

LIGHT CASE

HIGHBAY LUMINAIRES

LIGHT CASE

Highbay luminaires

HERCULES WITH LEDS

Overawed by the tough industrial design and literally great presence, you might miss something even bigger when you first look at LIGHT CASE. So let's say it right now: Here we see one of the most advanced indoor highbay luminaires of its kind.

This is primarily due to the individual LED modules of this Hercules of lighting technology that can be adjusted in 30 degree steps. Two, three, four or six of the modules that can be swivelled by up to 180 degrees are fitted in the compact die-cast aluminium housing. The output can thus be flexibly configured and combined, depending on the lighting application. The polycarbonate lens optics allow different beam angles and thus additionally increase flexibility.

Whether high-bay warehouse, production hall, airport lobby or retail halls: The enormous luminous intensity is designed for high ceilings - we are talking about up to 32 metres here. "Self-cleaning" cooling fins and the clear separation of LED unit and driver ensure optimum thermal management at all times.

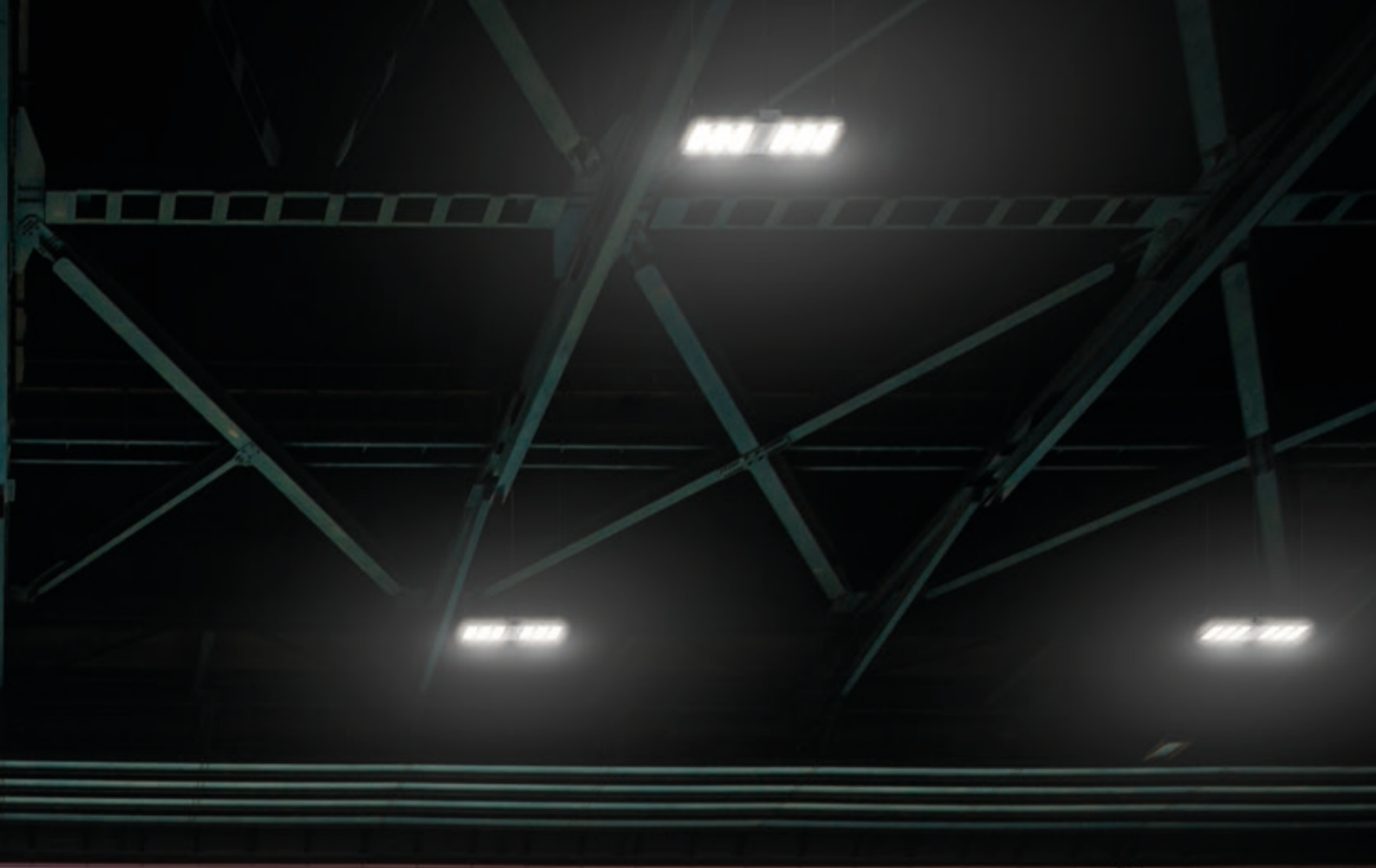
We take outstanding energy efficiency for granted with LIGHT CASE. The same goes for the attributes that make it an "industrial all-rounder", such as uncompromising robustness, thermal resilience and insensitivity to moisture. But also the virtually tool-free installation and maintenance-free operation thanks to the long LED service life.

