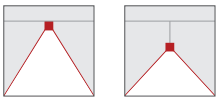
siteco

Order No.: 51HLA2D14FCAD | **GTIN (EAN):** 4058352341629

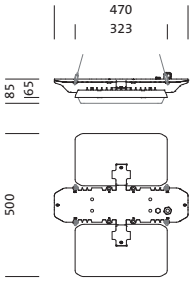
Product description: HB11,wd,14400lm840,DA



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 1x 2x LED, rated luminous flux: 14.400lm, luminous efficacy: 177lm/W, light colour: 840, colour temperature: 4000K, control gear: DALI, with terminal, 5-pole, max. 2.5mm², mains connection: 230..240V, AC/DC, 50/60Hz, rated input power: 81W, LED unit, of diecast aluminium, bead blasted, unplated, silver, length: 470mm, 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

IP 65

Lamps:	1x 2x LED
Wt. (kg):	4.3
GTIN (EAN):	4058352341629



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
Tolerances related to thermal, electrical and photometric data according to IEC 62722
Issued 27.09.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

Siteco GmbH • Georg-Simon-Ohm-Str. 50 • 83301 Traunreut, Germany • Tel +49(8669)33-0 • Fax +49(8669)33-397 • eMail info@siteco.de • Internet www.siteco.com

siteco

Order No.: 51HLA2D14FCAD | **GTIN (EAN):** 4058352341629

Detailed technical description: HB11,wd,14400lm840,DA

Key data
- Product type: LED high bay luminaire
- Product name: Highbay 11
- Order No.: 51HLA2D14FCAD

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: ≤ 22
- UGR viewing direction along lateral luminaire axis: ≤ 22

Lamps:
- Lamps: with 1x 2x LED
- Rated luminous flux: 14400lm
- Luminous efficacy: 177lm/W
- Colour temperature: 4000K
- Colour rendering index: CRI > 80
- Light colour: 840
- SDCM (Standard Deviation of Colour Matching): MacAdam ≤ 3 SDCM (initial)
- Rated input power: 81W
- 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

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: 2 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. 2.5mm²
- Nominal voltage: 230..240V, 50/60Hz, AC/DC

Dimensions, Weight
- Length: 470mm
- Width: 500mm
- Height: 65mm
- Weight: 4.3kg

It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
Tolerances related to thermal, electrical and photometric data according to IEC 62722
Issued 27.09.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

Siteco GmbH • Georg-Simon-Ohm-Str. 50 • 83301 Traunreut, Germany • Tel +49(8669)33-0 • Fax +49(8669)33-397 • eMail info@siteco.de • Internet www.siteco.com

Order No.: 51HLA2D14FCAD | **GTIN (EAN):** 4058352341629

Detailed technical description: HB11,wd,14400lm840,DA

Service life

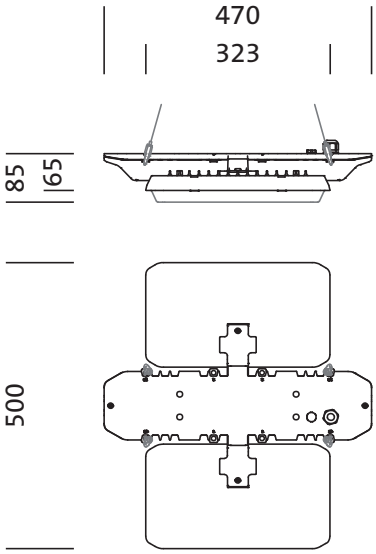
- Rated service life: 100000h (L85/B50) at AT = 25°C, 70000h (L85/B50) at AT = ta max

It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
Tolerances related to thermal, electrical and photometric data according to IEC 62722
Issued 27.09.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

Siteco GmbH • Georg-Simon-Ohm-Str. 50 • 83301 Traunreut, Germany • Tel +49(8669)33-0 • Fax +49(8669)33-397 • eMail info@siteco.de • Internet www.siteco.com

Order No.: 51HLA2D14FCAD | **GTIN (EAN):** 4058352341629

Dimensions: HB11,wd,14400lm840,DA



It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at www.siteco.com)
Tolerances related to thermal, electrical and photometric data according to IEC 62722
Issued 27.09.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

Siteco GmbH • Georg-Simon-Ohm-Str. 50 • 83301 Traunreut, Germany • Tel +49(8669)33-0 • Fax +49(8669)33-397 • eMail info@siteco.de • Internet www.siteco.com

