

**Order No.:** 51HLA1D14GLA | **GTIN (EAN):** 4058352361429

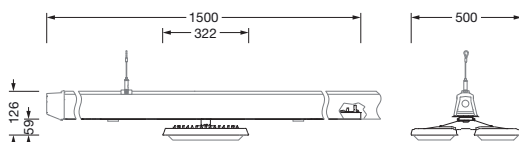
**Product description:** HB11,symnrw,16190lm840,DA



Highbay 11, LED high bay luminaire, end cap, primary light control with lens, of PMMA, light emission: direct distribution, primary light characteristic: symmetric, installation type: recessed, for 1x 2x LED, rated luminous flux: 16.190lm, luminous efficacy: 171lm/W, light colour: 840, colour temperature: 4000K, control gear: ECG DALI, with system connector, mains connection: 230..240V, AC, 50/60Hz, rated input power: 95W, LED unit, of diecast aluminium, bead blasted, unplated, silver, length: 1.500mm, width: 500mm, height: 65mm, housing, of diecast aluminium, uncoated, bead blasted, silver, fixing on rail side, of aluminium, anodised, metallic grey, end cap, of PC, grey, protection rating (complete): IP64, 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..+45°C, corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, packaging unit: 1 piece

IP 64  

Lamps:	1x 2x LED
Wt. (kg):	5.0
GTIN (EAN):	4058352361429



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Detailed technical description: HB11,symnrrw,16190lm840,DA

#### Key data

- Product type: LED high bay luminaire
- Product name: Highbay 11
- Order No.: 51HLA1D14GLA

#### Lighting technology | Lamps | Control gear

##### Component 1

#### Lighting technology:

- Light control: lens of PMMA
- Beam angle: narrow distribution
- Symmetry: symmetric distribution
- 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 1x 2x LED
- Rated luminous flux: 16190lm
- Luminous efficacy: 171lm/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: 95W

#### Operating device:

- Control gear: ECG DALI
- Control: DALI

#### Certificates, Standards

- Protection rating: IP64
- Insulation class: insulation class I (protective earthing)
- Impact resistance: IK08 with glass or PC cover
- Protection symbol: D
- Temperature range (operation): -35..+45°C
- Supplement: corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry
- Certification, designation: CE, UKCA

#### Material, Colour

- LED unit: diecast aluminium, unplated, bead blasted, silver, for tool-free mounting of luminaire to Licross® trunking rail
- Quantity: 2 piece
- Colour specification: silver
- housing: diecast aluminium, uncoated, bead blasted, silver
- Quantity: 1 piece
- Colour specification: silver
- fixing on rail side: aluminium, anodised, metallic grey
- Quantity: 1 piece
- Colour specification: metallic grey
- end cap: PC, grey
- Colour specification: grey

#### Mounting

- Mounting method, mounting location: recessed, in the Licross® trunking rail
- Mounting height: 6..20m
- Arrangement: single arrangement

#### Electrical connection

- Connection: system connector
- Nominal voltage: 230..240V, 50/60Hz, AC

#### Dimensions, Weight

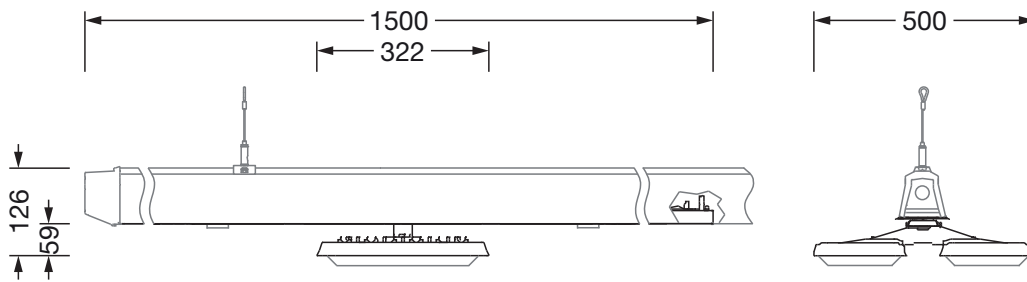
- Length: 1500mm
- Width: 500mm
- Height: 65mm
- Weight: 5.0kg

#### Service life

- Rated service life: 70000h (L80/B50) at AT = 45°C, 100000h (L85/B50) at AT = 25°C

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Dimensions: HB11,symnrrw,16190lm840,DA



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Planning data: HB11,symnrw,16190lm840,DA