LIGHT CASE is manufactured from A to Z in the Bamberg plant, which allows customer-specific adaptations down to the last detail.

ADDITIONAL ADVANTAGES

- ⊕ Made in Germany
- ⊕ Compact and flat Highbay
- ⊕ 1:1 substitute for HME / HIE and HSE lamps
- ⊕ **LED module can be swivelled ± 30°**
- ⊕ **LED module can be rotated through 180° for indirect light**
- ⊕ High ingress protection rating: IP 65
- ⊕ ▽ 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
- ⊕ Ball impact proof in accordance with DIN 18032-03.
- ⊕ Operating range - 30°C to +55°C
- ⊕ DALI dimmable converter as standard
- ⊕ DALI converter is compatible with DC, suitable for central battery system
- ⊕ Version with tempered glass for demanding environmental conditions
- ⊕ Optional with integrated movement sensor, or light sensor for daylight detection
- ⊕ Accessories for direct ceiling installation, cable and chain pendant mounting available





LIGHT CASE

Technology



State of the art drivers regulate the LEDs 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. DALI converter is compatible with DC, suitable for central battery system.



Luminaires made of impact resistant polycarbonate

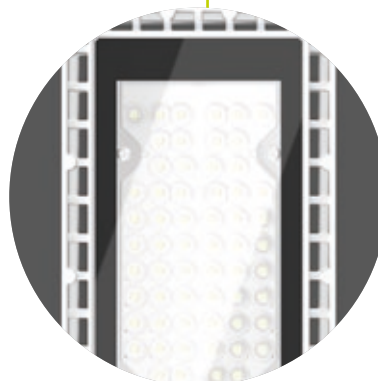


High ingress protection rating: IP 65

Ball impact proof in accordance with DIN 18032-03



Additional cover of single-panetempereed glass for demanding environmental conditions such as atmospheres containing oil and chemicals



Highbay luminaire with 4 modules: Version with integrated movement sensor and light sensor for daylight detection.



With all other versions on request.





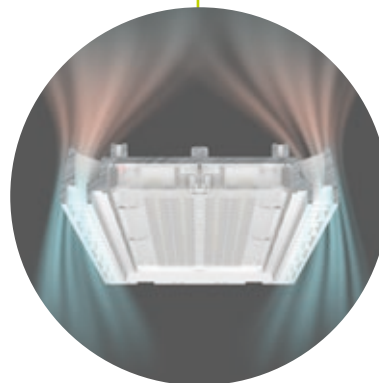
▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected



LED module can be swivelled $\pm 30^\circ$.
There is also the option to rotate the module through 180° for indirect light.