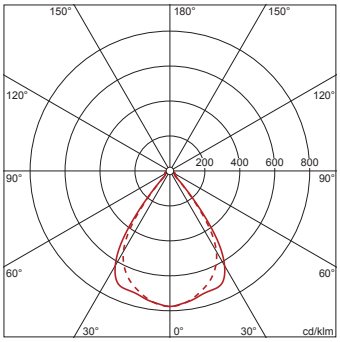
siteco

Order No.: 51HLA2D14FCAD | **GTIN (EAN):** 4058352341629

Planning data: HB11,wd,14400lm840,DA

51HLA2D14FCAD: 1x LED

4058352341629
51HLA2D14FCAD
LED 4000 K | CRI ≥ 80 ϕ_N 14400 lm



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

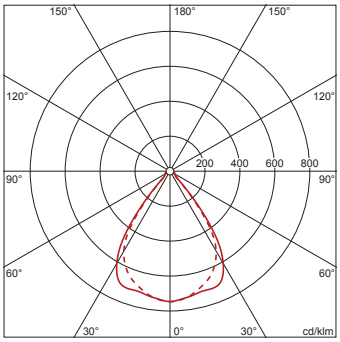
Luminance values (cd/m²)

	C 0/180	C 90/270
L_{80}	3023	5090
L_{70}	11375	12320
L_{65}	11719	11191

UGR 21 20.9
X 4H Y 8H ρ 70/50/20 S 0.25H

51HLA2D14FCAD + 59HL91001: 1x LED

4058352341629 + 4058352323519
51HLA2D14FCAD + 59HL91001
LED 4000 K | CRI ≥ 80 ϕ_N 13730 lm



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

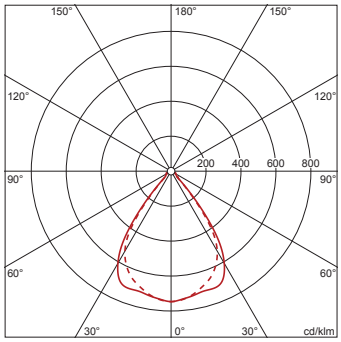
Luminance values (cd/m²)

	C 0/180	C 90/270
L_{80}	2145	3203
L_{70}	9841	10418
L_{65}	10857	10376

UGR 21 20.7
X 4H Y 8H ρ 70/50/20 S 0.25H

51HLA2D14FCAD + 59HL91002: 1x LED

4058352341629 + 4058352341650
51HLA2D14FCAD + 59HL91002
LED 4000 K | CRI ≥ 80 ϕ_N 12990 lm



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

Luminance values (cd/m²)

	C 0/180	C 90/270
L_{80}	2029	3030
L_{70}	9310	9856
L_{65}	10272	9817

UGR 20.8 20.5
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.com)
Tolerances related to thermal, electrical and photometric data according to IEC 62722
Issued 27.09.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

Siteco GmbH • Georg-Simon-Ohm-Str. 50 • 83301 Traunreut, Germany • Tel +49(8669)33-0 • Fax +49(8669)33-397 • eMail info@siteco.de • Internet www.siteco.com

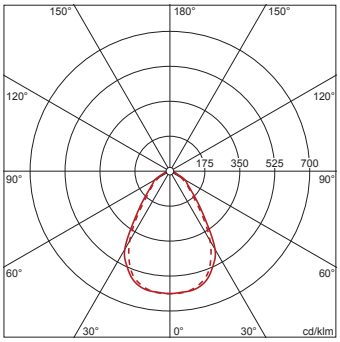
siteco

Order No.: 51HLA2D14FCAD | **GTIN (EAN):** 4058352341629

Planning data: HB11,wd,14400lm840,DA

51HLA2D14FCAD +
59HL91004: 1x LED

4058352341629 + 4058352341674
51HLA2D14FCAD + 59HL91004
LED 4000 K | CRI ≥ 80 ϕ_N 13110 lm



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

Luminance values (cd/m²)

	C 0/180	C 90/270
L_{80}	9099	6886
L_{70}	11418	11024
L_{65}	14972	13432

UGR 23.7 23.1
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.com)
Tolerances related to thermal, electrical and photometric data according to IEC 62722
Issued 27.09.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

Siteco GmbH • Georg-Simon-Ohm-Str. 50 • 83301 Traunreut, Germany • Tel +49(8669)33-0 • Fax +49(8669)33-397 • eMail info@siteco.de • Internet www.siteco.com