI	
311555.002.5	D 515, H 150	840	2600	24	108	on/off	✓
311555.002.5.76	D 515, H 150	840	2600	24	108	DALI	

312092.002.1 */**	D 515, H 150	830	3350	28	120	Phase-cut	
312092.002.1.76 */***	D 515, H 150	830	3800	40	95	DALI	
312092.002.3 */**	D 515, H 150	840	3650	28	130	Phase-cut	
312092.002.3.76 */***	D 515, H 150	840	3800	38	100	DALI	

Diameter D 620 mm

312096.002.1 */**	D 620, H 160	830	3200	29	110	Phase-cut	
312096.002.1.76 */***	D 620, H 160	830	3800	40	95	DALI	
312096.002.3 */**	D 620, H 160	840	3450	28	123	Phase-cut	
312096.002.3.76 */***	D 620, H 160	840	3800	38	100	DALI	

311557.002.7	D 620, H 160	830	4050	38	107	on/off	✓
311557.002.7.76	D 620, H 160	830	4050	38	107	DALI	
311557.002.5	D 620, H 160	840	4050	38	107	on/off	✓
311557.002.5.76	D 620, H 160	840	4050	38	107	DALI	

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%) | **** not Touch DIM capable



This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Ceiling and wall luminaires | FLAT POLYMERO - plastic (polycarbonate)

Type of Protection: IP 40

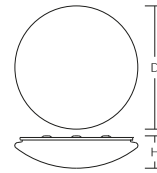
Protection Class: I


Impact Protection: IK10 (polycarbonate)

Base: metal, powder-coated. Diffuser: plastic (polycarbonate), opal and shockproof.

Diffuser fastening: patented push system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	
Ceiling and wall luminaires							
Diffuser: plastic (polycarbonate)							Price Category 11
Diameter D 300 mm							
311626.002.8	D 300, H 100	830	1100	10	110	on/off	
311626.002.8.76 ****	D 300, H 100	830	1100	10	110	DALI	
311626.002.6	D 300, H 100	840	1100	10	110	on/off	
311626.002.6.76 ****	D 300, H 100	840	1100	10	110	DALI	
311943.002.2 */**	D 300, H 100	830	1150	12	96	Phase-cut	✓
311943.002.2.76 */***	D 300, H 100	830	1150	12	96	DALI	
311943.002.4 */**	D 300, H 100	840	1200	11	109	Phase-cut	✓
311943.002.4.76 */***	D 300, H 100	840	1200	13	92	DALI	
311627.002.8	D 300, H 100	830	1500	14	107	on/off	✓
311627.002.8.76	D 300, H 100	830	1500	14	107	DALI	
311627.002.6	D 300, H 100	840	1500	14	107	on/off	✓
311627.002.6.76	D 300, H 100	840	1500	14	107	DALI	
Diameter D 360 mm							
311945.002.2 */**	D 360, H 100	830	1150	12	96	Phase-cut	✓
311945.002.2.76 */***	D 360, H 100	830	1150	12	96	DALI	
311945.002.4 */**	D 360, H 100	840	1200	11	109	Phase-cut	✓
311945.002.4.76 */***	D 360, H 100	840	1200	13	92	DALI	
311523.002.8	D 360, H 100	830	1500	14	107	on/off	✓
311523.002.8.76	D 360, H 100	830	1500	14	107	DALI	
311523.002.6	D 360, H 100	840	1500	14	107	on/off	✓
311523.002.6.76	D 360, H 100	840	1500	14	107	DALI	
311946.002.2 */**	D 360, H 100	830	1900	19	100	Phase-cut	✓
311946.002.2.76 */***	D 360, H 100	830	1900	19	100	DALI	
311946.002.4 */**	D 360, H 100	840	2000	19	105	Phase-cut	✓
311946.002.4.76 */***	D 360, H 100	840	2100	19	111	DALI	
Diameter D 460 mm							
311518.002.8	D 460, H 120	830	2150	19	113	on/off	✓
311518.002.8.76	D 460, H 120	830	2150	19	113	DALI	
311518.002.6	D 460, H 120	840	2150	19	113	on/off	✓
311518.002.6.76	D 460, H 120	840	2150	19	113	DALI	
311947.002.2 */**	D 460, H 120	830	2000	19	105	Phase-cut	✓
311947.002.2.76 */***	D 460, H 120	830	2000	19	105	DALI	
311947.002.4 */**	D 460, H 120	840	2050	19	108	Phase-cut	✓
311947.002.4.76 */***	D 460, H 120	840	2150	19	113	DALI	
312244.002.2 */**	D 460, H 120	830	2800	24	117	Phase-cut	✓
312244.002.2.76 */***	D 460, H 120	830	3300	32	103	DALI	
312244.002.4 */**	D 460, H 120	840	2950	24	123	Phase-cut	✓
312244.002.4.76 */***	D 460, H 120	840	3450	31	111	DALI	
Diameter D 515 mm							
311555.002.8	D 515, H 150	830	2650	24	110	on/off	✓
311555.002.8.76	D 515, H 150	830	2650	24	110	DALI	
311555.002.6	D 515, H 150	840	2650	24	110	on/off	✓
311555.002.6.76	D 515, H 150	840	2650	24	110	DALI	
312092.002.2 *	D 515, H 150	830	3250	29	112	Phase-cut	
312092.002.2.76 */***	D 515, H 150	830	3850	40	96	DALI	
312092.002.4 *	D 515, H 150	840	3500	28	125	Phase-cut	
312092.002.4.76 */***	D 515, H 150	840	3850	38	101	DALI	
Diameter D 620 mm							
312096.002.2 *	D 620, H 160	830	3250	29	112	Phase-cut	
312096.002.2.76 */***	D 620, H 160	830	3800	40	95	DALI	
312096.002.4 *	D 620, H 160	840	3500	28	125	Phase-cut	
312096.002.4.76 */***	D 620, H 160	840	3900	38	103	DALI	
311557.002.8	D 620, H 160	830	4250	38	112	on/off	✓
311557.002.8.76	D 620, H 160	830	4250	38	112	DALI	
311557.002.6	D 620, H 160	840	4250	38	112	on/off	✓
311557.002.6.76	D 620, H 160	840	4250	38	112	DALI	

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%) | **** not Touch DIM capable

Accessories | Decorative metal rings for the FLAT POLYMERO

Not suitable for luminaires with mains voltage LED

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 colour: 42 = nickel, matt

Decorative rings FLAT POLYMERO			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	



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 10 / 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W Psys)**LED 14 W ≈**
2 x 18 W TC-D (52 W Psys)**LED 19 W ≈**
2 x 26 W TC-D (68 W Psys)**LED 24 / 32 W ≈**
3 x 26 W TC-D (102 W Psys)**LED 28 / 29 / 31 / 38 / 40 W ≈**
4 x 26 W TC-D (136 W Psys)



Comparison LED vs. conventional lamps

LED 14 W ≈

2 x 18 W TC-D (52 W Psys)

LED 19 W ≈

3 x 18 W TC-D (78 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO - movement sensor

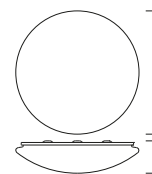
Type of protection: **IP 40**

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 max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	
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	830	1450	14	104	on/off	
311627.002.5.19	D 300, H 100	840	1450	14	104	on/off	
Diameter D 360 mm							
311523.002.7.19	D 360, H 100	830	1450	14	104	on/off	✓
311523.002.5.19	D 360, H 100	840	1450	14	104	on/off	✓
Diameter D 460 mm							
311518.002.7.19	D 460, H 120	830	2100	19	111	on/off	✓
311518.002.5.19	D 460, H 120	840	2100	19	111	on/off	✓
Diameter D 515 mm							
311525.002.7.19	D 515, H 150	830	2100	19	111	on/off	
311525.002.5.19	D 515, H 150	840	2100	19	111	on/off	
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311627.002.8.19	D 300, H 100	830	1500	14	107	on/off	
311627.002.6.19	D 300, H 100	840	1500	14	107	on/off	
Diameter D 360 mm							
311523.002.8.19	D 360, H 100	830	1500	14	107	on/off	✓
311523.002.6.19	D 360, H 100	840	1500	14	107	on/off	✓
Diameter D 460 mm							
311518.002.8.19	D 460, H 120	830	2150	19	113	on/off	✓
311518.002.6.19	D 460, H 120	840	2150	19	113	on/off	✓
Diameter D 515 mm							
311525.002.8.19	D 515, H 150	830	2200	19	116	on/off	
311525.002.6.19	D 515, H 150	840	2200	19	116	on/off	



Accessories | Decorative metal rings for the FLAT POLYMERO

Not suitable for luminaires with mains voltage LED

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 colour: 42 = nickel, matt

Decorative rings Flat Polymero

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

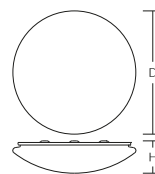


This luminaire is also available as self-contained and/or emergency luminaire for central battery systems according to EN 60598 2-22 – further information page 11.

Ceiling and wall luminaires | FLAT POLYMERO - movement sensorType 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
- Coverage: 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 12 / 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 19 / 20 / 21 W ≈

3 x 18 W TC-D (78 W Psys)

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							
Diffuser: plastic (PMMA)							
Diameter D 300 mm							
311943.002.1.191 *	D 300, H 100	830	1150	13	88	Slave	on/off
311943.002.1.19 *	D 300, H 100	830	1150	12	96	Master	on/off
311943.002.3.191 *	D 300, H 100	840	1200	13	92	Slave	on/off
311943.002.3.19 *	D 300, H 100	840	1200	12	100	Master	on/off
Diameter D 360 mm							
311945.002.1.191 *	D 360, H 100	830	1100	12	92	Slave	on/off
311945.002.1.19 *	D 360, H 100	830	1100	12	92	Master	on/off
311945.002.3.191 *	D 360, H 100	840	1150	12	96	Slave	on/off
311945.002.3.19 *	D 360, H 100	840	1150	12	96	Master	on/off
311946.002.1.191 *	D 360, H 100	830	1850	20	93	Slave	on/off
311946.002.1.19 *	D 360, H 100	830	1900	20	95	Master	on/off
311946.002.3.191 *	D 360, H 100	840	2100	19	111	Slave	on/off
311946.002.3.19 *	D 360, H 100	840	1950	19	103	Master	on/off
Diffuser: plastic (polycarbonate)							
Diameter D 300 mm							
311943.002.2.191 *	D 300, H 100	830	1150	13	88	Slave	on/off
311943.002.2.19 *	D 300, H 100	830	1150	12	96	Master	on/off
311943.002.4.191 *	D 300, H 100	840	1200	13	92	Slave	on/off
311943.002.4.19 *	D 300, H 100	840	1200	12	100	Master	on/off
Diameter D 360 mm							
311945.002.2.191 *	D 360, H 100	830	1150	12	96	Slave	on/off
311945.002.2.19 *	D 360, H 100	830	1150	12	96	Master	on/off
311945.002.4.191 *	D 360, H 100	840	1200	12	100	Slave	on/off
311945.002.4.19 *	D 360, H 100	840	1200	12	100	Master	on/off
311946.002.2.191 *	D 360, H 100	830	1900	20	95	Slave	on/off
311946.002.2.19 *	D 360, H 100	830	1900	20	95	Master	on/off
311946.002.4.191 *	D 360, H 100	840	2000	21	95	Slave	on/off
311946.002.4.19 *	D 360, H 100	840	2000	19	105	Master	on/off

* With mains voltage LED



DALI



IP44

IK10

FLAT POLYMER[®] IP44

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** 2 sizes, 2 types of installation, 2 diffusers.
- **Long service life:** Diffuser made of non-yellowing PMMA or impact resistant PC.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Dynamic:** Versions with integrated movement sensor. Master/slave circuit possible.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Protected:** Versions with high type of protection enable usage outdoors; indoors, it prevents contamination with insects or dust.