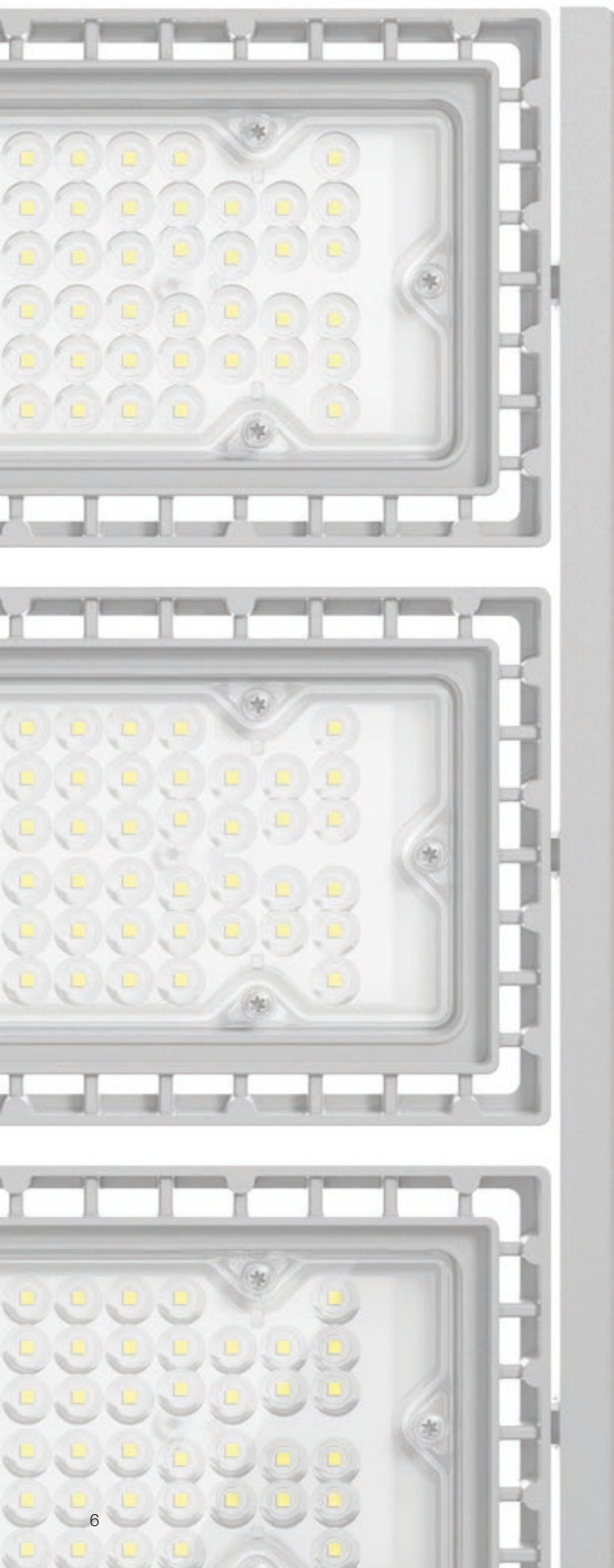


“Self cleaning” heat sink: Vertical cooling ribs prevent dust deposits and ensure constant heat dissipation



LIGHT CASE

Everything at a glance



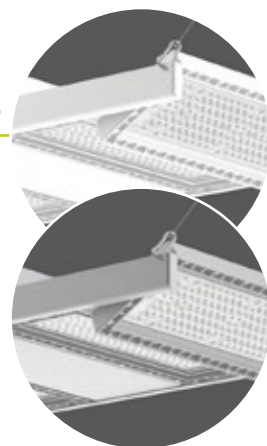
3 LIGHT DISTRIBUTIONS

narrow beam
deep-wide beam
wide beam



2 COLOURS

white
silver metallic



4 SIZES

2 modules
3 modules
4 modules
6 modules





PHOTOMETRICS

- ⊕ Luminous efficiency up to 159 lm/W
- ⊕ LED luminous flux up to 53,300 lm
- ⊕ Colour temperature 4,000 K and 6,500 K
- ⊕ Colour rendering index Ra > 80
- ⊕ Symmetrical light distribution
- ⊕ LED service life > 50,000 h (L_{CL0}) CLO controlled;
for constant light output over the entire lifetime
- ⊕ Good colour consistency within 3-steps MacAdam (3 SDCM)
- ⊕ 1:1 substitute for HME / HIE and HSE lamps

LIGHT CASE

Product overview



Comparison LED vs. conventional lamps

LED 117 W ≈
1 x 250 W HIE (275 W Psys)

Highbay luminaires | Light Case

Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (provided by the client).

