

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
- ⊕ Operating range -20°C to +55°C, Operating range (HET versions): -20°C to +65°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





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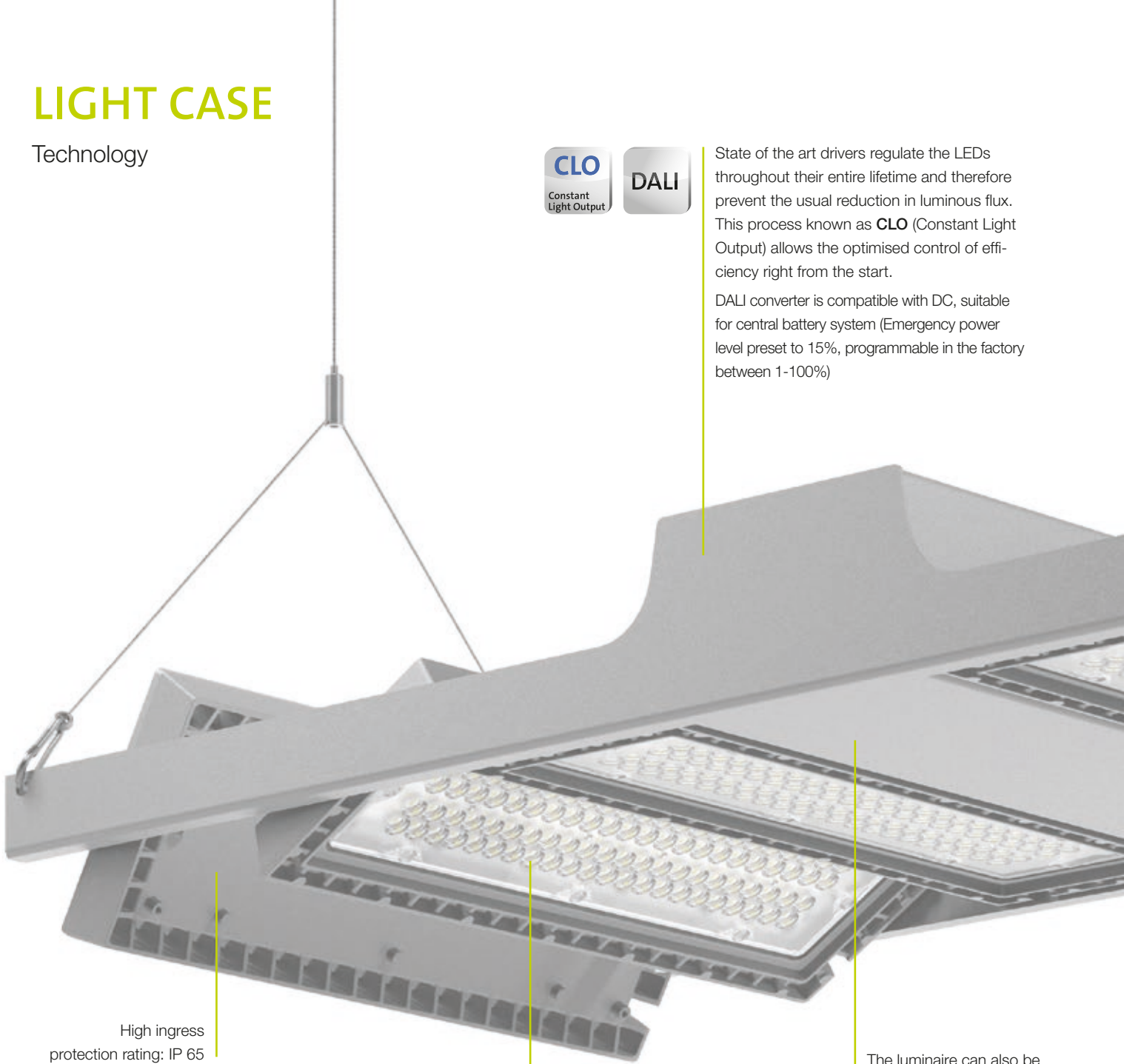
LIGHT CASE