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



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency ^d [lm/W]	Lighting control	Price Category 11
Ceiling and wall luminaires							
Diffuser: plastic (PMMA)							
Diffuser D 305 mm							
221153.002.1 */**	D 305, H 115	830	1250	12	104	Phase-cut	
221153.002.1.76 */***	D 305, H 115	830	1250	12	104	DALI	
221153.002.3 */**	D 305, H 115	840	1300	11	118	Phase-cut	
221153.002.3.76 */***	D 305, H 115	840	1250	13	96	DALI	
221105.002	D 305, H 115	2 x E27® max. 40 W				on/off	
221023.002.1	D 305, H 115	1 x E27® max. 75 W				on/off	
Diffuser D 420 mm							
221154.002.1 */**	D 420, H 150	830	1900	19	100	Phase-cut	
221154.002.1.76 */***	D 420, H 150	830	1900	19	100	DALI	
221154.002.3 */**	D 420, H 150	840	2000	19	105	Phase-cut	
221154.002.3.76 */***	D 420, H 150	840	2100	19	111	DALI	
221106.002	D 420, H 150	3 x E27® max. 40 W				on/off	
Diffuser: plastic (polycarbonate)							
Diffuser D 305 mm							
221153.002 */**	D 305, H 115	830	1350	12	113	Phase-cut	
221153.002.76 */***	D 305, H 115	830	1350	12	113	DALI	
221153.002.2 */**	D 305, H 115	840	1400	11	127	Phase-cut	
221153.002.2.76 */***	D 305, H 115	840	1350	13	104	DALI	
221022.002	D 305, H 115	2 x E27® max. 60 W				on/off	
221023.002	D 305, H 115	1 x E27® max. 75 W				on/off	
Diffuser D 420 mm							
221154.002 */**	D 420, H 150	830	2050	19	108	Phase-cut	
221154.002.76 */***	D 420, H 150	830	2050	19	108	DALI	
221154.002.2 */**	D 420, H 150	840	2200	19	116	Phase-cut	
221154.002.2.76 */***	D 420, H 150	840	2300	19	121	DALI	
221026.002	D 420, H 150	3 x E27® max. 60 W				on/off	

* With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)



Applies to versions with .76

Comparison LED vs. conventional lamps

LED 11 / 12 / 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 19 W ≈

2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO IP44 - movement sensor

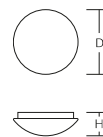
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

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 max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 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 [mm]	Light source	Lighting control	Price Category 11
Ceiling and wall luminaires with integrated movement sensor				
Diffuser: plastic (PMMA)				
221126.002.4.19	D 305, H 115	1 x E27® max. 60 W	on/off	
Diffuser: plastic (polycarbonate)				
221126.002.3.19	D 305, H 115	1 x E27® max. 60 W	on/off	



Comparison

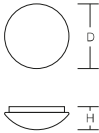
LED vs. conventional lamps

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

LED 19 / 20 / 21 W ≈
2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT POLYMERO IP44 - 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
- Coverage: 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							
Diffuser: plastic (PMMA)							
Diffuser D 305 mm							
221153.002.1.191 *	D 305, H 115	830	1250	13	96	Slave	on/off
221153.002.1.19 *	D 305, H 115	830	1250	12	104	Master	on/off
221153.002.3.191 *	D 305, H 115	840	1250	13	96	Slave	on/off
221153.002.3.19 *	D 305, H 115	840	1250	12	104	Master	on/off
Diffuser D 420 mm							
221154.002.1.191 *	D 420, H 150	830	1900	20	95	Slave	on/off
221154.002.1.19 *	D 420, H 150	830	1900	20	95	Master	on/off
221154.002.3.191 *	D 420, H 150	840	2000	21	95	Slave	on/off
221154.002.3.19 *	D 420, H 150	840	2000	19	105	Master	on/off
Diffuser: plastic (polycarbonate)							
Diffuser D 305 mm							
221153.002.191 *	D 305, H 115	830	1350	13	104	Slave	on/off
221153.002.19 *	D 305, H 115	830	1350	12	113	Master	on/off
221153.002.2.191 *	D 305, H 115	840	1350	13	104	Slave	on/off
221153.002.2.19 *	D 305, H 115	840	1350	12	113	Master	on/off
Diffuser D 420 mm							
221154.002.191 *	D 420, H 150	830	2050	20	103	Slave	on/off
221154.002.19 *	D 420, H 150	830	2050	20	103	Master	on/off
221154.002.2.191 *	D 420, H 150	840	2200	21	105	Slave	on/off
221154.002.2.19 *	D 420, H 150	840	2200	19	116	Master	on/off

* With mains voltage LED





Phase-cut

DALI



Touch DIM



Master-Slave



Corridor
Function



IP44

FLAT BASIC

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Classic, timeless and with minimalist design.
- **Long service life:** Mouth-blown 3-layer opal glass (Triplex glass) with satin finish.

LIGHTING DESIGN

- **Anti-glare:** Particularly homogeneous, soft and glare-free light.
- **Efficient:** Versions with movement sensor.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

INSTALLATION

- **Easy installation:** Tool-free assembly.
- **Standard:** Suitable for through-wiring.
- **Protected:** High protection type allow for outdoor applications; since it is proof against dust and insects - this luminaire is ideal for hard-to-access installations.

Ceiling and wall luminaires | FLAT BASIC

Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

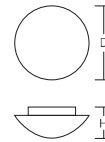
Protection class: I, II = E27

Impact protection: IK02 (Diffuser fastening: spring system), IK03 (Glass 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency ^a [lm/W]	Lighting control
Ceiling and wall luminaires						Price Category 11
Diffuser fastening: spring system						
Glass D 250 mm						
211428.002	D 250, H 106	830	730	6,9	106	on/off
211428.002.1	D 250, H 106	840	770	6,9	112	on/off
211005.002 .Q	D 250, H 106	1 x E27® max. 60 W				on/off
Glass D 300 mm						
211427.002	D 300, H 106	830	1050	11	95	on/off
211427.002.1	D 300, H 106	840	1100	11	100	on/off
211006.002 .Q	D 300, H 106	1 x E27® max. 75 W				on/off
Glass D 370 mm						
211394.002	D 370, H 118	830	1200	11	109	on/off
211394.002.1	D 370, H 118	840	1250	11	114	on/off
211399.002 */**	D 370, H 118	830	1150	12	96	Phase-cut
211399.002.76 */***	D 370, H 118	830	1150	12	96	DALI
211399.002.1 */**	D 370, H 118	840	1200	11	109	Phase-cut
211399.002.1.76 */***	D 370, H 118	840	1150	13	88	DALI
211060.002	D 370, H 118	1 x E27® max. 100 W				on/off
211059.002 .Q	D 370, H 118	2 x E27® max. 60 W				on/off
Glass D 420 mm						
211400.002 */**	D 420, H 124	830	1200	12	100	Phase-cut
211400.002.76 */***	D 420, H 124	830	1200	12	100	DALI
211400.002.1 */**	D 420, H 124	840	1250	11	114	Phase-cut
211400.002.1.76 */***	D 420, H 124	840	1200	13	92	DALI
211011.002	D 420, H 124	2 x E27® max. 75 W				on/off
Glass fastening: bayonet fixing						
Glass D 500 mm						
211401.002 */**	D 500, H 150	830	2150	19	113	Phase-cut
211401.002.76 */***	D 500, H 150	830	2150	19	113	DALI
211401.002.1 */**	D 500, H 150	840	2200	19	116	Phase-cut
211401.002.1.76 */***	D 500, H 150	840	2200	19	116	DALI
211071.002	D 500, H 150	3 x E27® max. 60 W				on/off

^a With mains voltage LED | ** Suitable for phase cut dimming (10-100%) | *** DALI dimmable (10-100%)



Comparison LED vs. conventional lamps

LED 6,9 W ≈
1 x 18 W TC-D (26 W P_{sys})

LED 11 / 12 / 13 W ≈
1 x 26 W TC-D (34 W P_{sys})

LED 19 W ≈
2 x 26 W TC-D (68 W P_{sys})



Ceiling and wall luminaires | FLAT BASIC - movement sensor

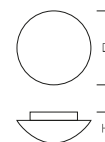
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

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 max. 2.7 m:

- HF detector 5.8 GHz ISM frequency band
- Sensitivity/Range: 1-8 m in diameter, adjustable from 20-100%.
- Time control between 10 seconds and 30 minutes, adjustable
- Coverage: 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 [mm]	Light source		Lighting control
Ceiling and wall luminaires with integrated movement sensor				Price Category 11
211344.002.3.19	D 370, H 118	1 x E27* max. 60 W	Yes	on/off
211355.002.3.19	D 420, H 124	1 x E27* max. 60 W	Yes	on/off



Ceiling and wall luminaires | FLAT BASIC - movement sensor

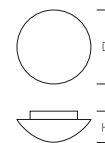
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

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
- Coverage: 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.

Comparison LED vs. conventional lamps

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

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]		Lighting control
Ceiling and wall luminaires with integrated movement sensor							Price Category 11
Glass D 370 mm							
211399.002.191 *	D 370, H 118	830	1150	13	88	Slave	on/off
211399.002.19 *	D 370, H 118	830	1150	12	96	Master	on/off
211399.002.1.191 *	D 370, H 118	840	1150	13	88	Slave	on/off
211399.002.1.19 *	D 370, H 118	840	1150	12	96	Master	on/off
Glass D 420 mm							
211400.002.191 *	D 420, H 124	830	1200	13	92	Slave	on/off
211400.002.19 *	D 420, H 124	830	1200	12	100	Master	on/off
211400.002.1.191 *	D 420, H 124	840	1200	13	92	Slave	on/off
211400.002.1.19 *	D 420, H 124	840	1200	12	100	Master	on/off

* With mains voltage LED



DALI



Wall luminaires | RING OF FIRE

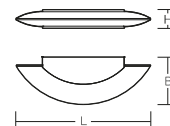
Type of protection: IP 20

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 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control	Price Category 21
Wall luminaires							
Length L 423 mm							
311672.004	L 423, B 144, H 60	830	900	10	90	on/off	
311672.004.1	L 423, B 144, H 60	840	950	10	95	on/off	
Length L 595 mm							
311673.004	L 595, B 210, H 83	830	2050	21	98	on/off	
311673.004.76	L 595, B 210, H 83	830	2050	21	98	DALI	
311673.004.1	L 595, B 210, H 83	840	2150	21	102	on/off	
311673.004.1.76	L 595, B 210, H 83	840	2150	21	102	DALI	

Light colour 827 on request.

Comparison LED vs. conventional lamps

LED 10 W ≈

2 x 13 W TC-DEL (29 W Psys)

LED 21 W ≈

2 x 26 W TC-DEL (56 W Psys)



The application image shows:
FLAT KREIS



215



215

FLAT KREIS

214-215



216

SANTOS KREIS

216



217

DKN-CLASSIC

217



218



219

KREIS

218-219



220



220

GLASDOWNLIGHT

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221

COLONNA IP 44

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222

FLAT QUADRAT

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225

QUADRAT

224-225



226



227

RECHTECK

226-227



Phase-cut

DALI



Touch DIM



IP44

IK08

FLAT KREIS

Ceiling and wall luminaires

ARCHITECTURE

- **Versatile:** Mouth blown 3-layer opal glass (Triplex glass) or plastic (PMMA).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Straightforward:** Diffuser fastening: spring system or bayonet fixing.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).
- **Advantageous:** LED rated life 50000 h (L80/B10).

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Standard:** Suitable for through-wiring.
- **Protected:** High protection type allow for outdoor applications; since it is proof against dust and insects - this luminaire is ideal for hard-to-access installations.

Ceiling and wall luminaires | FLAT KREIS - Diffuser glass

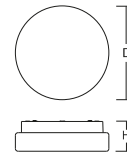
 Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: I

Impact protection: IK02 (Diffuser fastening: spring system), IK03 (Glass 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control
Ceiling and wall luminaires						
Diffuser fastening: spring system						
Glass D 300 mm						
211209.002 *	D 300, H 75	830	1050	12	88	Phase-cut
211209.002.76 **	D 300, H 75	830	1050	12	88	DALI
211209.002.1 *	D 300, H 75	840	1100	11	100	Phase-cut
211209.002.1.76 **	D 300, H 75	840	1050	13	81	DALI
Glass fastening: bayonet fixing						
Glass D 500 mm						
211398.002 *	D 500, H 100	830	1900	19	100	Phase-cut
211398.002.76 **	D 500, H 100	830	1900	19	100	DALI
211398.002.1 *	D 500, H 100	840	1900	19	100	Phase-cut
211398.002.1.76 **	D 500, H 100	840	2000	19	106	DALI

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

Price Category 11


Applies to versions with .76

Comparison LED vs. conventional lamps
LED 11 / 12 / 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 19 W ≈

2 x 26 W TC-D (68 W Psys)

Ceiling and wall luminaires | FLAT KREIS - Diffuser plastic

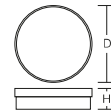
 Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: I

Impact protection: IK08

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control
Ceiling and wall luminaires						
Diffuser D 262 mm						
221155.002 *	D 262, H 70	830	900	12	75	Phase-cut
221155.002.76 **	D 262, H 70	830	900	12	75	DALI
221155.002.1 *	D 262, H 70	840	950	11	87	Phase-cut
221155.002.1.76 **	D 262, H 70	840	900	13	70	DALI
Diffuser D 380 mm						
221156.002 *	D 380, H 78	830	1200	19	64	Phase-cut
221156.002.76 **	D 380, H 78	830	1200	19	64	DALI
221156.002.1 *	D 380, H 78	840	1300	19	69	Phase-cut
221156.002.1.76 **	D 380, H 78	840	1400	19	74	DALI

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

Price Category 11


Applies to versions with .76

Comparison LED vs. conventional lamps
LED 11 / 12 / 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 19 W ≈

2 x 26 W TC-D (68 W Psys)



Ceiling and wall luminaires | SANTOS KREIS

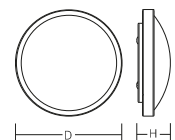
Type of protection: IP 20

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 brushed, 44 = chrome coloured



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			Price Category 11
Diameter D 310 mm			
311488.00X *	D 310, H 87	1 x E27 [®] max. 60 W	on/off
Diameter D 410 mm			
311489.00X *	D 410, H 95	2 x E27 [®] max. 60 W	on/off

* Dimmability depends on light source.