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



Reference number	Dimensions [mm]	Lamp	Light colour	Luminous flux [lm]	System power [W]	UGR	dim-able
Highbay luminaires with 2 modules							
Narrow beam light distribution							
921680.00X.76	L 406, B 397, H 110	LED	840	17700	117	22,2	DALI
921680.00X.1.76 *	L 406, B 397, H 110	LED	865	17300	117	22,5	DALI
Light distribution deep-wide beam							
921681.00X.76	L 406, B 397, H 110	LED	840	17700	117	23,4	DALI
921681.00X.1.76 *	L 406, B 397, H 110	LED	865	17400	117	23,4	DALI
Wide beam light distribution							
921682.00X.76	L 406, B 397, H 110	LED	840	17800	117	24,3	DALI
921682.00X.1.76 *	L 406, B 397, H 110	LED	865	17400	117	24,5	DALI

* Photobiological safety according to EN 62471: RG2



Comparison LED vs. conventional lamps

LED 168 W ≈
1 x 400 W HIE (440 W Psys)

Highbay luminaires | Light Case

Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

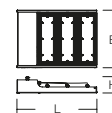
Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (provided by the client).

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



Reference number	Dimensions [mm]	Lamp	Light colour	Luminous flux [lm]	System power [W]	UGR	dim-able
Highbay luminaires with 3 modules							
Narrow beam light distribution							
921683.00X.76	L 544, B 397, H 110	LED	840	26500	168	22,2	DALI
921683.00X.1.76 *	L 544, B 397, H 110	LED	865	26000	168	22,5	DALI
Light distribution deep-wide beam							
921684.00X.76	L 544, B 397, H 110	LED	840	26500	168	23,4	DALI
921684.00X.1.76 *	L 544, B 397, H 110	LED	865	26100	168	23,4	DALI
Wide beam light distribution							
921685.00X.76	L 544, B 397, H 110	LED	840	26700	168	24,3	DALI
921685.00X.1.76 *	L 544, B 397, H 110	LED	865	26100	168	24,5	DALI

* Photobiological safety according to EN 62471: RG2



Highbay luminaires | Light Case

Type of Protection: **IP 65**

Protection Class: I

Impact Protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

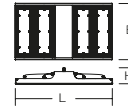
Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (provided by the client).

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



Reference number	Dimensions [mm]	Lamp	Light colour	Luminous flux [lm]	System power [W]	UGR	dim-able
Highbay luminaires with 4 modules							
Narrow beam light distribution							
921686.00X.76	L 680, B 397, H 110	LED	840	35300	225	22,2	DALI
921686.00X.1.76 *	L 680, B 397, H 110	LED	865	34600	225	22,5	DALI
Light distribution deep-wide beam							
921687.00X.76	L 680, B 397, H 110	LED	840	35400	225	23,4	DALI
921687.00X.1.76 *	L 680, B 397, H 110	LED	865	34800	225	23,4	DALI
Wide beam light distribution							
921688.00X.76	L 680, B 397, H 110	LED	840	35600	225	24,3	DALI
921688.00X.1.76 *	L 680, B 397, H 110	LED	865	34800	225	24,5	DALI

* Photobiological safety according to EN 62471: RG2

Comparison LED vs. conventional lamps

LED 225 W \approx
1 x 400 W HIE (440 W Psys)

Highbay luminaires | Light Case ESG

Type of Protection: **IP 65**

Protection Class: I

Impact Protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system.

Additional cover of single-pane tempered glass for demanding environmental conditions such as atmospheres containing oil and chemicals. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

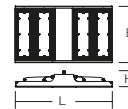
Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (provided by the client).

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



Reference number	Dimensions [mm]	Lamp	Light colour	Luminous flux [lm]	System power [W]	UGR	dim-able
Highbay luminaires with 4 modules							
Wide beam light distribution							
921694.00X.76	L 680, B 397, H 110	LED	840	35600	225	24,3	DALI

Comparison LED vs. conventional lamps

LED 225 W \approx
1 x 400 W HIE (440 W Psys)

LIGHT CASE

Product overview



DALI 1 sensor



DALI 2 sensor

Comparison LED vs. conventional lamps

LED 225 W ≈
1 x 400 W HIE (440 W Psys)



Comparison LED vs. conventional lamps

LED 335 W ≈
3 x 250 W HIE (825 W Psys)

Highbay luminaires | Light Case Sensor

Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK02

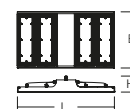
Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life. Built-in DALI sensor for daylight- and presence-dependent lighting control.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

Suitable for chain or steel cable suspension (provided by the client).

