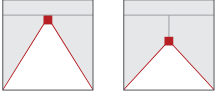


Order No.: 51HLA2D24NCA | GTIN (EAN): 4058352322987

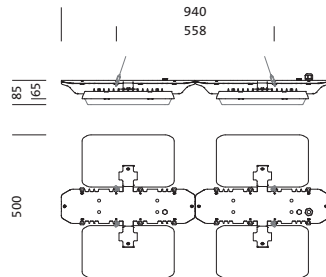
Product description: HB11,wd,33150lm840,DA



Highbay 11, LED high bay luminaire, primary light control with lens, of PMMA, light emission: direct distribution, primary light characteristic: symmetric, installation type: surface-mounted, suspended mounting, for 2x 2x LED, rated luminous flux: 33.150lm, luminous efficacy: 175lm/W, light colour: 840, colour temperature: 4000K, control gear: ECG DALI, with terminal, 5-pole, max. 2.5mm², mains connection: 230..240V, AC, 50/60Hz, rated input power: 190W, 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..+45°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):	4058352322987



Order No.: 51HLA2D24NCA | GTIN (EAN): 4058352322987

Detailed technical description: HB11,wd,33150lm840,DA



Key data

- Product type: LED high bay luminaire
- Product name: Highbay 11
- Order No.: 51HLA2D24NCA

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 2x 2x LED
- Rated luminous flux: 33150lm
- Luminous efficacy: 175lm/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: 190W

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..+45°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. 2.5mm²
- Nominal voltage: 230..240V, 50/60Hz, AC

Dimensions, Weight

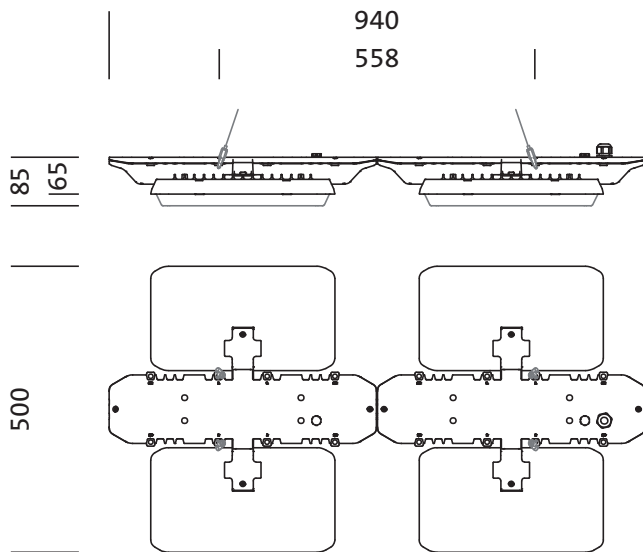
- Length: 940mm
- Width: 500mm
- Height: 65mm
- Weight: 8.8kg

Service life

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

Order No.: 51HLA2D24NCA | GTIN (EAN): 4058352322987

Dimensions: HB11,wd,33150Im840,DA



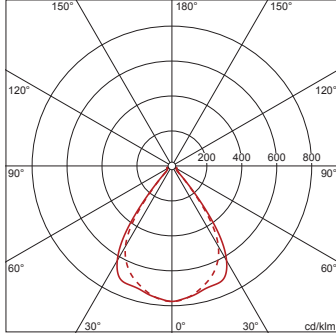
Order No.: 51HLA2D24NCA | GTIN (EAN): 4058352322987

Planning data: HB11,wd,33150lm840,DA

51HLA2D24NCA: 1x LED

4058352322987
51HLA2D24NCA

LED 4000 K | CRI ≥ 80 ϕ_N 33150 lm



ϕ_{\downarrow} 100% ϕ_{\uparrow} 0%

Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	3480	5858
L ₇₀	13093	14181
L ₆₅	13489	12881

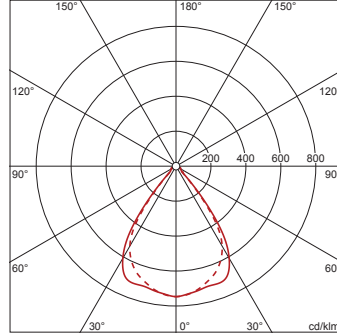
UGR 21.5 21.4

X 4H Y 8H ρ 70/50/20 S 0.25H

51HLA2D24NCA + 59HL91001: 1x LED

4058352322987 + 4058352323519
51HLA2D24NCA + 59HL91001

LED 4000 K | CRI ≥ 80 ϕ_N 31620 lm



ϕ_{\downarrow} 100% ϕ_{\uparrow} 0%

Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	2470	3688
L ₇₀	11331	11996
L ₆₅	12502	11948

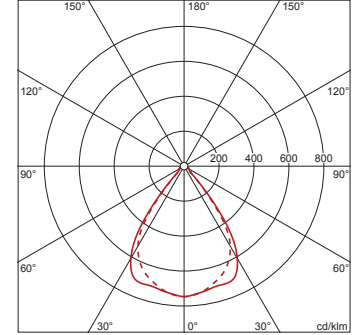
UGR 21.5 21.2

X 4H Y 8H ρ 70/50/20 S 0.25H

51HLA2D24NCA + 59HL91002: 1x LED

4058352322987 + 4058352341650
51HLA2D24NCA + 59HL91002

LED 4000 K | CRI ≥ 80 ϕ_N 29910 lm



ϕ_{\downarrow} 100% ϕ_{\uparrow} 0%

Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	2336	3488
L ₇₀	10719	11347
L ₆₅	11826	11302

UGR 21.3 21

X 4H Y 8H ρ 70/50/20 S 0.25H

Order No.: 51HLA2D24NCA | GTIN (EAN): 4058352322987

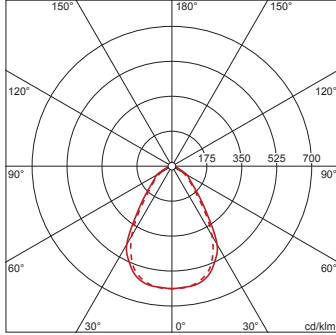
Planning data: HB11,wd,33150lm840,DA

**51HLA2D24NCA +
59HL91004: 1x LED**

4058352322987 + 4058352341674

51HLA2D24NCA + 59HL91004

LED 4000 K | CRI ≥ 80 ϕ_N 30180 lm



ϕ_{\downarrow} 99% ϕ_{\uparrow} 1%

Luminance values (cd/m²)

	C 0/180	C 90/270
L ₈₀	10474	9217
L ₇₀	13142	13782
L ₆₅	17233	16520

UGR 24.2 23.8

X 4H Y 8H ρ 70/50/20 S 0.25H