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 (Emergency power level preset to 15%, programmable in the factory between 1-100%)



High ingress protection rating: IP 65

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

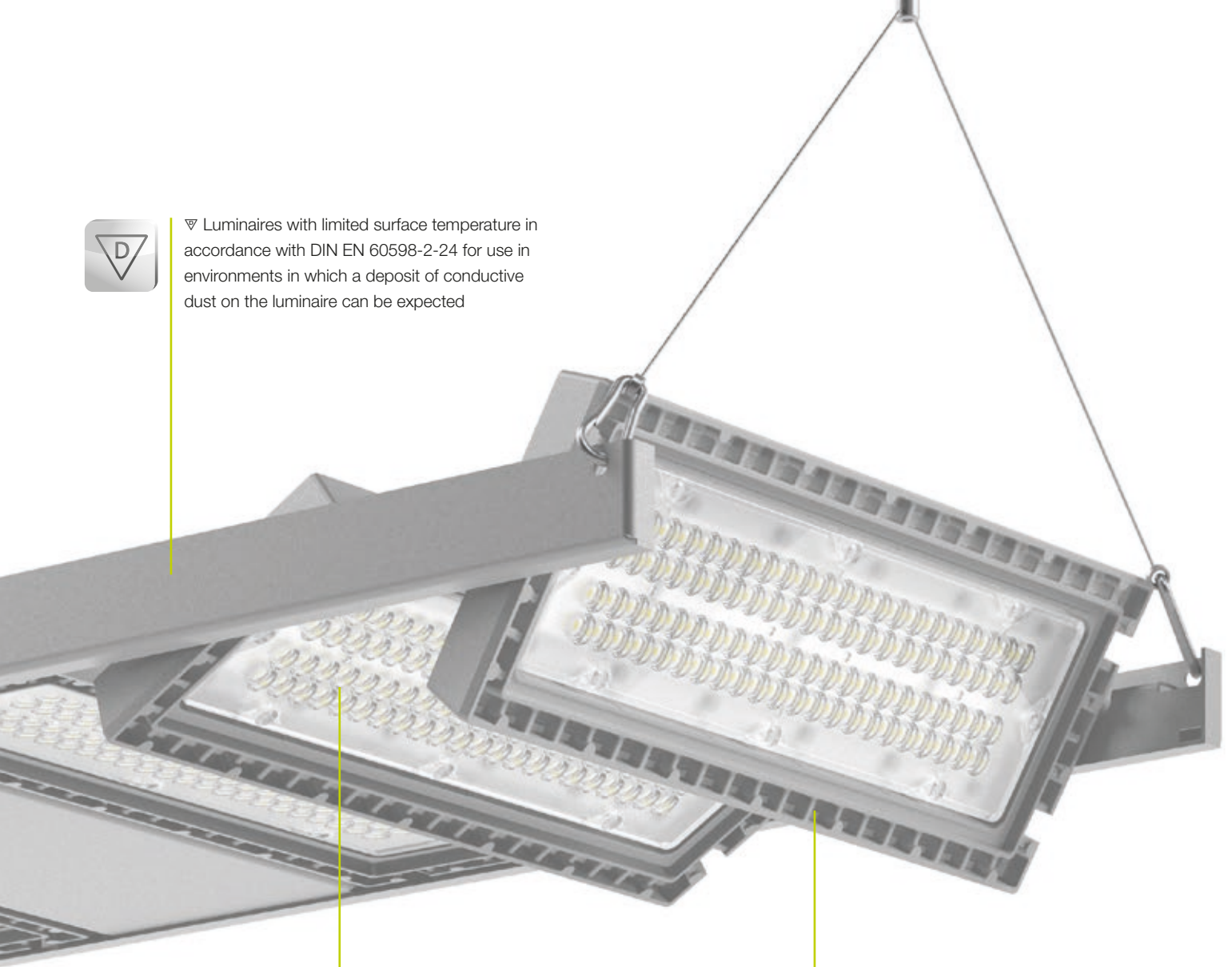


The luminaire can also be fitted with sensors such as a movement sensor or a light sensor for daylight detection on request



