

Order No.: 51HLA2D24MCAD | GTIN (EAN): 4058352341636

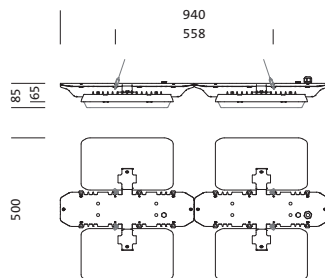
Product description: HB11,wd,28800lm840,DA



Highbay 11, LED high bay luminaire, primary light control with lens, of PMMA, light emission: direct distribution, primary light characteristic: symmetric, installation type: suspended mounting, surface-mounted, for 2x 2x LED, rated luminous flux: 28.800lm, luminous efficacy: 177lm/W, light colour: 840, colour temperature: 4000K, control gear: ECG DALI, with terminal, 5-pole, max. 2.5mm<sup>2</sup>, mains connection: 230..240V, AC/DC, 50/60Hz, rated input power: 162W, LED unit, of diecast aluminium, bead blasted, unplated, silver, length: 940mm, width: 500mm, height: 65mm, housing, of diecast aluminium, bead blasted, uncoated, silver, protection rating (complete): IP65, insulation class (complete): insulation class I (protective earthing), certification: CE, UKCA, protection symbol: D, impact resistance: IK08 with glass or PC cover, permissible operating ambient temperature: -35..+55°C, standard: EN 60598-2-22, reducing of maximum allowable ambient temperature of 5°C with ceiling mounting, corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, packaging unit: 1 piece



Lamps: 2x 2x LED  
 Wt. (kg): 8.8  
 GTIN (EAN): 4058352341636



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at [www.siteco.de](http://www.siteco.de))

Tolerances related to thermal, electrical and photometric data according to IEC 62722

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Detailed technical description: HB11,wd,28800lm840,DA



#### Key data

- Product type: LED high bay luminaire
- Product name: Highbay 11
- Order No.: 51HLA2D24MCAD

#### Lighting technology | Lamps | Control gear

#### Component 1

#### Lighting technology:

- Light control: lens of PMMA
- Beam angle: wide distribution
- Symmetry: symmetric
- Light emission: direct distribution
- UGR viewing direction along longitudinal luminaire axis:  $\leq 22$
- UGR viewing direction along lateral luminaire axis:  $\leq 22$

#### Lamps:

- Lamps: with 2x 2x LED
- Rated luminous flux: 28800lm
- Luminous efficacy: 177lm/W
- Colour temperature: 4000K
- Colour rendering index: CRI > 80
- Light colour: 840
- SDCM (Standard Deviation of Colour Matching): MacAdam  $\leq 3$  SDCM (initial)
- Rated input power: 162W
- Supplement: without changeover relay, for emergency light function, for central battery installations according to DIN EN 60598-2-22, luminous flux reduced to approx. 15% with DC operation

#### Operating device:

- Control gear: ECG DALI
- Control: DALI (2 addresses)

#### Certificates, Standards

- Protection rating: IP65
- Insulation class: insulation class I (protective earthing)
- Impact resistance: IK08 with glass or PC cover
- Protection symbol: D
- Temperature range (operation): -35..+55°C
- Supplement: corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, reducing of maximum allowable ambient temperature of 5°C with ceiling mounting
- Standard: EN 60598-2-22
- Certification, designation: CE, UKCA

#### Material, Colour

- LED unit: diecast aluminium, unplated, bead blasted, silver
- Quantity: 4 piece
- Colour specification: silver
- housing: diecast aluminium, uncoated, bead blasted, silver
- Quantity: 1 piece
- Colour specification: silver

#### Mounting

- Mounting method, mounting location: suspended mounting, surface-mounted, to wire, to the ceiling, to the chain
- Mounting height: 6..20m
- Arrangement: single arrangement
- Supplement: only suitable for indoor use, mounting accessories required, please order separately

#### Electrical connection

- Connection: terminal, 5-pole, max. 2.5mm<sup>2</sup>
- Nominal voltage: 230..240V, 50/60Hz, AC/DC

#### Dimensions, Weight

- Length: 940mm
- Width: 500mm
- Height: 65mm
- Weight: 8.8kg

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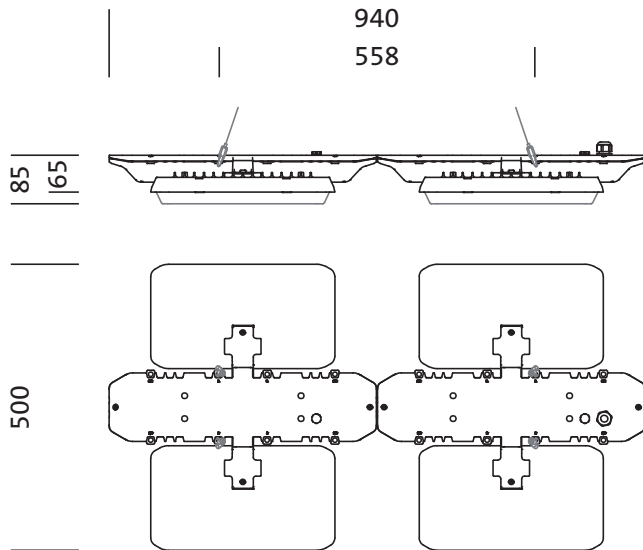