IP40

Ceiling and wall luminaires | DKN CLASSIC

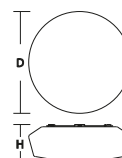
Type of protection: **IP 40**

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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						Price Category 11
Glass D 250 mm						
10122.002.1	D 250, H 105	830	440	6	74	on/off
10122.002	D 250, H 105	840	500	6	84	on/off
10120.002 *.Q	D 250, H 105	1 x E27® max. 60 W				on/off
Glass D 300 mm						
10138.002.1	D 300, H 115	830	940	12	79	on/off
10138.002	D 300, H 115	840	1100	12	92	on/off
10130.002 *	D 300, H 115	1 x E27® max. 75 W				on/off

* Dimmability depends on light source.

Price Category 11

Comparison LED vs. conventional lamps

LED 6 W ≈

1 x 13 W TC-D (19 W Psys)

LED 12 W ≈

1 x 26 W TC-D (34 W Psys)



IP44



Ceiling and wall luminaires | KREIS - Diffuser glass

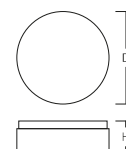
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: II

Impact protection: IK02

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			Price Category 11
Glass D 230 mm			
21101.002 *	D 230, H 110	1 x E27 [®] max. 75 W	on/off
Glass D 280 mm			
21171.002 *	D 280, H 120	1 x E27 [®] max. 100 W	on/off

* Dimmability depends on light source.



IP44

Ceiling and wall luminaires | KREIS - Diffuser plastic

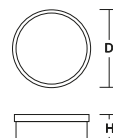
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: II

Impact protection: IK06

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			Price Category 11
Luminaire D 200 mm			
22141.002 *	D 200, H 100	1 x E27 [®] max. 60 W	on/off
Luminaire D 260 mm			
22150.002 *	D 260, H 110	1 x E27 [®] max. 100 W	on/off
22142.002 *	D 260, H 110	2 x E27 [®] max. 60 W	on/off

* Dimmability depends on light source.



DALI



Ceiling luminaires | GLASDOWNLIGHT

Type of protection: IP 20

Protection class: I

Impact protection: IK02

Base: aluminium, powder-coated, Opal glass: mouth-blown, satin finish.

Glass fastening: retaining screws.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling luminaires						
Glass D 120 mm						
931175.002	D 120, H 300	830	1200	9,5	127	on/off
931175.002.1	D 120, H 300	840	1250	9,5	132	on/off
931176.002	D 120, H 470	830	2400	19	127	on/off
931176.002.1	D 120, H 470	840	2500	19	132	on/off
Glass D 150 mm						
931178.002	D 150, H 300	830	2500	21	120	on/off
931178.002.1	D 150, H 300	840	2600	21	124	on/off
931178.002.76	D 150, H 300	830	2900	24	121	DALI
931178.002.1.76	D 150, H 300	840	3000	24	125	DALI
931180.002	D 150, H 470	830	2600	20	130	on/off
931180.002.1	D 150, H 470	840	2750	20	138	on/off
931180.002.76	D 150, H 470	830	3350	26	129	DALI
931180.002.1.76	D 150, H 470	840	3550	26	137	DALI

Comparison LED vs. conventional lamps

LED 9,5 W ≈

1 x 20 W HIT (23 W Psys)

LED 19 / 20 / 21 W ≈

1 x 35 W HIT (43 W Psys)

LED 24 / 26 W ≈

1 x 50 W HIT (56 W Psys)



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



IP44

Wall luminaires | COLONNA IP 44

Type of protection: **IP 44**

Protection class: I, II = E27

Impact protection: IK02

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 11
Wall luminaires							
211423.002	L 245, B 145, H 110	830	900	9	100	on/off	
211423.002.1	L 245, B 145, H 110	840	900	9	100	on/off	
211324.002 *	L 245, B 145, H 110	1 x E27* max. 60 W				on/off	

* Dimmability depends on light source.

Comparison LED vs. conventional lamps

LED 9 W ≈

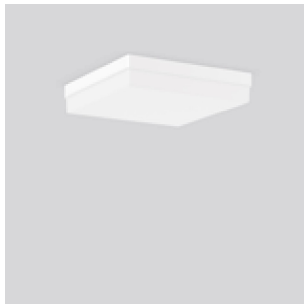
1 x 26 W TC-D (34 W Psys)



DALI



IP44



Ceiling and wall luminaires | FLAT QUADRAT

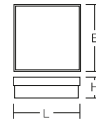
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: I

Impact protection: IK06

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						
Diffuser L 270 x B 270 mm						
221160.002.1 *	L 270, B 270, H 70	840	790	11	72	Phase-cut
221160.002 *	L 270, B 270, H 70	830	800	12	67	Phase-cut
Diffuser L 380 x B 380 mm						
221161.002 *	L 380, B 380, H 78	830	1500	19	79	Phase-cut
221161.002.76 **	L 380, B 380, H 78	830	1500	19	79	DALI
221161.002.1 *	L 380, B 380, H 78	840	1500	19	79	Phase-cut
221161.002.1.76 **	L 380, B 380, H 78	840	1600	19	85	DALI
221166.002	L 380, B 380, H 78	830	2850	36	80	on/off
221166.002.1	L 380, B 380, H 78	840	2900	36	81	on/off

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

Comparison LED vs. conventional lamps

LED 11 / 12 W ≈

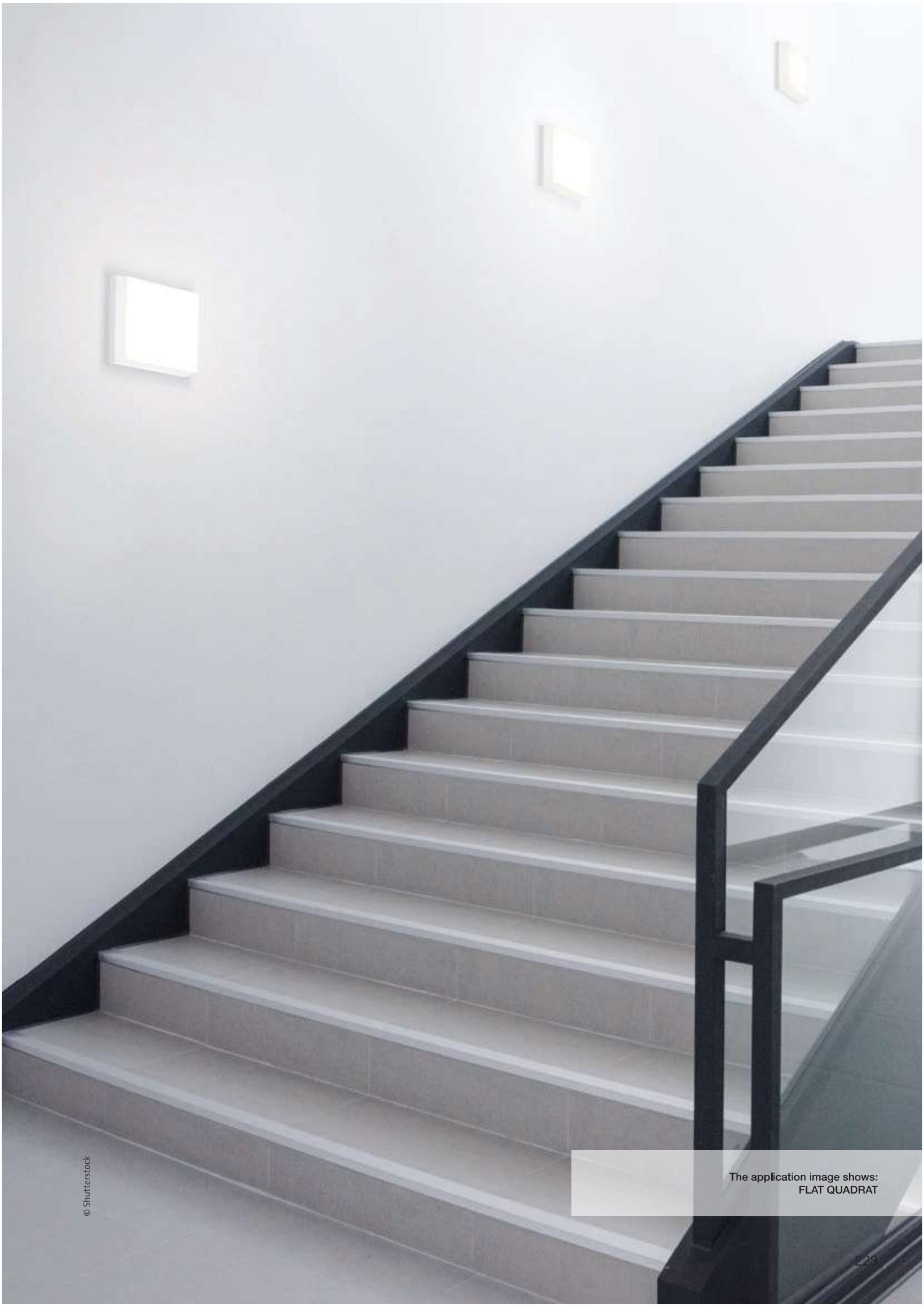
1 x 26 W TC-D (34 W Psys)

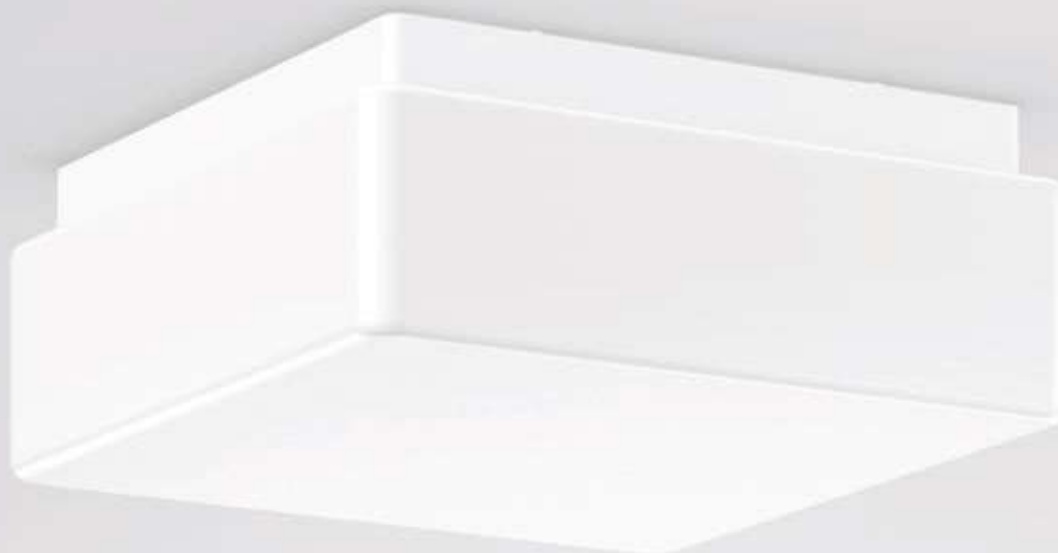
LED 19 W ≈

2 x 26 W TC-D (68 W Psys)

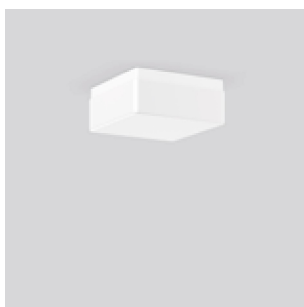
LED 36 W ≈

3 x 26 W TC-D (102 W Psys)





IP44



Ceiling and wall luminaires | QUADRAT - Diffuser glass

Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: II

Impact protection: IK02

Base: plastic. Mouth-blown opal glass, satin finish or silk finish. Diffuser fastening: spring system.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			
Opal glass, satin finish			
Glass L 240 x B 240 mm			
21128.002 *	L 240, B 240, H 110	1 x E27 [®] max. 75 W	on/off
Glass L 280 x B 280 mm			
21129.002 *	L 280, B 280, H 120	2 x E27 [®] max. 60 W	on/off
Opal glass, silk finish			
Glass L 240 x B 240 mm			
20128.002 *	L 240, B 240, H 110	1 x E27 [®] max. 75 W	on/off
Glass L 280 x B 280 mm			
20172.002 *	L 280, B 280, H 120	1 x E27 [®] max. 100 W	on/off
20129.002 *	L 280, B 280, H 120	2 x E27 [®] max. 60 W	on/off

* Dimmability depends on light source.