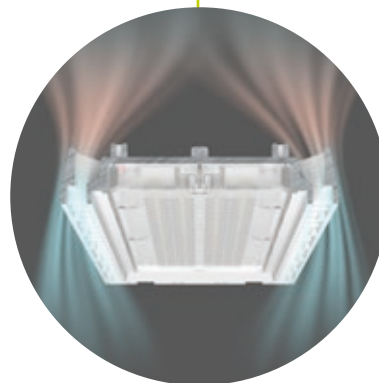


▽ Luminaires with limited surface temperature in accordance with DIN EN 60598-2-24 for use in environments in which a deposit of conductive dust on the luminaire can be expected



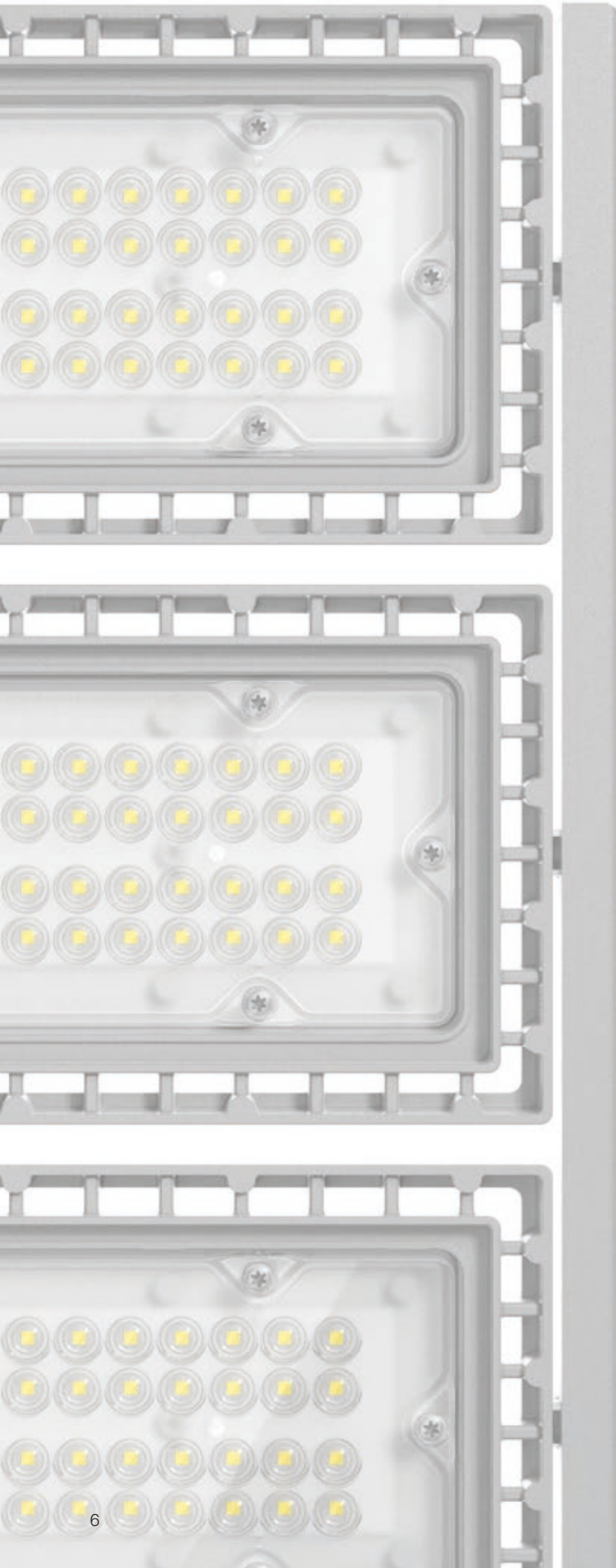
“Self cleaning” heat sink: Vertical cooling ribs prevent dust deposits and ensure constant heat dissipation