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



Light and presence sensor (DALI 1):

Housing: plastic. Functions can be used separately. 2 DALI input addresses. Detection range: 18 m.

Light sensor range: 20-800 lx (measured at the sensor). Installation height: up to 13 m.

Example of use: Walking motion detection of persons: 3-10 m installation height.

Vehicle motion detector (e.g. fork lift): 3-13 m installation height.

Light and presence sensor (DALI 2):

Housing: plastic. Detection range: 12 - 18 m. Detection angle: to 72° .

Light sensor range: 0,5-2000 lx (measured at the sensor). Installation height: 8 - 18 m.

Example of use: Warehouses, corridors, passageways, garages.

Reference number	Dimensions [mm]	Lamp	Light colour	Luminous flux [lm]	System power [W]	UGR	dimmable
Highbay luminaires with 4 modules							
Wide beam light distribution							
DALI 1 sensor							
921692.00X.76	L 680, B 397, H 178	LED	840	35600	225	24,3	DALI
DALI 2 sensor							
921693.00X.76	L 680, B 397, H 131	LED	840	35600	225	24,3	DALI



Highbay luminaires | Light Case

Type of Protection: **IP 65**
Protection Class: I
Impact Protection: IK05

Housing: die cast aluminium and sheet steel, powder-coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control for constant light output over the entire service life.

Ball impact proof in accordance with DIN 18032-03 (except steel cable suspension).

▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected.

With integrated movement sensor and light sensor for daylight detection on request.

Suitable for chain or steel cable suspension (provided by the client).

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



Reference number	Dimensions [mm]	Lamp	Light colour	Luminous flux [lm]	System power [W]	UGR	dimmable
Highbay luminaires with 6 modules							
Narrow beam light distribution							
921689.00X.76	L 956, B 397, H 110	LED	840	53000	335	22,2	DALI
921689.00X.1.76 *	L 956, B 397, H 110	LED	865	52000	335	22,5	DALI
Light distribution deep-wide beam							
921690.00X.76	L 956, B 397, H 110	LED	840	53000	335	23,4	DALI
921690.00X.1.76 *	L 956, B 397, H 110	LED	865	52200	335	23,4	DALI
Wide beam light distribution							
921691.00X.76	L 956, B 397, H 110	LED	840	53300	335	24,3	DALI
921691.00X.1.76 *	L 956, B 397, H 110	LED	865	52200	335	24,5	DALI

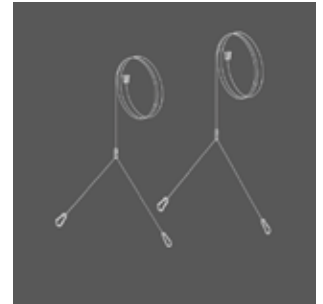


* Photobiological safety according to EN 62471: RG2

Accessories

Suspension cable set for torsion- and vibration-free horizontal mounting.
Consisting of 2 Y-type steel cables and snaplinks for a 2-point suspension.

Reference number	Dimensions [mm]		Price Category 21
Pendant mounting			
982642.000	LP 1750 mm	Suspension cable set	



Accessories

Chain suspension set for torsion- and vibration-free horizontal mounting.
Consisting of 2 knotted chains with turnbuckle and snaplink.

