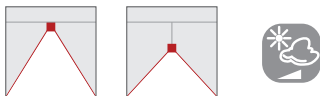


**Order No.:** 52HN12DB4MLA01 | **GTIN (EAN):** 4069025421807

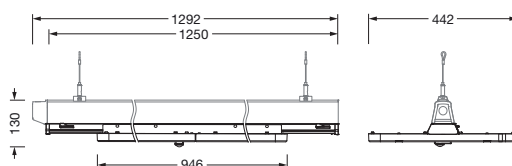
**Product description:** HB21/Lic-mx,wd,28000lm840,BTm,M-Sens



high bay luminaire Highbay 21 for Licross® trunking rail maxi; direct symmetric wide distribution, light control with lens of PMMA;  $UGR \leq 22$  ( $X = 4H$  |  $Y = 8H$  |  $S = 0.25H$  | 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) at AT= ta max; control: Bluetooth® Mesh; for wireless networking: Node multi-sensor luminaire for setting up a local control solution without a higher-level application controller, intelligence completely integrated into the luminaire; with auto-swarm function: leading lighting creates safety. The function is already active without any „out-of-the-box“ commissioning; commissioning is not necessary thanks to „out-of-the-box“ functions: basic functions (presence lighting, follow-up times, fading times, etc.) are already preset at the factory; 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 multi-sensor 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 with PIR sensor (passive-infrared); with light sensor; luminaire connection: plug, 5-pole, with phase selectionmains connection: 230..240V, AC 50/60Hz; connected load: 144,5W; protection rating (complete): IP64; insulation class (complete): insulation class I (protective earthing); protection symbol: D; certification: CE, UKCA; internal wiring halogen-free; luminaire LABS conformity tested according to VDMA 24364:2018-05; Suitable for use in the food industry according to the specifications of IFS-Food, HACCP and/or BRC; housing frame of high-performance plastic PA6, matt traffic white (RAL 9016); cover of PMMA; fixing on rail side of steel, galvanised, white; blank cover of PC/ABS, traffic white (RAL 9016); dimension (LxWxH): 1.250 x 442 x 71mm; permissible operating ambient temperature: -20..+45°C (reducing of maximum allowable ambient temperature of 5°C with ceiling mounting); packaging unit: 1 piece



Lamps: LED  
Wt. (kg): 7.0  
GTIN (EAN): 4069025421807



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 15.08.2025 - Modifications and errors subject to change - Ensure that you always use the latest version -

**Order No.:** 52HN12DB4MLA01 | **GTIN (EAN):** 4069025421807

**Detailed technical description:** HB21/Lic-mx,wd,28000lm840,BTm,M-Sens



## Key data

- System family: SITECO Connect 11H Wireless
- Product type: high bay luminaire
- Product name: Highbay 21 for Licross® trunking rail maxi
- Order No.: 52HN12DB4MLA01

## Lighting technology | Lamps | Control gear

### Component 1

#### Lighting technology:

- Light control: lens of PMMA
- Cover: cover
- Beam angle: wide 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 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: IP64
- Insulation class: insulation class I (protective earthing)
- Protection symbol: D
- Temperature range (operation): -20...+45°C
- Supplement: LABS conformity tested according to VDMA 24364:2018-05, Suitable for use in the food industry according to the specifications of IFS-Food, HACCP and/or BRC
- Certification, designation: CE, UKCA

## Material, Colour

- housing frame: high-performance plastic PA6, matt traffic white (RAL 9016)
- Colour specification: matt traffic white (RAL 9016)
- fixing on rail side: steel, galvanised, white
- Colour specification: white
- blank cover: PC/ABS, traffic white (RAL 9016)
- Colour specification: traffic white (RAL 9016)
- Cover: cover of PMMA

## Mounting

- Mounting height: 5..17m
- Arrangement: continuous row arrangement

## Electrical connection

- Connection: plug, 5-pole, with phase selection
- Nominal voltage: 230..240V, 50/60Hz, AC

## Dimensions, Weight

- Length: 1250mm
- Width: 442mm
- Height: 71mm
- Weight: 7.0kg

## Service life

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

## Inputs

### PIR sensor (passive-infrared)

- Connection: motion sensor technology
- Detection angle: 360°
- Detection range: at mounting height (Mh) = 15m: tangential max.  $\varnothing 21m$  | at Mh = 7.5m: tangential max.  $\varnothing 10.5m$
- Feature: circular detection area

**Order No.:** 52HN12DB4MLA01 | **GTIN (EAN):** 4069025421807

**Detailed technical description:** HB21/Lic-mx,wd,28000lm840,BTm,M-Sens



#### light sensor

- Connection: daylight sensor technology
- Detection angle: 60°
- Detection range: measuring range on the ground at mounting height (Mh) = 5m: ø approx. 5.6m | at Mh = 6m: ø approx. 6.8m
- Illuminance: 5..5000lx (measured at sensor)

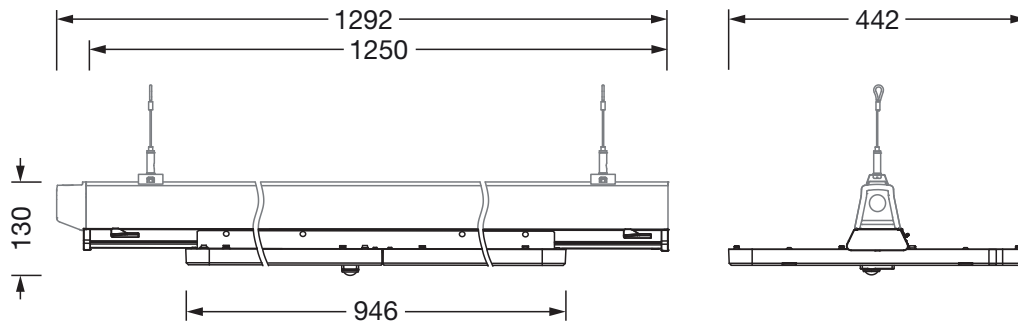
#### Outputs

#### Bluetooth® Node (2.4GHz)

- Feature: wireless networking

**Order No.:** 52HN12DB4MLA01 | **GTIN (EAN):** 4069025421807

**Dimensions:** HB21/Lic-mx,wd,28000lm840,BTm,M-Sens



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 15.08.2025 - Modifications and errors subject to change - Ensure that you always use the latest version -