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



LIGHT CASE

Everything at a glance



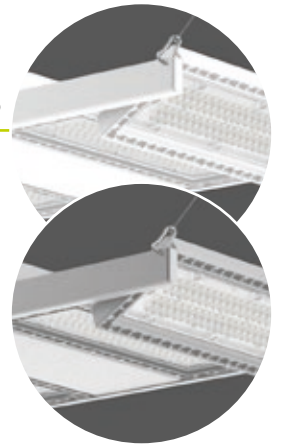
3 LIGHT DISTRIBUTIONS

narrow beam
deep-wide beam
wide beam



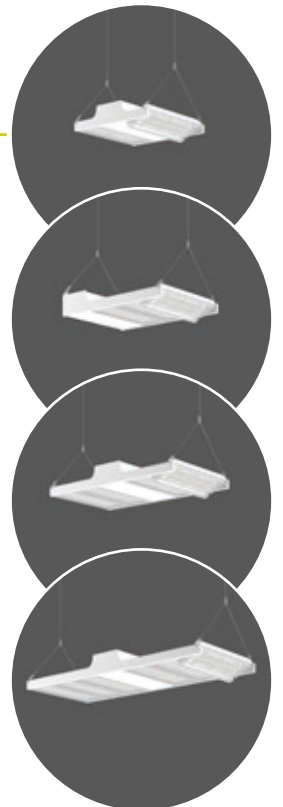
2 COLOURS

white
silver metallic



4 SIZES

2 modules
3 modules
4 modules
6 modules





PHOTOMETRICS

- ⊕ Luminous efficiency up to 151 lm/W
- ⊕ LED luminous flux up to 56,100 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



Highbay luminaires | Light Case

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

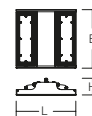
Housing: die cast aluminium and sheet steel, powder coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m).

▽ 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.

The luminaire can also be fitted with sensors such as a movement sensor or a 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



Comparison LED vs. conventional lamps

LED 150 W \approx
 1 x 250 W HIE (275 W Psys)



Reference number	Dimensions	Lamp	Light colour	Luminous flux	System power	UGR	dimmable
Commercial lighting with 2 modules							
Narrow beam light distribution							
921515.00X.76	L 406, B 397, H 110	LED	840	18400 lm	150 W	22,0	DALI
921515.00X.1.76 *	L 406, B 397, H 110	LED	865	18700 lm	150 W	22,1	DALI
Deep-wide beam light distribution							
921516.00X.76	L 406, B 397, H 110	LED	840	18700 lm	150 W	24,2	DALI
921516.00X.1.76 *	L 406, B 397, H 110	LED	865	19000 lm	150 W	24,2	DALI
Wide beam light distribution							
921517.00X.76	L 406, B 397, H 110	LED	840	18900 lm	150 W	24,5	DALI
921517.00X.1.76 *	L 406, B 397, H 110	LED	865	19300 lm	150 W	24,7	DALI

* Photobiological safety according to EN 62471: RG2

Price Category 21



Highbay luminaires | Light Case

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

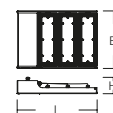
Housing: die cast aluminium and sheet steel, powder coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control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

▽ 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.

The luminaire can also be fitted with sensors such as a movement sensor or a 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



Comparison LED vs. conventional lamps

LED 230 W \approx
 2 x 150 W HIE (340 W Psys)



Reference number	Dimensions	Lamp	Light colour	Luminous flux	System power	UGR	dimmable
Commercial lighting with 3 modules							
Narrow beam light distribution							
921518.00X.76	L 544, B 397, H 110	LED	840	26600 lm	230 W	21,9	DALI
921518.00X.1.76 *	L 544, B 397, H 110	LED	865	27100 lm	230 W	22,0	DALI
Deep-wide beam light distribution							
921519.00X.76	L 544, B 397, H 110	LED	840	27200 lm	230 W	23,2	DALI
921519.00X.1.76 *	L 544, B 397, H 110	LED	865	27800 lm	230 W	23,3	DALI
Wide beam light distribution							
921520.00X.76	L 544, B 397, H 110	LED	840	27500 lm	230 W	23,9	DALI
921520.00X.1.76 *	L 544, B 397, H 110	LED	865	28000 lm	230 W	24,0	DALI

* Photobiological safety according to EN 62471: RG2

Price Category 21

Highbay luminaires | Light Case

Type of Protection: **IP 65**

Protection Class: I

Impact Protection: IK05

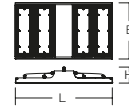
Housing: die cast aluminium and sheet steel, powder coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m).