Price Category 11



IP44

Ceiling and wall luminaires | QUADRAT - Diffuser plastic

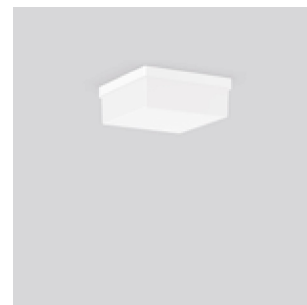
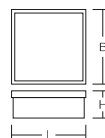
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: II

Impact protection: IK06

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light source	Lighting control
Ceiling and wall luminaires			Price Category 11
Luminaire L 226 x B 226 mm			
22146.002 *	L 226, B 226, H 110	1 x E27 [®] max. 75 W	on/off
Luminaire L 270 x B 270 mm			
22130.002 *	L 270, B 270, H 115	1 x E27 [®] max. 100 W	on/off
22148.002 *	L 270, B 270, H 115	2 x E27 [®] max. 60 W	on/off

* Dimmability depends on light source.



IP44



Ceiling and wall luminaires | RECHTECK - Diffuser glass

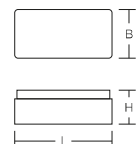
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: I, II = E27

Impact protection: IK02

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency ^a [lm/W]	Lighting control
Ceiling and wall luminaires						
Glass L 220 x B 120 mm						
211421.002	L 220, B 120, H 105	830	850	9	95	on/off
211421.002.1	L 220, B 120, H 105	840	850	9	95	on/off
21146.002 *	L 220, B 120, H 105	1 x E27 [®] max. 60 W				on/off

* Dimmability depends on light source.

Comparison LED vs. conventional lamps

LED 9 W ≈

1 x 26 W TC-D (34 W Psys)



IP44

Ceiling and wall luminaires | RECHTECK - Diffuser plastic

Type of protection: **IP 44**

Protection class: I, II = E27

Impact protection: IK06

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

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control	Price Category 11
Wall luminaires							
Luminaire L 215 x B 115 mm							
221170.002	L 215, B 115, H 110	830	900	9	100	on/off	
221170.002.1	L 215, B 115, H 110	840	900	9	100	on/off	
22144.002 *	L 215, B 115, H 110	1 x E27 [®] max. 60 W				on/off	

* Dimmability depends on light source.

Comparison LED vs. conventional lamps

LED 9 W ≈

1 x 26 W TC-D (34 W Psys)



The application image shows:
PLANADO



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ISO / Aluminium striplights
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ISO Lampholders
for linear lamps
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PLANADO

Everything at a glance



MultiLumen: 4 steps adjustable
luminous flux.



Qualified for use in the food
and drink industry.



No disposable luminaire
thanks to interchangeable
components.

Housing and end caps made of powder-coated sheet steel, without visible screws.



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.

IP54

End cap with durable silicone foam seal.

2-component optical system for homogeneous and soft illumination of the entire light-emitting surface.

Diffuser made of non-yellowing plastic (PMMA), opal.



PLANADO

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** Attractive and highly efficient diffuser luminaires.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.
- **Certified:** Qualified for use in the food and drink industry.

LIGHTING DESIGN

- **Uniform:** 2-component optical system for homogeneous and soft illumination of the entire light-emitting surface.
- **Protected:** IP 54 for tougher requirements.
- **Variable:** MultiLumen variants - 4 steps adjustable luminous flux.

INSTALLATION

- **Advantageous:** Perfect for 1:1 replacement during renovations.
- **Standard:** Through-wiring for additional luminaires.
- **Easy installation:** Easy, no-fuss installation.

Ceiling and wall luminaires | PLANADO

Type of protection: **IP 54** ceiling mounting, **IP 50** wall mounting

Protection class: I

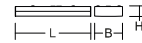
Impact protection: IK05

Housing and end caps made of sheet steel, powder coated. Rectangular diffuser made of non-yellowing plastic (PMMA), opal. Specially matched 2-component optical system for homogeneous and soft illumination of the entire light-emitting surface. End caps with hidden screws, with permanently dimensionally stable silicone foam seal. Driver integrated. Replaceable LED unit. Suitable for through-wiring. With sensors or as a safety luminaire on request.

▽ 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

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
Length L 600 mm							
312621.002 *	L 600, B 160, H 58	830	1250...2050	10...17	130	21,8...23,5	on/off
312621.002.76	L 600, B 160, H 58	830	2050	17	121	23,5	DALI
312621.002.1 *	L 600, B 160, H 58	840	1300...2100	10...17	134	21,9...23,6	on/off
312621.002.1.76	L 600, B 160, H 58	840	2100	17	124	23,6	DALI
Length L 1200 mm							
312622.002 *	L 1200, B 160, H 58	830	3150...4750	25...38	132	22,6...24	on/off
312622.002.76	L 1200, B 160, H 58	830	4750	38	125	24	DALI
312622.002.1 *	L 1200, B 160, H 58	840	3300...4950	25...38	137	22,7...24,1	on/off
312622.002.1.76	L 1200, B 160, H 58	840	4950	38	131	24,1	DALI
Length L 1500 mm							
312623.002 *	L 1500, B 160, H 58	830	5500...7150	42...57	131	23,8...24,7	on/off
312623.002.76	L 1500, B 160, H 58	830	7150	57	126	24,7	DALI
312623.002.1 *	L 1500, B 160, H 58	840	5700...7400	42...57	136	23,9...24,8	on/off
312623.002.1.76	L 1500, B 160, H 58	840	7400	57	130	24,8	DALI

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 10 W ≈

2 x 18 W T26 (52 W Psys)

LED 17 W ≈

3 x 18 W T26 (78 W Psys)

LED 25 W ≈

2 x 36 W T26 (74 W Psys)

LED 38 W ≈

3 x 36 W T26 (111 W Psys)

LED 42 W ≈

2 x 58 W T26 (118 W Psys)

LED 57 W ≈

3 x 58 W T26 (177 W Psys)

Ceiling and wall luminaires | PLANADO

Type of protection: **IP 54** ceiling mounting, **IP 50** wall mounting

Protection class: I

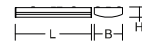
Impact protection: IK05

Housing and end caps made of sheet steel, powder coated. Curved diffuser made of non-yellowing plastic (PMMA), opal. Specially matched 2-component optical system for homogeneous and soft illumination of the entire light-emitting surface. End caps with hidden screws, with permanently dimensionally stable silicone foam seal. Driver integrated. Replaceable LED unit. Suitable for through-wiring. With sensors or as a safety luminaire on request.

▽ 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

MultiLumen: 4 steps adjustable luminous flux. Factory setting is the highest luminous flux.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Ceiling and wall luminaires							
Length L 600 mm							
312624.002 *	L 600, B 160, H 58	830	1200...2050	10...17	125	21,5...23,3	on/off
312624.002.76	L 600, B 160, H 58	830	2050	17	121	23,3	DALI
312624.002.1 *	L 600, B 160, H 58	840	1250...2050	10...17	130	21,6...23,3	on/off
312624.002.1.76	L 600, B 160, H 58	840	2050	17	121	23,3	DALI
Length L 1200 mm							
312625.002 *	L 1200, B 160, H 58	830	3100...4600	25...38	124	22,4...23,8	on/off
312625.002.76	L 1200, B 160, H 58	830	4600	38	122	23,8	DALI
312625.002.1 *	L 1200, B 160, H 58	840	3200...4800	25...38	128	22,5...23,9	on/off
312625.002.1.76	L 1200, B 160, H 58	840	4800	38	127	23,9	DALI
Length L 1500 mm							
312626.002 *	L 1500, B 160, H 58	830	5350...6900	42...57	128	23,5...24,4	on/off
312626.002.76	L 1500, B 160, H 58	830	6900	57	122	24,4	DALI
312626.002.1 *	L 1500, B 160, H 58	840	5550...7200	42...57	133	23,6...24,5	on/off
312626.002.1.76	L 1500, B 160, H 58	840	7200	57	127	24,5	DALI

* **MultiLumen:** Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 10 W ≈

2 x 18 W T26 (52 W Psys)

LED 17 W ≈

3 x 18 W T26 (78 W Psys)

LED 25 W ≈

2 x 36 W T26 (74 W Psys)

LED 38 W ≈

3 x 36 W T26 (111 W Psys)

LED 42 W ≈

2 x 58 W T26 (118 W Psys)

LED 57 W ≈

3 x 58 W T26 (177 W Psys)



DALI



IP40

LAVANO® UNO

Ceiling and wall luminaires

ARCHITECTURE

- **Design-oriented:** High quality and elegant design.
- **Expressive:** High quality aluminium profile housing.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA).
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Guaranteed:** Glarefree light.
- **Efficient:** Luminous efficacy up to 132 lm/W.
- **Striking:** The special design of the diffuser generates brightly sparkling direct light along the contour of the ellipse.

INSTALLATION

- **Advantageous:** Can be installed horizontally and vertically.
- **Applicable:** Ideal for sanitary areas, corridors, waiting areas, nursing homes, patient rooms.

Ceiling and wall luminaires | LAVANO UNO

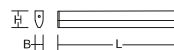
Type of protection: **IP 40**

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: 0 = white aluminium



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Ceiling and wall luminaires						
Price Category 21						
Length L 580 mm						
451198.000	L 580, B 40, H 83	830	1250	13	97	on/off
451198.000.76	L 580, B 40, H 83	830	1250	13	97	DALI
Length L 1140 mm						
451199.000	L 1140, B 40, H 83	830	2500	19	132	on/off
451199.000.76	L 1140, B 40, H 83	830	2500	19	132	DALI

Light colour 840 on request.

Comparison LED vs. conventional lamps

LED 13 W ≈

1 x 36 W T26 (37 W Psys)

LED 19 W ≈

1 x 58 W T26 (59 W Psys)



AVIATO

Ceiling and wall luminaires

ARCHITECTURE

- **Extensive:** 3 lengths, 2 designs, 3 colours.
- **Long service life:** Diffuser made of non-yellowing plastic (PMMA), opal.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Advantageous:** CRI >90 for the most realistic possible perception of colours of surroundings, objects and people.

INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Standard:** Suitable for through-wiring.

Ceiling and wall luminaires | AVIATO

Type of protection: **IP 40**

Protection class: I

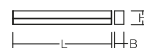
Impact protection: IK03

Extruded aluminium profile base, lacquered. End cap painted metal, without visible screws. Angular diffuser made of non-yellowing plastic (PMMA), opal. Diffuser can be assembled without the use of tools. Driver integrated. Replaceable LED unit. Through-wiring for additional luminaires.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 3000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Linear luminaires						
Length L 600 mm						
451227.00X	L 600, B 56, H 82	930, 940	1050...1550	8,5...12	129	on/off
451227.00X.76	L 600, B 56, H 82	930, 940	1050...1550	8,5...12	129	DALI
Length L 900 mm						
451228.00X	L 900, B 56, H 82	930, 940	1500...2200	12...17	133	on/off
451228.00X.76	L 900, B 56, H 82	930, 940	1500...2200	12...17	133	DALI
Length L 1200 mm						
451229.00X	L 1200, B 56, H 82	930, 940	2200...3300	18...24	138	on/off
451229.00X.76	L 1200, B 56, H 82	930, 940	2200...3300	18...24	138	DALI

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com. Special colours on request.

Comparison LED vs. conventional lamps

LED 8,5 W ≈

1 x 21 W T16 (24 W Psys)

LED 12 W ≈

1 x 28 W T16 (31 W Psys)

LED 17 / 18 W ≈

1 x 49 W T16 (53 W Psys)

LED 24 W ≈

1 x 80 W T16 (86 W Psys)



Ceiling and wall luminaires | AVIATO

Type of protection: **IP 40**

Protection class: I

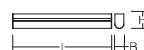
Impact protection: IK03

Extruded aluminium profile base, lacquered. End cap painted metal, without visible screws. Semicircular diffuser made of non-yellowing plastic (PMMA), opal. Diffuser can be assembled without the use of tools. Driver integrated. Replaceable LED unit. Through-wiring for additional luminaires.

