

**Order No.:** 52HN11DB4MDA02 | **GTIN (EAN):** 4069025421401

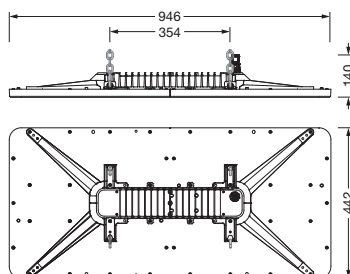
**Product description:** HB21mx,nrrw,28000lm840,BTm



high bay luminaire Highbay 21 maxi; direct symmetric narrow distribution, light control with lens of PMMA;  $UGR \leq 19$  ( $X = 4H$  |  $Y = 8H$  |  $S = 0.25H$  | reflection values 70/50/20); luminous flux: 28.000lm; light colour: 840, colour temperature: 4000K, MacAdam  $\leq 3$  SDCM (initial), colour rendering: CRI > 80; luminous efficacy: 193,8lm/W; rated service life: 75.000h (L80/B50) at  $AT = t_a$  max; control: Bluetooth® Mesh; for wireless networking: Node luminaire for setting up a local control solution without a higher-level application controller, intelligence completely in the luminaire; no control line such as DALI between the Node multi-sensor luminaires and Nodes is required, wireless integration of other Node luminaires and Node multi-sensor luminaires into the network is possible; number of Node luminaires in the project can be expanded as required, network sizes > 300 Nodes can be realized; can also be connected to lighting or building automation via various gateways upon request; integrated DALI2 ECG provides luminaire data (according to IEC62386, Part 251), energy data (Part 252), and monitoring and analytics data (Part 253) to higher-level systems for further processing; luminaire connection: terminal, 5-pole, max. 2.5mm<sup>2</sup> (cable entry for one cable, Ø 8.5..16mm); mains connection: 230..240V, AC 50/60Hz; connected load: 144,5W; protection rating (complete): IP66; insulation class (complete): insulation class I (protective earthing); protection symbol: D; impact resistance: IK08; certification: CE, ENEC, VDE, UKCA; internal wiring halogen-free; luminaire corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry; LABS conformity tested according to VDMA 24364:2018-05; housing frame of high-performance plastic PA6, matt traffic white (RAL 9016); cover of PMMA; dimension (LxWxH): 946 x 442 x 72mm; permissible operating ambient temperature: -20..+45°C (reducing of maximum allowable ambient temperature of 5°C with ceiling mounting); packaging unit: 1 piece; (delivery without accessories; please order mounting accessories separately)



Lamps: LED  
Wt. (kg): 7.1  
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It is mandatory that the assembly instructions must be observed when planning and installing the electrical installation (to be found at [www.siteco.com](http://www.siteco.com))

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

Issued 09.05.2025 - Modifications and errors subject to change - Ensure that you always use the latest version -

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**Detailed technical description:** HB21mx,nrrw,28000lm840,BTm



## Key data

- System family: SITECO Connect 11H Wireless
- Product type: high bay luminaire
- Product name: Highbay 21 maxi
- Order No.: 52HN11DB4MDA02

## Lighting technology | Lamps | Control gear

### Component 1

#### Lighting technology:

- Light control: lens of PMMA
- Cover: cover
- Beam angle: narrow distribution
- Symmetry: symmetric
- Light emission: direct distribution
- UGR viewing direction along longitudinal luminaire axis:  $\leq 19$
- UGR viewing direction along lateral luminaire axis:  $\leq 19$

#### Lamps:

- Lamps: with LED
- Rated luminous flux: 28000lm
- Luminous efficacy: 194lm/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: 144.5W
- Supplement: internal wiring halogen-free

#### Operating device:

- Control: Bluetooth® Mesh, dimmable

## Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class I (protective earthing)
- Impact resistance: IK08
- Protection symbol: D
- Temperature range (operation): -20...+45°C
- Supplement: corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, LABS conformity tested according to VDMA 24364:2018-05
- Certification, designation: CE, ENEC, VDE, UKCA

## Material, Colour

- housing frame: high-performance plastic PA6, matt traffic white (RAL 9016)
- Colour specification: matt traffic white (RAL 9016)
- Cover: cover of PMMA

## Mounting

- Mounting method, mounting location: suspended mounting, surface-mounted, to wire, to the ceiling, to the chain
- Arrangement: single arrangement

## Electrical connection

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

## Dimensions, Weight

- Length: 946mm
- Width: 442mm
- Height: 72mm
- Weight: 7.1kg

## Service life

- Rated service life: 75000h (L80/B50) at AT = ta max

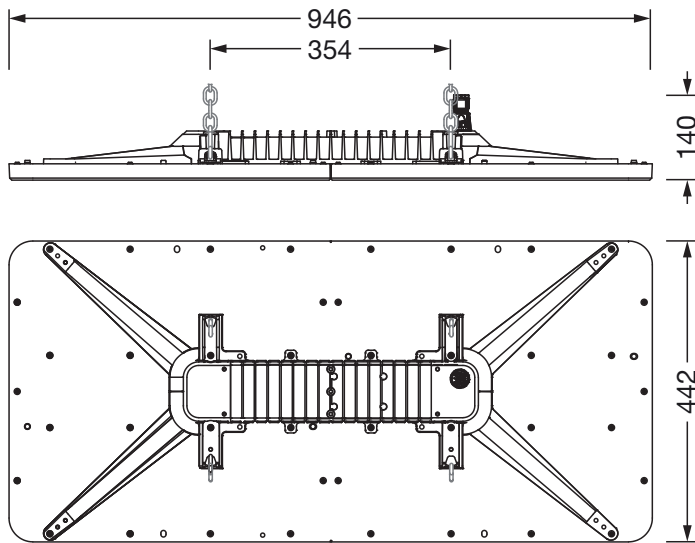
## Outputs

### Bluetooth® Node (2.4GHz)

- Feature: wireless networking

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