▽ 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.

The luminaire can also be fitted with sensors such as a movement sensor or a 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	Lamp	Light colour	Luminous flux	System power	UGR	dim-able
Commercial lighting with 4 modules							
Price Category 21							
Narrow beam light distribution							
921521.00X.76	L 680, B 397, H 110	LED	840	35800 lm	313 W	21,9	DALI
921521.00X.1.76 *	L 680, B 397, H 110	LED	865	36500 lm	313 W	22,0	DALI
Deep-wide beam light distribution							
921522.00X.76	L 680, B 397, H 110	LED	840	36100 lm	313 W	23,3	DALI
921522.00X.1.76 *	L 680, B 397, H 110	LED	865	36800 lm	313 W	23,4	DALI
Wide beam light distribution							
921523.00X.76	L 680, B 397, H 110	LED	840	36700 lm	313 W	24,1	DALI
921523.00X.1.76 *	L 680, B 397, H 110	LED	865	37400 lm	313 W	24,2	DALI

* Photobiological safety according to EN 62471: RG2

Comparison LED vs. conventional lamps

LED 313 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

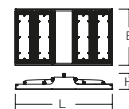
Housing: die cast aluminium and sheet steel, powder coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. **Additional cover of single-pane tempered glass for demanding environmental conditions such as atmospheres containing oil and chemicals.** Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m).

▽ 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.

The luminaire can also be fitted with sensors such as a movement sensor or a 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	Lamp	Light colour	Luminous flux	System power	UGR	dim-able
Highbay luminaires with 4 modules							
Price Category 21							
Wide beam light distribution							
921532.00X.76	L 680, B 397, H 110	LED	840	34400 lm	313 W	24,0	DALI

Comparison LED vs. conventional lamps

LED 313 W \approx
1 x 400 W HIE (440 W Psys)

LIGHT CASE

Product overview



Comparison LED vs. conventional lamps

LED 135 W ≈
1 x 250 W HIE (275 W Psys)

Highbay luminaires | Light Case HET

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

Operating range -20°C to +65°C.

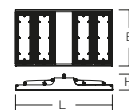
Housing: die cast aluminium and sheet steel, powder coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. LED technology optimised for special, demanding industrial requirements. Extremely efficient and suitable for high ambient temperatures. With 5-pin connection terminal (1.5 m).

▽ 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.

The luminaire can also be fitted with sensors such as a movement sensor or a 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	Lamp	Light colour	Luminous flux	System power	UGR	dimmi-able	
								Price Category 21
Highbay luminaires with 4 modules								
Narrow beam light distribution								
921675.00X.76	L 680, B 397, H 110	LED	840	19400 lm	135 W	19,8	DALI	
921675.00X.1.76 *	L 680, B 397, H 110	LED	865	19800 lm	135 W	19,9	DALI	
Deep-wide beam light distribution								
921676.00X.76	L 680, B 397, H 110	LED	840	19600 lm	135 W	21,2	DALI	
921676.00X.1.76 *	L 680, B 397, H 110	LED	865	20000 lm	135 W	21,3	DALI	
Wide beam light distribution								
921677.00X.76	L 680, B 397, H 110	LED	840	19900 lm	135 W	22,2	DALI	
921677.00X.1.76 *	L 680, B 397, H 110	LED	865	20300 lm	135 W	22,3	DALI	

* Photobiological safety according to EN 62471: RG2



Comparison LED vs. conventional lamps

LED 460 W ≈
3 x 250 W HIE (3 x 275 W Psys)

Highbay luminaires | Light Case

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

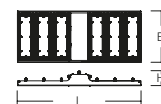
Housing: die cast aluminium and sheet steel, powder coated. LED modules can be swivelled $\pm 30^\circ$ for optimum illumination. Cover: plastic (polycarbonate), with integrated four-row lens system. Lens optics for different light distribution versions. With 5-pin connection terminal (1.5 m). CLO control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

▽ 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.