Available colours (X): 2 = white, 3 = black, 45 = white aluminium

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 3000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Linear luminaires						
Length L 600 mm						
451224.00X	L 600, B 56, H 88	930, 940	1050...1600	8,5...12	135	on/off
451224.00X.76	L 600, B 56, H 88	930, 940	1050...1600	8,5...12	135	DALI
Length L 900 mm						
451225.00X	L 900, B 56, H 88	930, 940	1500...2250	12...17	133	on/off
451225.00X.76	L 900, B 56, H 88	930, 940	1500...2250	12...17	133	DALI
Length L 1200 mm						
451226.00X	L 1200, B 56, H 88	930, 940	2250...3350	18...24	140	on/off
451226.00X.76	L 1200, B 56, H 88	930, 940	2250...3350	18...24	140	DALI

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com. Special colours on request.

Comparison LED vs. conventional lamps

LED 8,5 W ≈

1 x 21 W T16 (24 W Psys)

LED 12 W ≈

1 x 28 W T16 (31 W Psys)

LED 17 / 18 W ≈

1 x 49 W T16 (53 W Psys)

LED 24 W ≈

1 x 80 W T16 (86 W Psys)





IP44

RT 44

Linear light fittings

ARCHITECTURE

- **Extensive:** Variants with movement sensor, push button switch and Schukoplug socket.
- **Homogenous:** Soft and homogeneous illumination through opal diffuser.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Protected:** High type of protection: IP44 for use in wet areas.
- **Clever:** Basic luminaire measuring 600 mm is the ideal size for mirrors.

INSTALLATION

- **Easy installation:** Very easy installation thanks to plug & play connection.
- **Advantageous:** Can be installed horizontally and vertically.

Linear light fittings | RT 44

Type of protection: **IP 44**, IP 21, if European flat plugs are used

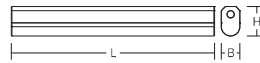
Protection class: I

Impact protection: IK03

Base: aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.

End caps: plastic (polycarbonate), shock-resistant.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 11
Wall and mirror luminaires							
451168.002	L 600, B 55, H 87	830	920	10	92	on/off	
451168.002.1	L 600, B 55, H 87	840	970	10	97	on/off	
451169.002	L 900, B 55, H 87	830	1400	15	94	on/off	
451169.002.1	L 900, B 55, H 87	840	1500	15	100	on/off	
with push button switch and Schukoplug socket							
451174.002	L 721, B 55, H 87	830	920	10	92	on/off	
451174.002.1	L 721, B 55, H 87	840	970	10	97	on/off	
451175.002	L 1021, B 55, H 87	830	1400	15	94	on/off	
451175.002.1	L 1021, B 55, H 87	840	1500	15	100	on/off	

Comparison LED vs. conventional lamps

LED 10 W ≈

1 x 24 W T16 (26 W P_{sys})

LED 15 W ≈

1 x 28 W T16 (31 W P_{sys})



Push button switch



Schukoplug socket

Linear light fittings | RT 44 - movement sensor

Type of protection: **IP 44**

Protection class: I

Impact protection: IK02

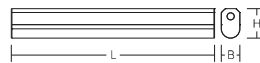
Base: aluminium, powder-coated. Diffuser: plastic (polycarbonate), opal.

End caps: plastic (polycarbonate), shock-resistant.

Available colour: 2 = white

Functional parameters of the IR 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.

- Range 1-8 m in diameter, adjustable.
- Time control approx. 1 - 30 minutes, adjustable
- Coverage: 360° horizontally and approx. 110° vertically.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 11
Wall and mirror luminaires with integrated movement sensor							
451168.002.19	L 657, B 55, H 87	830	920	10	92	on/off	
451168.002.1.19	L 657, B 55, H 87	840	970	10	97	on/off	



Comparison LED vs. conventional lamps

LED 10 W ≈

1 x 24 W T16 (26 W P_{sys})



IP44

IK07

BALEVA®

Ceiling and wall luminaires

ARCHITECTURE

- **Protected:** High type of protection: IP44 for use in wet areas.
- **Applicable:** Ideal for sanitary areas, corridors, waiting areas, nursing homes, patient rooms.

LIGHTING DESIGN

- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Homogenous:** Soft and homogeneous illumination through opal diffuser.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Funktional:** 2 central cable inlets for looping the cable.
- **Advantageous:** Can be installed horizontally and vertically.

Ceiling and wall luminaires | BALEVA

Type of protection: **IP 40** Ceiling mounting, **IP 44** wall mounting

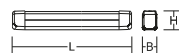
Protection class: II

Impact protection: IK07

Body and end caps made of white plastic. Diffuser made of plastic (polycarbonate),
pal, shockproof. Converter integrated and encapsulated.

Available colour: 2 = white

MultiColour - Colour temperature adjustable via switching element. Factory setting is 4000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 11
Linear luminaires							
451215.002.2	L 500, B 46, H 60	830, 840	1000	9	112	on/off	
451201.002.2 .Q	L 600, B 46, H 60	830, 840	1100	10	110	on/off	
451202.002.2	L 900, B 46, H 60	830, 840	1650	15	110	on/off	
451203.002.2	L 1200, B 46, H 60	830, 840	2200	19	116	on/off	

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

**Comparison
LED vs. conventional lamps**
LED 9 / 10 W ≈

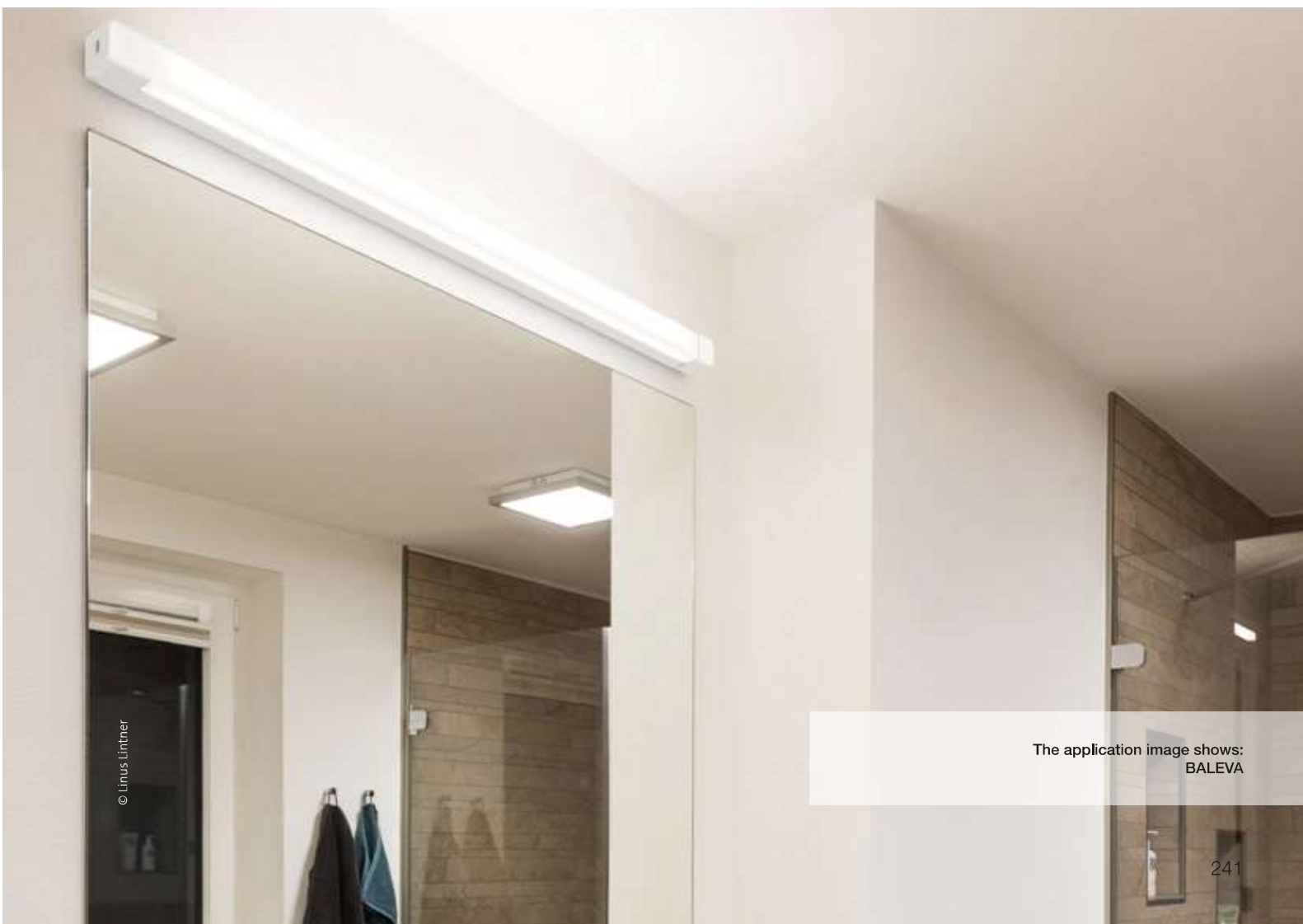
1 x 21 W T16 (24 W Psys)

LED 15 W ≈

1 x 39 W T16 (41 W Psys)

LED 19 W ≈

1 x 49 W T16 (53 W Psys)



The application image shows:
BALEVA



IP40



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 [mm]	Light source	Lighting control
Linear luminaires			Price Category 11
40120.002.1 *	L 315, B 55, H 80	2 x E14® max. 40 W	on/off
40130.002.1 *	L 457, B 55, H 80	3 x E14® max. 40 W	on/off
with push button switch			
40122.002.1 *	L 315, B 55, H 80	2 x E14® max. 40 W	on/off
40132.002.1 *	L 457, B 55, H 80	3 x E14® max. 40 W	on/off
with Schuko plug socket			
40123.002.1 *	L 355, B 55, H 80	2 x E14® max. 40 W	on/off
40133.002.1 *	L 500, B 55, H 80	3 x E14® max. 40 W	on/off
with push button switch and Schuko plug socket			
40125.002.1 *	L 355, B 55, H 80	2 x E14® max. 40 W	on/off
40135.002.1 *	L 500, B 55, H 80	3 x E14® max. 40 W	on/off

* Dimmability depends on light source.



Ceiling and wall luminaires | STRIP-LIGHT

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.

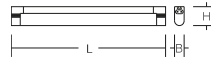
Suitable for mounting on or into furniture.

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

MultiColour - Colour temperature adjustable via switching element. Factory setting is 4000 K.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control
Linear luminaires						Price Category 11
451156.002.2	L 277, B 28, H 38	830, 840	400	4	100	on/off
451157.002.2	L 505, B 28, H 38	830, 840	720	7	103	on/off
451181.002.2	L 538, B 28, H 38	830, 840	850	8,6	99	on/off
451158.002.2	L 838, B 28, H 38	830, 840	1350	13	104	on/off
451159.002.2	L 1138, B 28, H 38	830, 840	1750	17	103	on/off
451160.002.2	L 1438, B 28, H 38	830, 840	2200	21	105	on/off

MultiColour: luminous flux and system power can vary depends on the light color. You will find more detailed information on www.rzb-lighting.com.

Accessories			Price Category 11			
981464.002	L 300	Connecting cable				
981466.002	L 600	Connecting cable				
981467.002	L 900	Connecting cable				
981457.002	L 1800	Power supply cable (Europlug with socket)				

Comparison LED vs. conventional lamps

LED 4 W ≈

1 x 13 W T16 (15 W Psys)

LED 7 W ≈

1 x 14 W T16 (16 W Psys)

LED 8,6 W ≈

1 x 21 W T16 (24 W Psys)

LED 13 W ≈

1 x 28 W T16 (31 W Psys)

LED 17 W ≈

1 x 35 W T16 (38 W Psys)

LED 21 W ≈

1 x 49 W T16 (53 W Psys)



IP40



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 [mm]	Light source	Lighting control
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
41120.002.1	L 500, B 35, H 58	1 x L-DE 60 W	on/off
with push button switch			
41111.002.1	L 300, B 35, H 58	1 x L-DE 35 W	on/off
41121.002.1	L 500, B 35, H 58	1 x L-DE 60 W	on/off

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 [mm]	Light source	Lighting control
Striplights			Price Category 11
without push button switch			
41530.00X	L 300, B 35, H 58	1 x L-DE 35 W	on/off
41510.00X	L 500, B 35, H 58	1 x L-DE 60 W	on/off
41520.00X	L 1000, B 35, H 58	1 x L-DE 120 W	on/off
with push button switch			
41531.00X	L 300, B 35, H 58	1 x L-DE 35 W	on/off
41511.00X	L 500, B 35, H 58	1 x L-DE 60 W	on/off
41521.00X	L 1000, B 35, H 58	1 x L-DE 120 W	on/off

ISO lampholders for linear lamps

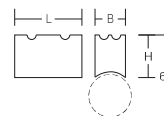
Type of protection: IP 20

Protection class: II

Impact protection: IK02

Individual lampholder. Without strain relief for connecting cable.