Reference number	Dimensions [mm]		Price Category 21
Pendant mounting			
982642.010	LP 1850 mm	Chain suspension set	



Accessories

For attaching chain or rope pendulum sets to a suspension point.
Available colour: 2 = white

Reference number	Dimensions [mm]		Price Category 21
Mounting accessories for pendant set			
982689.002	L 70, B 30, H 19	Ceiling mounting element for single-point suspension	



Accessories

Mounting bracket for wall and ceiling mounting, 180° swivelling. Angle adjustable in 15° steps.
Available colours (X): 2 = white, 4 = silver metallic

Reference number	Dimensions [mm]		Price Category 21
Wall and ceiling mounting bracket			
982691.01X	L 403, B 61, H 283	For luminaire with 2, 4 or 6 modules	
982691.00X	L 403, B 61, H 346	For luminaire with 3 modules	



Accessories

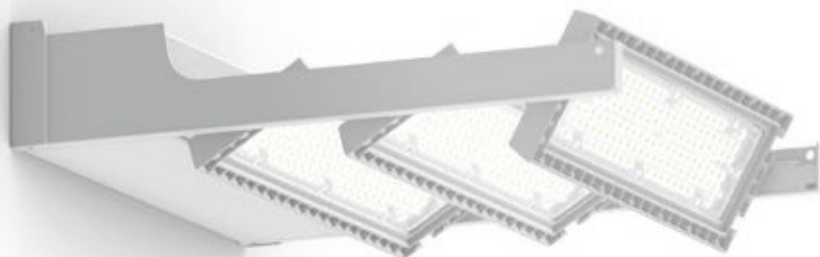
Mounting bracket for wall mounting.
Available colours (X): 2 = white, 4 = silver metallic

Reference number	Dimensions [mm]		Price Category 21
Wall mounting			
982690.00X	L 146, B 401, H 100	For luminaire with 3 modules	