The luminaire can also be fitted with sensors such as a movement sensor or a 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	Lamp	Light colour	Luminous flux	System power	UGR	dimmi-able	
								Price Category 21
Commercial lighting with 6 modules								
Narrow beam light distribution								
921524.00X.76	L 956, B 397, H 110	LED	840	54000 lm	460 W	22,0	DALI	
921524.00X.1.76 *	L 956, B 397, H 110	LED	865	55100 lm	460 W	22,0	DALI	
Deep-wide beam light distribution								
921525.00X.76	L 956, B 397, H 110	LED	840	54300 lm	460 W	23,4	DALI	
921525.00X.1.76 *	L 956, B 397, H 110	LED	865	55400 lm	460 W	23,5	DALI	
Wide beam light distribution								
921526.00X.76	L 956, B 397, H 110	LED	840	55000 lm	460 W	24,2	DALI	
921526.00X.1.76 *	L 956, B 397, H 110	LED	865	56100 lm	460 W	24,2	DALI	

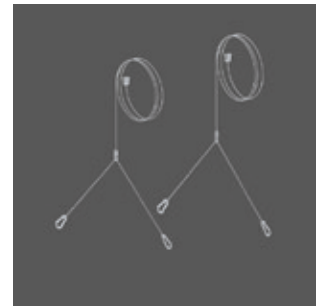
* Photobiological safety according to EN 62471: RG2



Accessories | Light Case

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	
Steel-cable set		
982642.000	LP 1750	Price Category 21



Accessories | Light Case

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

Reference number	Dimensions	
Knotted-chain set		
982642.010	LP 1850	Price Category 21



Accessories | Light Case

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

Reference number	Dimensions	
Mounting accessories for pendant set		
982689.002	L 70, B 30, H 19	Ceiling mounting element for single-point suspension



Accessories | Light Case

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	
Wall and ceiling mounting bracket		
982691.00X	L 403, B 61, H 346	For luminaire with 3 modules
982691.01X	L 403, B 61, H 283	For luminaire with 2, 4 or 6 modules



Accessories | Light Case

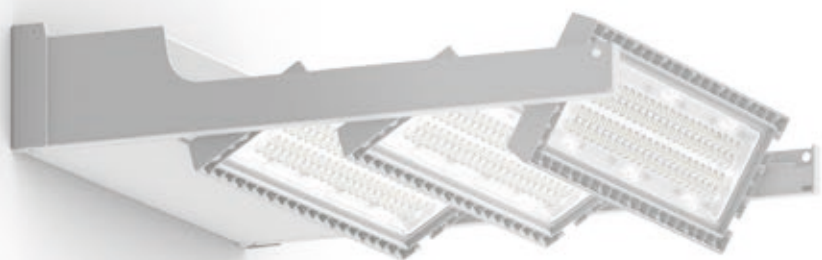
Mounting bracket for wall mounting.
Available colours (X): 2 = white, 4 = silver metallic

Reference number	Dimensions	
Wall mounting bracket		
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