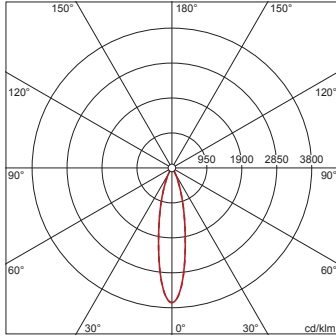
## 51HLA1D14GLA: 1x LED

4058352361429

51HLA1D14GLA

LED 4000 K | CRI ≥ 80

φ<sub>N</sub> 16190 lm



φ<sub>↓</sub> 100% φ<sub>↑</sub> 0%

Luminance values (cd/m²)

	C 0/180	C 90/270
L <sub>80</sub>	6253	10575
L <sub>70</sub>	13053	9882
L <sub>65</sub>	13478	9789

UGR 21 20.6

X 4H Y 8H ρ 70/50/20 S 0.25H

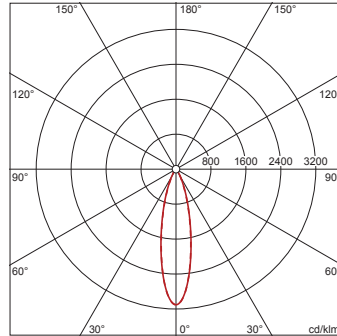
## 51HLA1D14GLA + 59HL91001: 1x LED

4058352361429 + 4058352323519

51HLA1D14GLA + 59HL91001

LED 4000 K | CRI ≥ 80

φ<sub>N</sub> 15620 lm



φ<sub>↓</sub> 100% φ<sub>↑</sub> 0%

Luminance values (cd/m²)

	C 0/180	C 90/270
L <sub>80</sub>	5224	8851
L <sub>70</sub>	14112	12081
L <sub>65</sub>	16326	12720

UGR 21.8 21.4

X 4H Y 8H ρ 70/50/20 S 0.25H

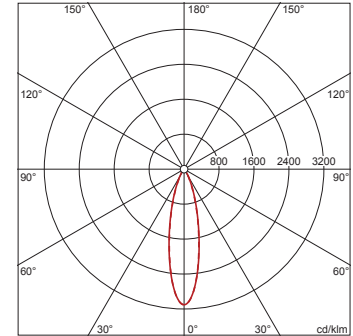
## 51HLA1D14GLA + 59HL91002: 1x LED

4058352361429 + 4058352341650

51HLA1D14GLA + 59HL91002

LED 4000 K | CRI ≥ 80

φ<sub>N</sub> 14730 lm



φ<sub>↓</sub> 100% φ<sub>↑</sub> 0%

Luminance values (cd/m²)

	C 0/180	C 90/270
L <sub>80</sub>	4926	8346
L <sub>70</sub>	13308	11393
L <sub>65</sub>	15396	11995

UGR 21.6 21.2

X 4H Y 8H ρ 70/50/20 S 0.25H

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 03.03.2023 - Modifications and errors subject to change - Ensure that you always use the latest version -

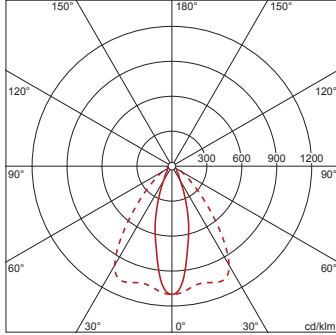
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**51HLA1D14GLA +  
59HL91003: 1x LED**

4058352361429 + 4058352341667  
51HLA1D14GLA + 59HL91003

LED 4000 K | CRI ≥ 80  $\phi_N$  14750 lm



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

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

	C 0/180	C 90/270
L <sub>80</sub>	10439	12220
L <sub>70</sub>	8652	18706
L <sub>65</sub>	10343	21126

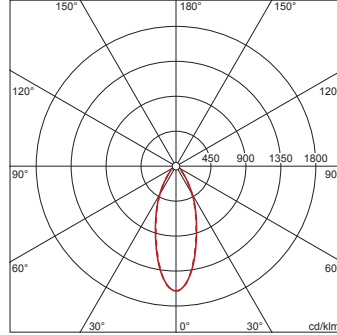
UGR 21.6 25.7

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

**51HLA1D14GLA +  
59HL91004: 1x LED**

4058352361429 + 4058352341674  
51HLA1D14GLA + 59HL91004

LED 4000 K | CRI ≥ 80  $\phi_N$  15010 lm



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

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

	C 0/180	C 90/270
L <sub>80</sub>	10648	6742
L <sub>70</sub>	10242	9988
L <sub>65</sub>	12356	10491

UGR 22.5 21.6

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