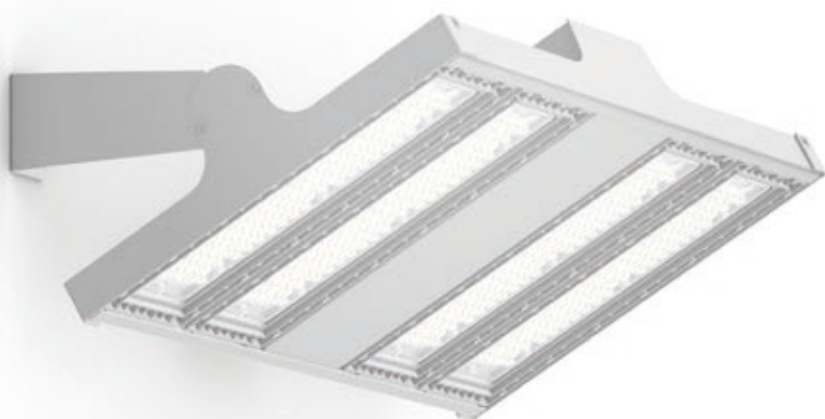


LIGHT CASE

Accessories



Wall mounting bracket
for luminaire with 3 modules



Wall and ceiling mounting bracket

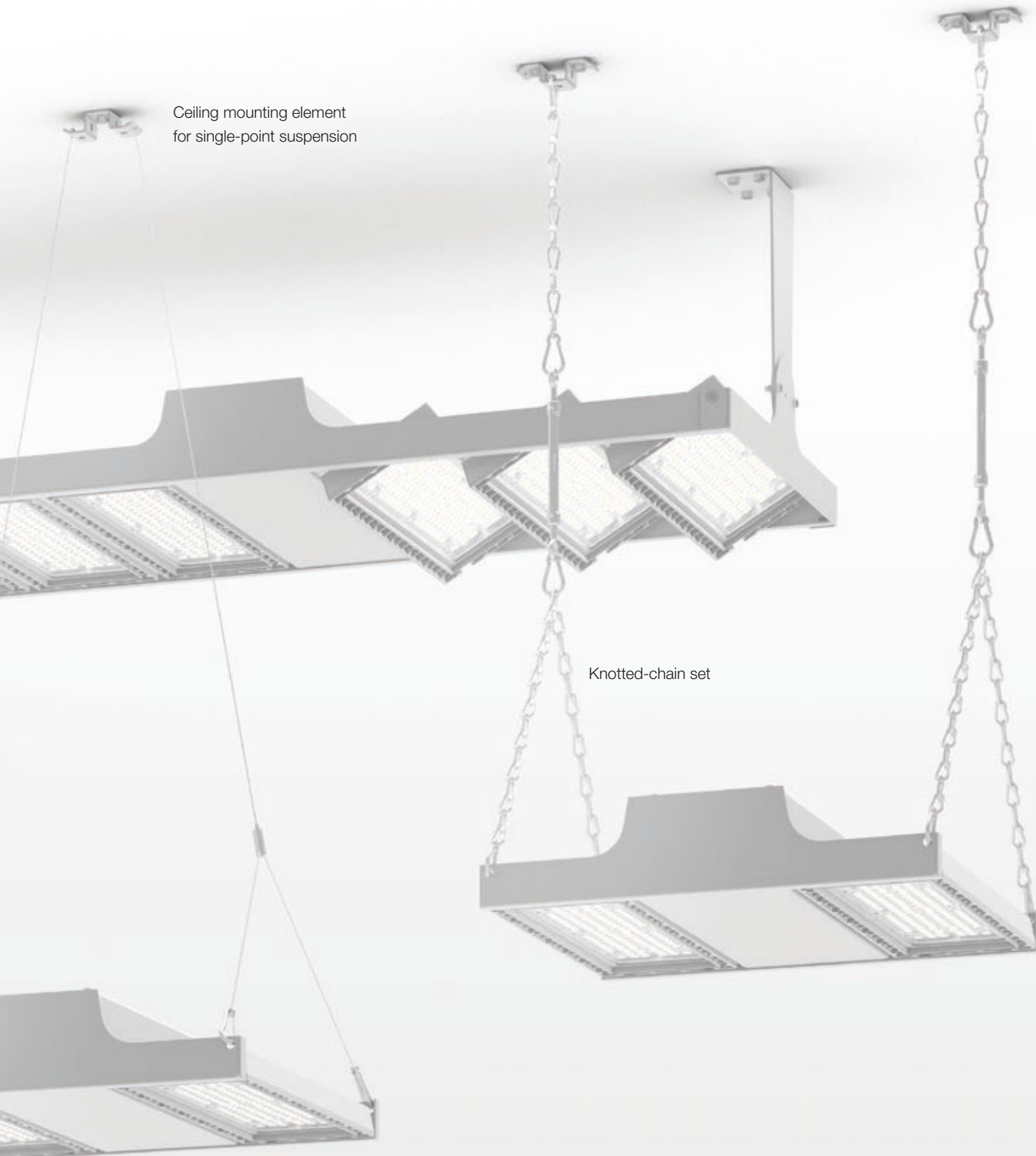
Wall and ceiling mounting bracket



Steel-cable set



Ceiling mounting element
for single-point suspension



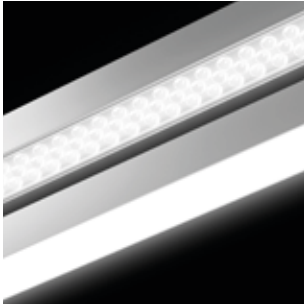
Knotted-chain set



HEIM GÄSTE
10:33

GAME ON

MORE LUMINAIRES FOR THE INDUSTRIAL LIGHTING:



⊕ LINEDO® - continuous line luminaire system



⊕ Industrial Hall EVO



⊕ Planox PRO



⊕ Lightstream® LED



⊕ light control +³ Economy Blu2Light



⊕ light control +³ Economy Multi DALI



⊕ light control +³ Professional Control

HIGHEST PRODUCT AND CONSULTING QUALITY

⊕ RELIABILITY

We are your reliable partner. From the first idea to the implementation and far beyond, we accompany your project. Personally, passionately and individually. Thanks to our excellent expertise, top product quality and services such as lighting design, economic efficiency analysis and commissioning, we meet the high demands of all parties involved in the planning process.

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

⊕ WARRANTY

The creation of high quality lighting solutions is our passion. Our products are developed and manufactured with the utmost care.

In addition to SMART TECHNOLOGY and EXCELLENT DESIGN, we are dedicated to manufacture luminaires of highest quality throughout the entire value chain through to After Sales Service.

Because of this, we confidently grant you a 5 years warranty on LED luminaires and 2 years warranty on emergency luminaires with effect of the date of invoice without prior registration of your project.

Warranty terms to be found under rzb.de/en/service/led-luminaire-warranty

RZB - FOR A TANGIBLE ADDED VALUE.



03.2021



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