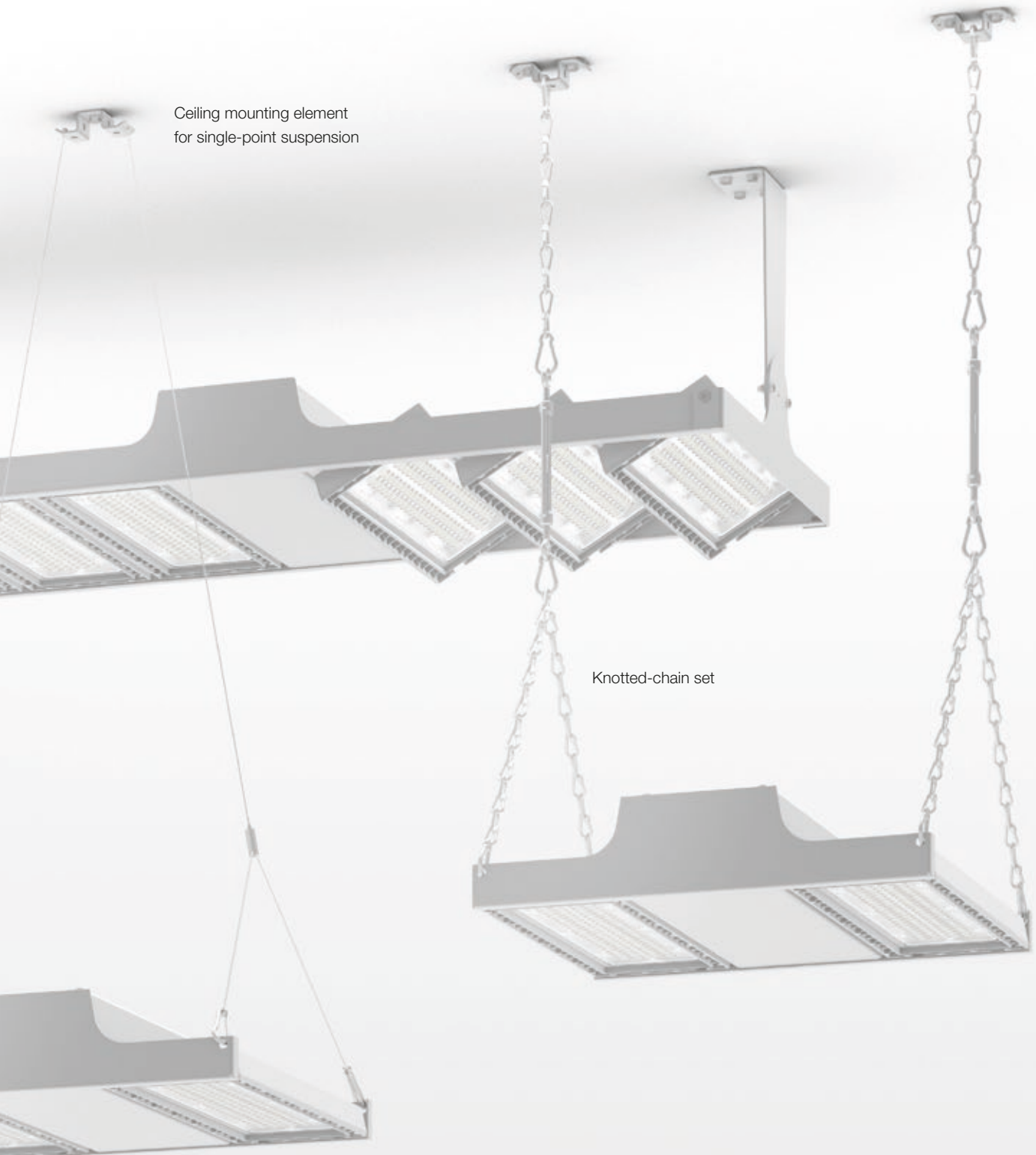
Wall and ceiling mounting bracket



Steel-cable set



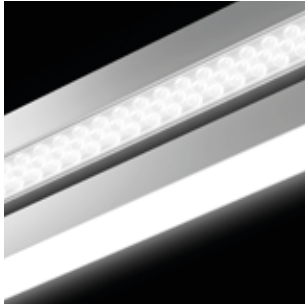
Ceiling mounting element
for single-point suspension



Knotted-chain set



MORE LUMINAIRES FOR THE INDUSTRIAL LIGHTING:



⊕ LINEDO - continuous line luminaire system



⊕ Industrial Hall



⊕ Planox PRO



⊕ Lightstream® LED

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

RZB grants 5 years warranty on LED luminaires and 2 years warranty on emergency luminaires!

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.



08.2020



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