Available colour: 2 = white



Reference number	Dimensions [mm]	Lighting control
Individual lampholder		
for lamps with central sockets		
41401.002	L 60, B 23, H 38	1 x L 35 W (S14d) on/off
Individual lampholder (pair)		
for lamps with sockets at both ends		
41402.002	L 60, B 23, H 38	1 x L-DE 35/60/120 W (S14s) on/off

LED linear lamp			Price Category 11
single socket S14d			
10-2334	L 300, D 30	LED L, 300 lm, 5 W, 2700 K, G	

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 8 W T16 (11 W Psys)



The application image shows:
ARENO



249

ARENO
248-249



249

ALU-STANDARD
248-249



249

STANDARD
248-249



IP66

OVAL BULKHEAD LUMINAIRES

Die-cast aluminium oval bulkhead luminaires, Oval bulkhead luminaires, plastic

ARCHITECTURE

- **Classical:** The oval bulkhead luminaire – a classic with a new design.
- **Robust:** Suitable for use in harsh environments.

LIGHTING DESIGN

- **Uniform:** Homogeneous and smooth light distribution.
- **Advantageous:** Diffuser made of textured toughened crystal glass.

INSTALLATION

- **Easy installation:** Speedy installation thanks to external fastening clips.
- **Standard:** Suitable for through-wiring.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Die-cast aluminium oval bulkhead luminaires | ARENO

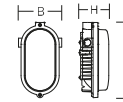
Type of protection: **IP 66**

Protection class: I

Impact protection: IK03

High-quality housing made of pressure die-cast aluminium, powder coated. Diffuser made of textured toughened crystal glass, coated white on one side. Full-surface homogeneous illumination. Bezel ring: powder coated die-cast aluminium, screwed on the luminaire. Drill holes at the inside, with silicone. With three cable inlets: M20x1.5. Replaceable LED unit.

Available colour: 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control
Ceiling and wall luminaires						Price Category 11
501047.004	L 227, B 141, H 87	840	500	8,5	59	on/off

Comparison LED vs. conventional lamps

LED 8,5 W ≈

1 x 75 W A60 (75 W P_{sys})

1 x 13 W TC-D (19 W P_{sys})

Die-cast aluminium oval bulkhead luminaires | ALU-STANDARD

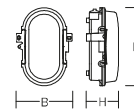
Type of protection: **IP 66**

Protection class: I

Impact protection: IK04

Robust housing: pressure die-cast aluminium, powder coated. Diffuser made of textured toughened crystal glass, opal. Diffuser attached with lateral spring clips. Full-surface homogeneous illumination. Speedy installation thanks to external fastening clips. Three cable inlets. Replaceable LED unit.

Available colour: 4 = silver



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control
Ceiling and wall luminaires						Price Category 11
501045.004	L 171, B 123, H 70	840	740	8,5	87	on/off

Comparison LED vs. conventional lamps

LED 8,5 W ≈

1 x 100 W A60 (100 W P_{sys})

1 x 18 W TC-D (26 W P_{sys})

Oval bulkhead luminaires, plastic | STANDARD

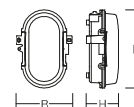
Type of protection: **IP 43** ceiling mounting, **IP 44** wall mounting

Protection class: I

Impact protection: IK04

Housing: plastic. Diffuser made of textured toughened crystal glass, opal. Diffuser attached with lateral spring clips. Full-surface homogeneous illumination. Speedy installation thanks to external fastening clips. Three cable inlets. Replaceable LED unit.

Available colour: 9 = grey



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency [#] [lm/W]	Lighting control
Ceiling and wall luminaires						Price Category 11
501044.009	L 171, B 123, H 70	840	740	8,5	87	on/off

Comparison LED vs. conventional lamps

LED 8,5 W ≈

1 x 100 W A60 (100 W P_{sys})

1 x 18 W TC-D (26 W P_{sys})



The application image shows:
RING OF FIRE



RING OF FIRE
252-257



SIDELITE ELLYPSOID
258-259



FLAT SLIM round
260-261



FLAT SLIM disc
260 | 262



FLAT SLIM step
260 | 263



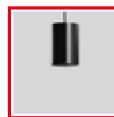
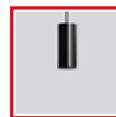
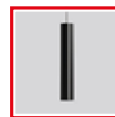
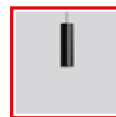
FLAT SLIM square
260 | 264-265



BASIC BALL
266-269



GLASDOWNLIGHT
270-271



DEECOS P
272-285



TOLEDO FLAT
286-287



FLAT POLYMER KREIS SLIM
288-289



FLAT POLYMER
290-291

RING OF FIRE®

Everything at a glance

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



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
or through separate cable.



Tunable white versions, dynamically adjustable from 2700 K to 6500 K.

Ideal for use as part of the Human Centric Lighting concept in connection with RZB light management systems.



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

ARCHITECTURE

- **Expressive:** An interior luminaire that is in a class of its own.
- **Sustainable:** Mouth-blown 3-layer opal glass (Triplex glass) with satin finish.
- **Individual:** Option of hand-finished FerroMurano glass.

LIGHTING DESIGN

- **Standard:** Provides a large amount of indirect light.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Uniform:** Particularly homogeneous, soft and glare-free light.

INSTALLATION

- **Reduced:** Versions with power supply through suspension cable.
- **Versatile:** Pendant luminaires with optional disc.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



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

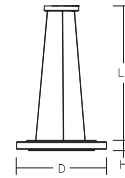
Pendant luminaires | RING OF FIRE

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.

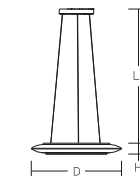
Available colour: 4 = aluminium, anodised

Versions with Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Diameter D 495 mm, canopy Ø 220 mm, h 36 mm							
312261.004.76	D 495, H 55	830	2800	28	100	24,2	DALI
312261.004.730	D 495, H 55	830	2800	28	100	24,2	smart+free
312261.004.1.76	D 495, H 55	840	2900	28	104	24,3	DALI
312261.004.1.730	D 495, H 55	840	2900	28	104	24,3	smart+free
Tunable White - 2700 K to 6500 K							
312261.004.2.730	D 495, H 55	827-865	2450	31	79	23,6...23,8	smart+free



Applies to versions with .76

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: 4 = aluminium, anodised, 5 = gold

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

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Diameter D 495 mm, canopy Ø 220 mm, h 36 mm							
311669.004.76	D 495, H 55	830	2800	28	100	22,6	DALI
311669.004.730	D 495, H 55	830	2800	28	100	22,6	smart+free
311669.004.1.76	D 495, H 55	840	2900	28	104	23	DALI
311669.004.1.730	D 495, H 55	840	2900	28	104	23	smart+free
Tunable White - 2700 K to 6500 K							
311669.004.2.730	D 495, H 55	827-865	2250	31	73	22...22,2	smart+free
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
311570.004.76	D 690, H 81	830	4050	37	109	22,5	DALI
311570.004.730	D 690, H 81	830	4050	37	109	22,5	smart+free
311570.004.1.76	D 690, H 81	840	4150	37	112	22,6	DALI
311570.004.1.730	D 690, H 81	840	4150	37	112	22,6	smart+free
312546.004.76	D 690, H 81	830	5550	71	78	23,4	DALI
312546.004.730	D 690, H 81	830	5550	71	78	23,4	smart+free
312546.004.1.76	D 690, H 81	840	5800	71	82	23,6	DALI
312546.004.1.730	D 690, H 81	840	5800	71	82	23,6	smart+free
Tunable White - 2700 K to 6500 K							
311570.004.2.730	D 690, H 81	827-865	3500	38	92	21,8...22	smart+free

Pendant luminaires - Canopy, bezel ring and supporting ring 24 carat gold-plated							Price Category 21
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
311570.005.76	D 690, H 81	830	4050	37	109	22,5	DALI

Comparison LED vs. conventional lamps

LED 28 / 31 W ≈
1 x 55 W T16-R (60 W Psys)

LED 37 / 38 W ≈
3 x 26 W TC-D (102 W Psys)
1 x 22 + 40 W T16-R (70 W Psys)

LED 71 W ≈
2 x 55 W T16-R (120 W Psys)





Comparison

LED vs. conventional lamps

LED 59 W ≈

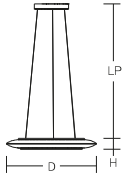
2 x 55 W T16-R (120 W Psys)

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. Power supply through separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 4 = aluminium, anodised



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
311682.004.76	D 690, H 81	830	5800	59	98	17,4	DALI
311682.004.1.76	D 690, H 81	840	5900	59	100	17,4	DALI

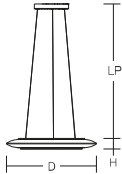


Pendant luminaires | RING OF FIRE

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. Power supply through separate cable. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

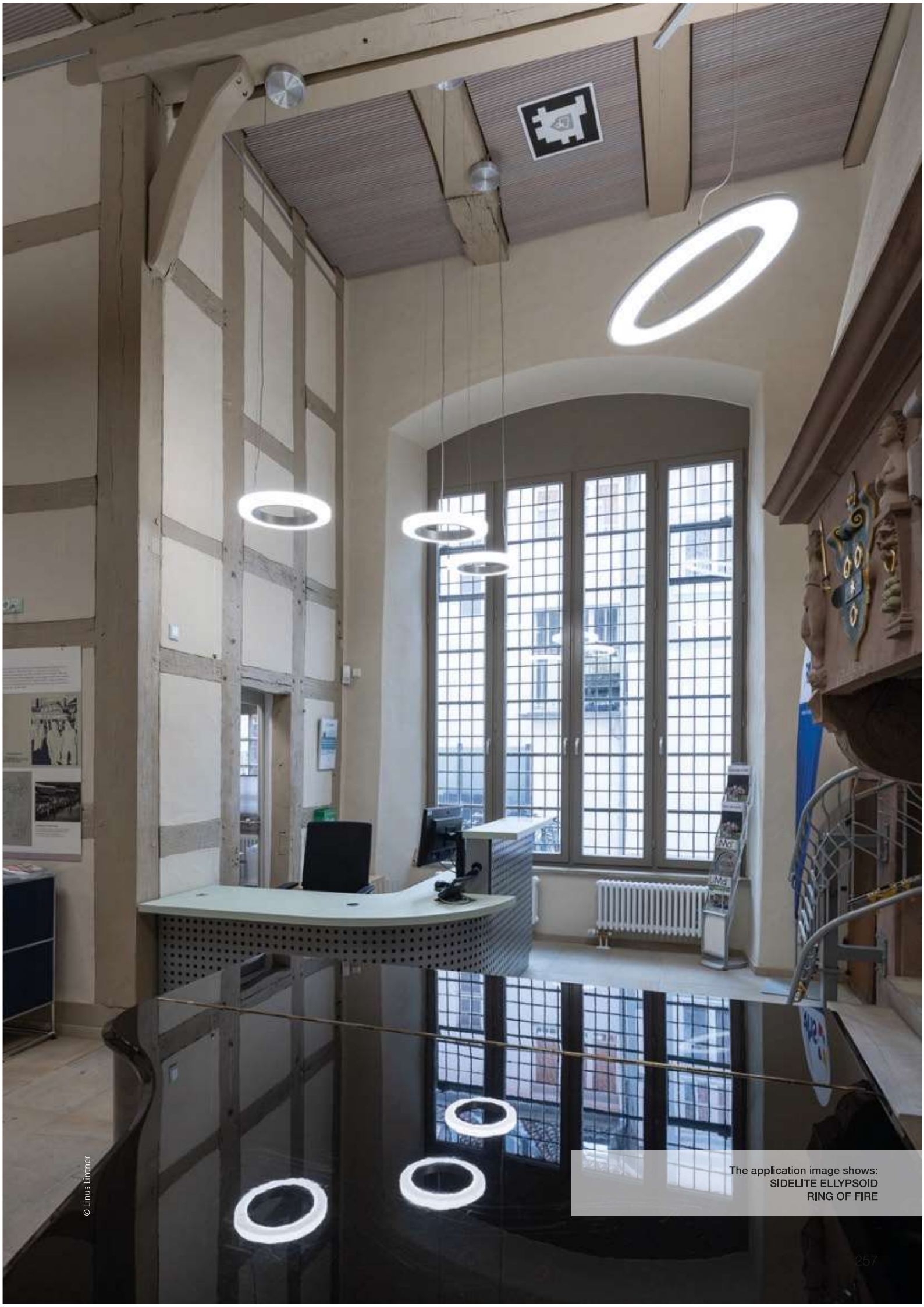
Available colour: 4 = aluminium, anodised



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires							
Diameter D 690 mm, canopy Ø 260 mm, h 40 mm							
Glass FerroMurano red							
311674.004.76	D 690, H 81	830	5150	59	87	16,5	DALI
311674.004.1.76	D 690, H 81	840	5250	59	89	16,5	DALI
Glass FerroMurano blue							
311675.004.76	D 690, H 81	830	5150	59	87	16,4	DALI
311675.004.1.76	D 690, H 81	840	5250	59	89	16,5	DALI
Glass FerroMurano white							
311691.004.76	D 690, H 81	830	5650	59	96	17,2	DALI
311691.004.1.76	D 690, H 81	840	5800	59	98	17,3	DALI

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







Tunable White



HCL ready



UGR ≤ 19



DALI



Casambi
smart+
free



Touch DIM



SIDELITE® ELLYPSOID

Pendant luminaires

ARCHITECTURE

- **Design-oriented:** Minimalist design. Extremely low installed height.
- **Reduced:** This lighting fixture's diffuser is incorporated into an extruded aluminium profile just 15 mm thick.
- **Long service life:** Lightguide and plastic diffuser made of non-yellowing PMMA.