#### Service life

- Rated service life: 70000h (L85/B50) at AT = ta max, 100000h (L85/B50) at AT = 25°C

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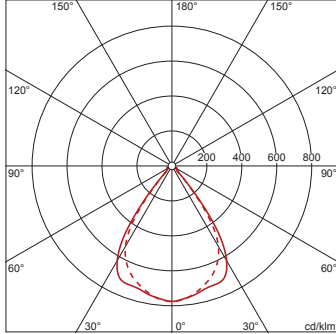
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### 51HLA2D24MCAD: 1x LED

4058352341636  
51HLA2D24MCAD

LED 4000 K | CRI ≥ 80  $\phi_N$  28800 lm



$\phi_{\downarrow}$  100%  $\phi_{\uparrow}$  0%

Luminance values (cd/m<sup>2</sup>)

	C 0/180	C 90/270
L <sub>80</sub>	3023	5090
L <sub>70</sub>	11375	12320
L <sub>65</sub>	11719	11191

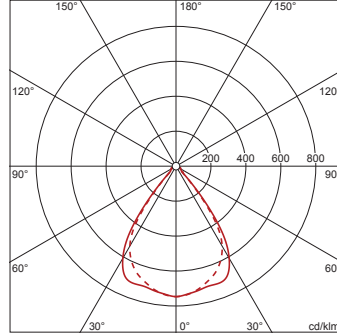
UGR 21 20.9

X 4H Y 8H  $\rho$  70/50/20 S 0.25H

### 51HLA2D24MCAD + 59HL91001: 1x LED

4058352341636 + 4058352323519  
51HLA2D24MCAD + 59HL91001

LED 4000 K | CRI ≥ 80  $\phi_N$  27460 lm



$\phi_{\downarrow}$  100%  $\phi_{\uparrow}$  0%

Luminance values (cd/m<sup>2</sup>)

	C 0/180	C 90/270
L <sub>80</sub>	2145	3203
L <sub>70</sub>	9841	10418
L <sub>65</sub>	10857	10376

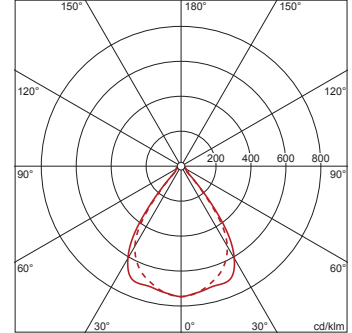
UGR 21 20.7

X 4H Y 8H  $\rho$  70/50/20 S 0.25H

### 51HLA2D24MCAD + 59HL91002: 1x LED

4058352341636 + 4058352341650  
51HLA2D24MCAD + 59HL91002

LED 4000 K | CRI ≥ 80  $\phi_N$  25980 lm



$\phi_{\downarrow}$  100%  $\phi_{\uparrow}$  0%

Luminance values (cd/m<sup>2</sup>)

	C 0/180	C 90/270
L <sub>80</sub>	2029	3030
L <sub>70</sub>	9310	9856
L <sub>65</sub>	10272	9817

UGR 20.8 20.5

X 4H Y 8H  $\rho$  70/50/20 S 0.25H

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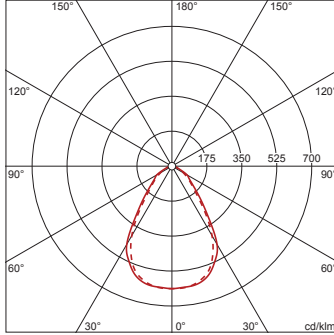
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**51HLA2D24MCAD +  
59HL91004: 1x LED**

4058352341636 + 4058352341674

51HLA2D24MCAD + 59HL91004

LED 4000 K | CRI ≥ 80  $\phi_N$  26220 lm



$\phi_{\downarrow}$  99%  $\phi_{\uparrow}$  1%

Luminance values (cd/m²)

	C 0/180	C 90/270
L <sub>80</sub>	9099	8008
L <sub>70</sub>	11418	11974
L <sub>65</sub>	14972	14353

UGR 23.7 23.3

X 4H Y 8H  $\rho$  70/50/20 S 0.25H

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