

**Order No.:** 51HLA1D24MCA | **GTIN (EAN):** 4058352322925

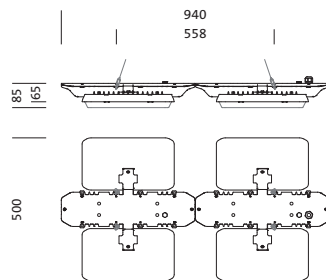
**Product description:** HB11,nrrw,28120lm840,DA



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: 28.120lm, luminous efficacy: 173lm/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, 50/60Hz, rated input power: 162W, LED unit, of diecast aluminium, unplated, bead blasted, silver, length: 940mm, width: 500mm, height: 65mm, housing, of diecast aluminium, uncoated, bead blasted, silver, protection rating (complete): IP65, insulation class (complete): insulation class I (protective earthing), certification: CE, ENEC, VDE, UKCA, protection symbol: D, impact resistance: IK08 with glass or PC cover, permissible operating ambient temperature: -35..+55°C, 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): 4058352322925



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**Detailed technical description:** HB11,nrrw,28120lm840,DA



#### Key data

- Product type: LED high bay luminaire
- Product name: Highbay 11
- Order No.: 51HLA1D24MCA

#### Lighting technology | Lamps | Control gear

#### Component 1

#### Lighting technology:

- Light control: lens of PMMA
- Beam angle: narrow 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: 28120lm
- Luminous efficacy: 173lm/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

#### 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
- Certification, designation: CE, ENEC, VDE, 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

#### Dimensions, Weight

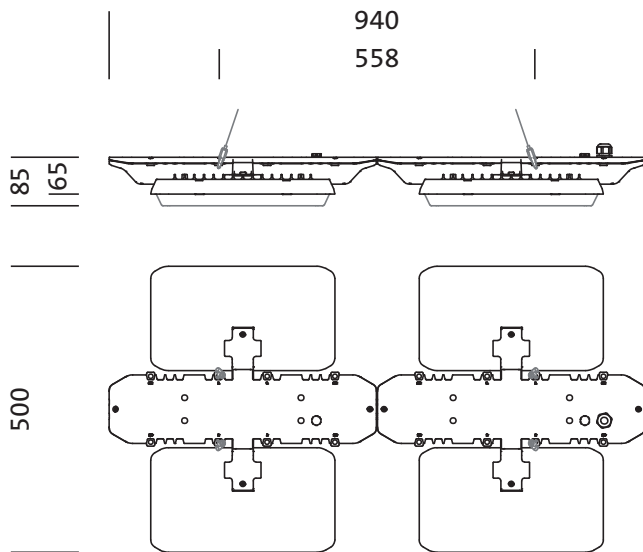
- Length: 940mm
- Width: 500mm
- Height: 65mm
- Weight: 8.8kg

#### Service life

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

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Dimensions: HB11,nrrw,28120lm840,DA



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  
Issued 10.11.2023 - Modifications and errors subject to change - Ensure that you always use the latest version -

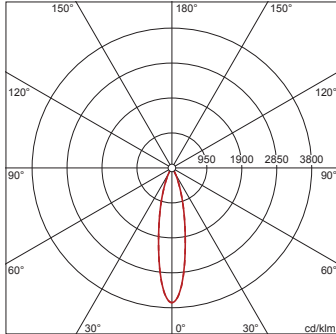
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Planning data: HB11,nrrw,28120lm840,DA

## 51HLA1D24MCA: 1x LED

4058352322925  
51HLA1D24MCA

LED 4000 K | CRI ≥ 80  $\phi_N$  28120 lm



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

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

	C 0/180	C 90/270
L <sub>80</sub>	5430	9184
L <sub>70</sub>	11335	8582
L <sub>65</sub>	11705	8502

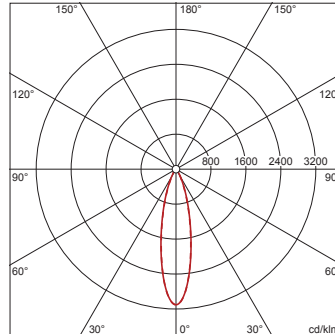
UGR 20.5 20.1

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

## 51HLA1D24MCA + 59HL91001: 1x LED

4058352322925 + 4058352323519  
51HLA1D24MCA + 59HL91001

LED 4000 K | CRI ≥ 80  $\phi_N$  27140 lm



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

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

	C 0/180	C 90/270
L <sub>80</sub>	4538	7689
L <sub>70</sub>	12260	10495
L <sub>65</sub>	14183	11050

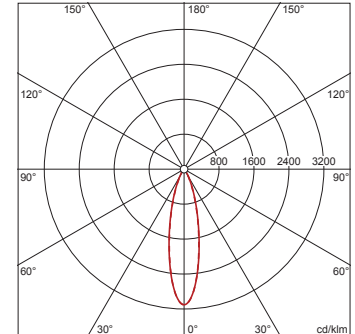
UGR 21.3 20.9

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

## 51HLA1D24MCA + 59HL91002: 1x LED

4058352322925 + 4058352341650  
51HLA1D24MCA + 59HL91002

LED 4000 K | CRI ≥ 80  $\phi_N$  25590 lm



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

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

	C 0/180	C 90/270
L <sub>80</sub>	4279	7250
L <sub>70</sub>	11560	9896
L <sub>65</sub>	13373	10419

UGR 21.1 20.7

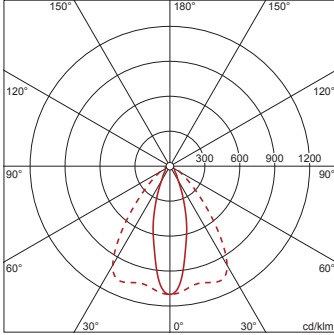
X 4H Y 8H  $\rho$  70/50/20 S 0.25H

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**51HLA1D24MCA +  
59HL91003: 1x LED**

4058352322925 + 4058352341667  
51HLA1D24MCA + 59HL91003  
LED 4000 K | CRI ≥ 80  $\phi_N$  25620 lm



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

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

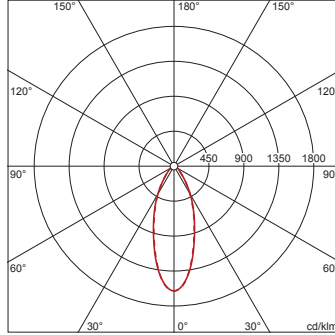
	C 0/180	C 90/270
L <sub>80</sub>	9066	12341
L <sub>70</sub>	7514	17645
L <sub>65</sub>	8983	19605

UGR 21.2 25.4

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

**51HLA1D24MCA +  
59HL91004: 1x LED**

4058352322925 + 4058352341674  
51HLA1D24MCA + 59HL91004  
LED 4000 K | CRI ≥ 80  $\phi_N$  26070 lm



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

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

	C 0/180	C 90/270
L <sub>80</sub>	9247	6809
L <sub>70</sub>	8894	9421
L <sub>65</sub>	10730	9735

UGR 22.1 21.3

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