LIGHTING DESIGN

- **Anti-glare:** Models suitable for office areas and computer workstations.
- **Dynamic:** Tunable White versions are predestined for use in the context of Human Centric Lighting (HCL) in combination with RZB light management systems.
- **Uniform:** Lateral light emission (RZB SIDELITE® technology) for homogeneous light distribution.

INSTALLATION

- **Easy installation:** Quick and easy to install.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.

Pendant luminaires | SIDELITE ELLYPSOID

Type of protection: IP 20

Protection class: I

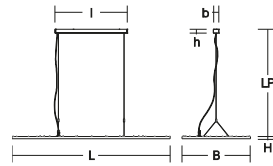
Impact protection: IK03

Suspension Length: 500-1200 mm

Anodised aluminium frame. Diffuser: pastic (PMMA), opal/micropismatic. 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 Casambi smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	UGR	Lighting control
Pendant luminaires - 60% direct and 40% indirect light emission							
311662.000.76	L 1204, B 521, H 15	830	8350	71	118	16,7	DALI
311662.000.730	L 1204, B 521, H 15	830	8350	71	118	16,7	smart+free
311662.000.1.76	L 1204, B 521, H 15	840	8950	71	126	16,9	DALI
311662.000.1.730	L 1204, B 521, H 15	840	8950	71	126	16,9	smart+free
Tunable White - 2700 K to 6500 K							
311662.000.2.76	L 1204, B 521, H 15	827-865	5450	51	107	15,8...16	DALI
311662.000.2.730	L 1204, B 521, H 15	827-865	5450	51	107	15,8...16	smart+free

Light colour 827 on request.



Applies to versions with .76

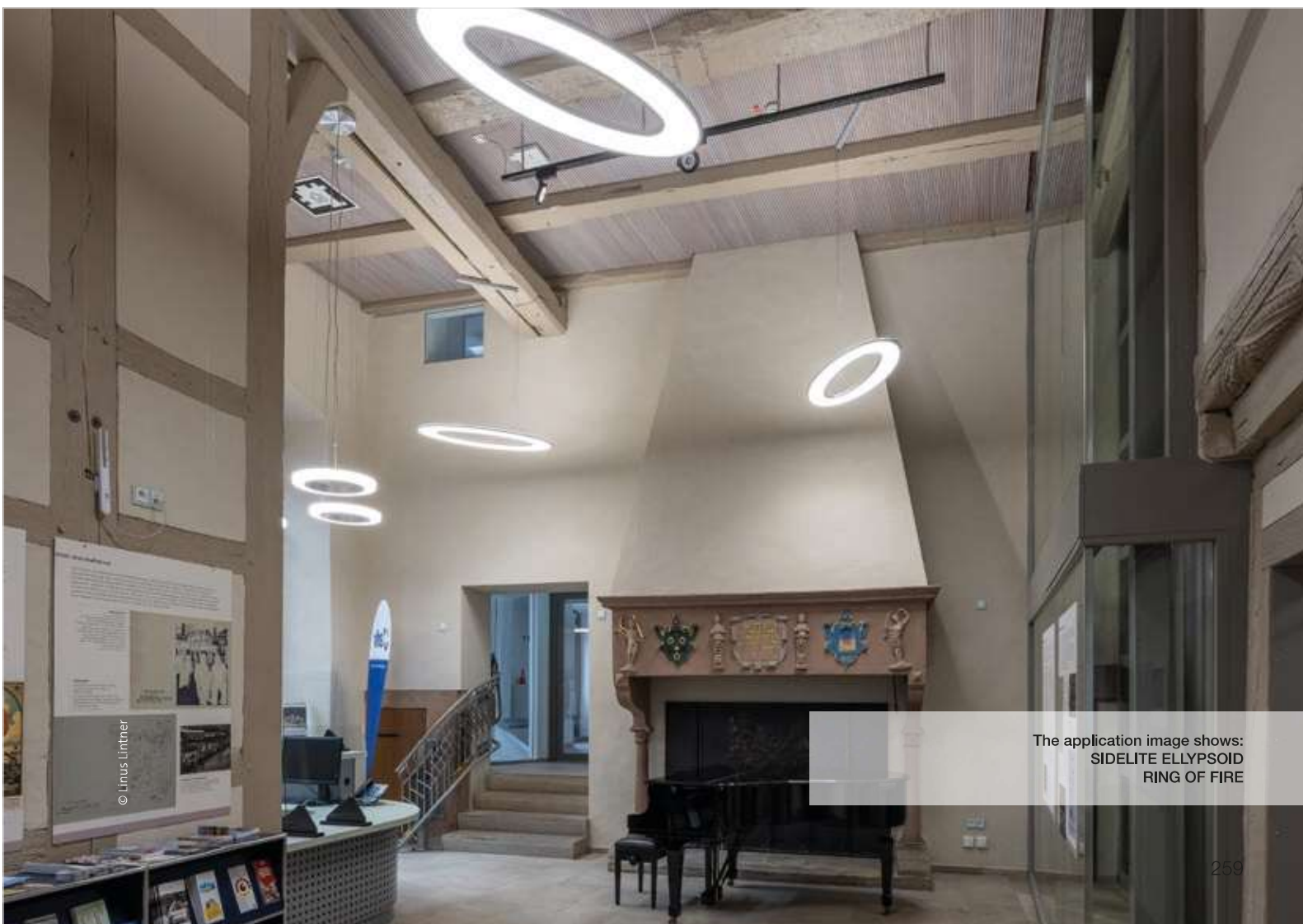
Comparison LED vs. conventional lamps

LED 51 W ≈

3 x 28 W T16 (92 W Psys)

LED 71 W ≈

4 x 39 W T16 (164 W Psys)



The application image shows:
**SIDELITE ELLYPSOID
RING OF FIRE**



FLAT SLIM

Pendant luminaires

ARCHITECTURE

- **Extensive:** Pendant luminaires, ceiling and wall luminaires.
- **Individual:** Round diffuser made of mouth-blown 3-layer opal glass (Triplex glass) with satin finish or opal plastic (PMMA/PC), square diffuser made of matt or gloss crystal glass.
- **Integrated:** Standard Gore™ Protective Vents diaphragm valve to avoid condensation.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

LIGHTING DESIGN

- **Flexible:** MultiLumen - 2-step adjustable luminous flux.
- **Variable:** MultiColour - Colour temperature individually adjustable either 3000 K or 4000 K.
- **Uniform:** Particularly homogeneous, soft and glare-free light thanks to the use of large size LED boards.

INSTALLATION

- **Easy installation:** Installation could not be easier thanks to Plug & Play.
- **Straightforward:** Diffuser can be assembled without the use of tools.
- **Standard:** Suitable for through-wiring.
- **Connected:** Versions with Casambi smart+free Bluetooth® control system for wireless network.



Further luminaires of this series, see:

Indoor lighting | Ceiling and wall luminaires - decorative
Outdoor lighting | House number luminaires

Pendant luminaires | FLAT SLIM round

Type of protection: **IP 40**

Protection class: **I**

Suspension Length: 500-1500 mm

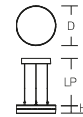
Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated. Mouth-blown three layer (triplex) opal glass satin finish or plastic diffuser (PMMA/PC) opal satin finish. Diffuser fastening: bayonet system, LED module can be connected without use of tools, 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request. Transparent connecting cable.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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

Versions with Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control	Price Category 11
Pendant luminaires							
Diffuser: glass							
D 300 mm							
312641.00X	D 300, H 70	830, 840	1250...2500	13...26	100	on/off	
312641.00X.76	D 300, H 70	830, 840	1250...2500	13...26	100	DALI	
312641.00X.730	D 300, H 70	830, 840	1250...2500	13...26	100	smart+free	
D 400 mm							
312643.00X	D 400, H 70	830, 840	2450...4000	25...41	100	on/off	
312643.00X.76	D 400, H 70	830, 840	2450...4000	25...41	100	DALI	
312643.00X.730	D 400, H 70	830, 840	2450...4000	25...41	100	smart+free	
D 480 mm							
312645.00X	D 480, H 70	830, 840	3350...5000	31...48	113	on/off	
312645.00X.76	D 480, H 70	830, 840	3350...5000	31...48	113	DALI	
312645.00X.730	D 480, H 70	830, 840	3350...5000	31...48	113	smart+free	
Diffuser: plastic (PMMA)							
D 300 mm							
312642.00X	D 300, H 70	830, 840	1300...2450	11...20	123	on/off	
312642.00X.76	D 300, H 70	830, 840	1300...2450	11...20	123	DALI	
312642.00X.730	D 300, H 70	830, 840	1300...2450	11...20	123	smart+free	
D 400 mm							
312644.00X	D 400, H 70	830, 840	2400...4150	20...33	130	on/off	
312644.00X.76	D 400, H 70	830, 840	2400...4150	20...33	130	DALI	
312644.00X.730	D 400, H 70	830, 840	2400...4150	20...33	130	smart+free	
D 480 mm							
312646.00X	D 480, H 70	830, 840	3450...5150	26...39	138	on/off	
312646.00X.76	D 480, H 70	830, 840	3450...5150	26...39	138	DALI	
312646.00X.730	D 480, H 70	830, 840	3450...5150	26...39	138	smart+free	
Diffuser: plastic (polycarbonate)							
D 300 mm							
312642.00X.1	D 300, H 70	830, 840	1450...2450	11...18	136	on/off	
312642.00X.1.76	D 300, H 70	830, 840	1450...2450	11...18	136	DALI	
312642.00X.1.730	D 300, H 70	830, 840	1450...2450	11...18	136	smart+free	
D 400 mm							
312644.00X.1	D 400, H 70	830, 840	2450...4100	18...29	141	on/off	
312644.00X.1.76	D 400, H 70	830, 840	2450...4100	18...29	141	DALI	
312644.00X.1.730	D 400, H 70	830, 840	2450...4100	18...29	141	smart+free	
D 480 mm							
312646.00X.1	D 480, H 70	830, 840	3500...5150	24...35	152	on/off	
312646.00X.1.76	D 480, H 70	830, 840	3500...5150	24...35	152	DALI	
312646.00X.1.730	D 480, H 70	830, 840	3500...5150	24...35	152	smart+free	

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

Comparison LED vs. conventional lamps

LED 11 / 13 W ≈

1 x 26 W TC-D (34 W Psys)

LED 18 / 20 / 25 / 26 W ≈

2 x 26 W TC-D (68 W Psys)

LED 24 / 31 W ≈

3 x 26 W TC-D (102 W Psys)

LED 29 / 33 / 41 W ≈

4 x 26 W TC-D (136 W Psys)

LED 35 / 39 / 48 W ≈

2 x 57 W TC-TEL (116 W Psys)





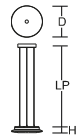
Comparison
LED vs. conventional lamps

- LED 11 W ≈**
1 x 26 W TC-D (34 W Psys)
- LED 24 / 25 W ≈**
2 x 26 W TC-D (68 W Psys)
- LED 30 W ≈**
3 x 26 W TC-D (102 W Psys)
- LED 41 W ≈**
4 x 26 W TC-D (136 W Psys)
- LED 44 W ≈**
2 x 57 W TC-TEL (116 W Psys)

Pendant luminaires | FLAT SLIM disc

Type of protection: **IP 40**, IP 20 (D 560 mm)
Protection class: **I**
Suspension Length: 500-1500 mm

Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated.
Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system.
LED module can be connected without use of tools. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request. Transparent connecting cable.



MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element. Factory setting is 3000 K.

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

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

Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Pendant luminaires						Price Category 11
D 380 mm						
312650.00X	D 380, H 70	830, 840	1150...2500	11...24	105	on/off
312650.00X.76	D 380, H 70	830, 840	1150...2500	11...24	105	DALI
312650.00X.730	D 380, H 70	830, 840	1150...2500	11...24	105	smart+free
D 480 mm						
312651.00X	D 480, H 70	830, 840	2450...4000	25...41	100	on/off
312651.00X.76	D 480, H 70	830, 840	2450...4000	25...41	100	DALI
312651.00X.730	D 480, H 70	830, 840	2450...4000	25...41	100	smart+free
D 560 mm						
312652.00X	D 560, H 70	830, 840	3500...5150	30...44	120	on/off
312652.00X.76	D 560, H 70	830, 840	3500...5150	30...44	120	DALI
312652.00X.730	D 560, H 70	830, 840	3500...5150	30...44	120	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Pendant luminaires | FLAT SLIM step

 Type of protection: **IP 40**

 Protection class: **I**

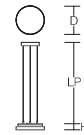
Suspension Length: 500-1500 mm

Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated.
 Mouth blown 3-layer opal glass (Triplex glass) with satin finish. Diffuser fastening: bayonet system.
 LED module can be connected without use of tools. 3-point steel cable suspension, steplessly adjustable. Special lengths are available on request. Transparent connecting cable.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature individually adjustable either 3000 K or 4000 K via switching element.
 Factory setting is 3000 K.

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

 Versions with Casambi 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 [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Pendant luminaires						
D 350 mm						
312647.00X	D 350, H 70	830, 840	1200...2500	11...22	114	on/off
312647.00X.76	D 350, H 70	830, 840	1200...2500	11...22	114	DALI
312647.00X.730	D 350, H 70	830, 840	1200...2500	11...22	114	smart+free
D 450 mm						
312648.00X	D 450, H 70	830, 840	2450...4150	24...38	109	on/off
312648.00X.76	D 450, H 70	830, 840	2450...4150	24...38	109	DALI
312648.00X.730	D 450, H 70	830, 840	2450...4150	24...38	109	smart+free
D 530 mm						
312649.00X	D 530, H 70	830, 840	3500...5000	28...40	129	on/off
312649.00X.76	D 530, H 70	830, 840	3500...5000	28...40	129	DALI
312649.00X.730	D 530, H 70	830, 840	3500...5000	28...40	129	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.

**Comparison
LED vs. conventional lamps**
LED 11 W ≈

1 x 26 W TC-D (34 W Psys)

LED 22 / 24 W ≈

2 x 26 W TC-D (68 W Psys)

LED 28 W ≈

3 x 26 W TC-D (102 W Psys)

LED 38 W ≈

4 x 26 W TC-D (136 W Psys)

LED 40 W ≈

2 x 57 W TC-TEL (116 W Psys)





Applies to
versions
with .76

Comparison LED vs. conventional lamps

LED 12 / 13 W ≈

2 x 18 W TC-D (52 W P_{sys})

LED 19 / 21 W ≈

2 x 26 W TC-D (68 W P_{sys})

Pendant luminaires | FLAT SLIM square

Type of protection: **IP 40**

Protection class: I

Impact protection: IK07

Suspension Length: 500-1200 mm

Base: pressure die-cast aluminium, powder-coated. Canopy: aluminium, powder-coated. Diffuser: matt or high-polish crystal glass, painted inside, with fixing device. Diffuser with frame made of pressure die-cast aluminium, powder coated, bonded. Diffuser attached with clip system. With membrane valve as a standard to avoid condensed water. LED module can be connected without use of tools. 4-point steel cable suspension, steplessly adjustable. Special lengths available on request. Transparent connecting cable.

MultiLumen: 2 steps adjustable luminous flux. Factory setting is the highest luminous flux.

MultiColour: Colour temperature adjustable via jumper. Factory setting is 4000 K.

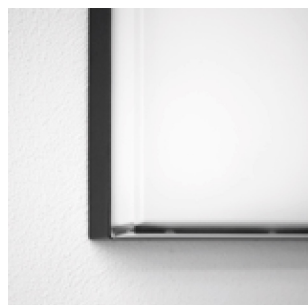
Available colours (X): 2 = white, 31 = anthracite, 4 = silver

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

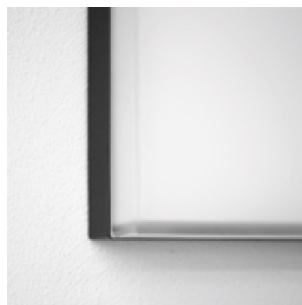


Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Pendant luminaires						
Diffuser: high-polish crystal glass						
312542.00X	L 300, B 300, H 70	830, 840	1250...2200	12...19	116	on/off
312542.00X.76	L 300, B 300, H 70	830, 840	1300...2300	13...21	110	DALI
312542.00X.730	L 300, B 300, H 70	830, 840	1300...2300	13...21	110	smart+free
Diffuser: matt crystal glass						
312541.00X	L 300, B 300, H 70	830, 840	1300...2300	12...19	121	on/off
312541.00X.76	L 300, B 300, H 70	830, 840	1350...2400	13...21	114	DALI
312541.00X.730	L 300, B 300, H 70	830, 840	1350...2400	13...21	114	smart+free

MultiLumen/MultiColour: Specification of the lowest and highest possible lumen output. You will find more detailed information on www.rzb-lighting.com.



Diffuser: high-polish crystal glass



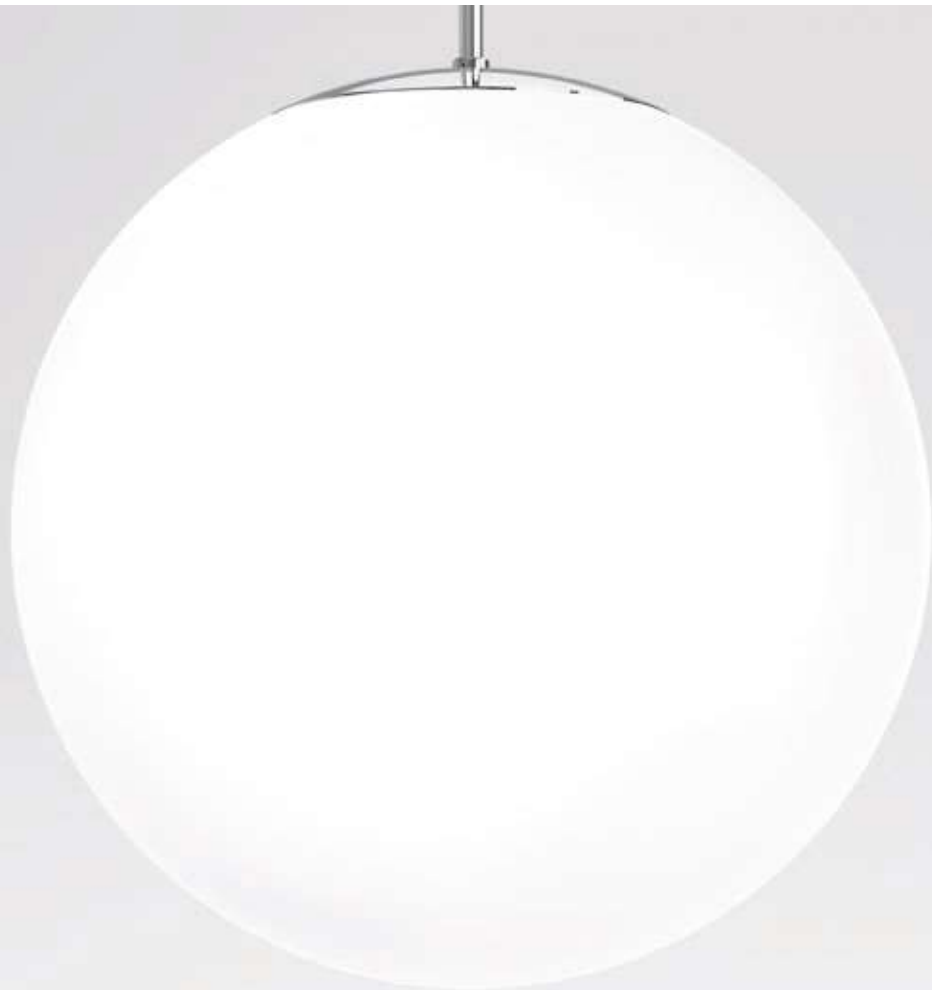
Diffuser: matt crystal glass





© Shutterstock

The application image shows:
FLAT SLIM square



DALI



IP40

IK10

BASIC BALL

Pendant luminaires

ARCHITECTURE

- **Classical:** Pendant luminaire in timelessly classic sphere design.
- **Extensive:** Spheres in four different diameters.
- **Long service life:** Mouth-blown opal glass or shockproof plastic sphere.

LIGHTING DESIGN

- **Anti-glare:** Shadow-free, homogeneous and soft illumination.
- **Advantageous:** LED rated life 50000 h (L80/B10).
- **Optimum:** Colour tolerance within 3-steps MacAdam (3 SDCM).

INSTALLATION

- **Individual:** Steplessly adjustable single-point steel cable suspension or chrome-plated pendant tubes.
- **Sustainable:** Environmentally friendly and resource-saving due to replaceable components.

Pendant luminaires | BASIC BALL - Glass

Type of protection: **IP 40**

Protection class: I

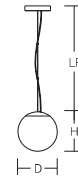
Impact protection: IK02

Suspension Length: 4000 mm

Sphere: opal glass, mouth-blown, satin finish. Canopy: metal, white. White cap.

Power supply cable: white. Single-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Pendant luminaires						Price Category 21
Glass sphere						
D 350 mm						
312105.002.76	D 350, H 350	830	2400	28	86	DALI
312105.002.1.76	D 350, H 350	840	2500	28	89	DALI
312094.002.76	D 350, H 350	830	5800	55	105	DALI
312094.002.1.76	D 350, H 350	840	5950	55	108	DALI
D 400 mm						
312095.002.76	D 400, H 400	830	7900	79	100	DALI
312095.002.1.76	D 400, H 400	840	8100	79	103	DALI
D 500 mm						
312107.002.76	D 500, H 500	830	8150	79	103	DALI
312107.002.1.76	D 500, H 500	840	8400	79	106	DALI
D 600 mm						
312108.002.76	D 600, H 600	830	8200	79	104	DALI
312108.002.1.76	D 600, H 600	840	8450	79	107	DALI

Comparison LED vs. conventional lamps

LED 28 W ≈

2 x 26 W TC-D (68 W Psys)

LED 55 W ≈

3 x 42 W TC-TEL (137 W Psys)

LED 79 W ≈

4 x 42 W TC-TEL (180 W Psys)

Pendant luminaires | BASIC BALL - Plastic

Type of protection: **IP 40**

Protection class: I

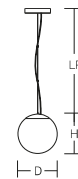
Impact protection: IK10

Suspension Length: 4000 mm

Impact-resistant plastic ball made of UV-stabilized polyethylene (PE), opal, satin finish.

Canopy: metal, white. White cap. Power supply cable: white. Single-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Available colour: 2 = white



Reference number	Dimensions [mm]	Light colour	Luminous flux [lm]	System power [W]	System efficiency* [lm/W]	Lighting control
Pendant luminaires						Price Category 21
Plastic sphere						
D 350 mm						
312109.002.76	D 350, H 350	830	2550	28	91	DALI
312109.002.1.76	D 350, H 350	840	2650	28	95	DALI
312110.002.76	D 350, H 350	830	6150	55	112	DALI
312110.002.1.76	D 350, H 350	840	6350	55	115	DALI
D 400 mm						
312112.002.76	D 400, H 400	830	8550	79	108	DALI
312112.002.1.76	D 400, H 400	840	8850	79	112	DALI
D 500 mm						
312113.002.76	D 500, H 500	830	8650	79	109	DALI
312113.002.1.76	D 500, H 500	840	8900	79	113	DALI
D 630 mm						
312114.002.76	D 630, H 630	830	8600	79	109	DALI
312114.002.1.76	D 630, H 630	840	8900	79	113	DALI

Comparison LED vs. conventional lamps

LED 28 W ≈

2 x 26 W TC-D (68 W Psys)

LED 55 W ≈

3 x 42 W TC-TEL (137 W Psys)

LED 79 W ≈

4 x 42 W TC-TEL (180 W Psys)



White cap