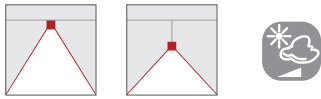


**Order No.:** 51HN12DA4MLA01 | **GTIN (EAN):** 4069025374158

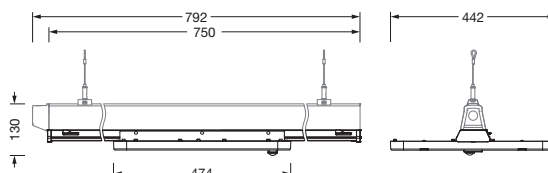
**Product description:** HB11/Lic-md,wd,28000lm840,BTm,M-Sens



high bay luminaire Highbay 11 for Licross trunking rail midi; 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  $\leq 2$  SDCM (initial), colour rendering: CRI  $> 80$ ; luminous efficacy: 190,3lm/W; rated service life: 100.000h (L95) at AT= 25°C; 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 selection; mains connection: 230..240V, AC 50/60Hz; connected load: 147,1W; 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): 750 x 442 x 72mm; permissible operating ambient temperature: -20..+35°C (reducing of maximum allowable ambient temperature of 5°C with ceiling mounting); packaging unit: 1 piece

IP 64

Lamps: LED  
Wt. (kg): 3.5  
GTIN (EAN): 4069025374158



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

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**Order No.:** 51HN12DA4MLA01 | **GTIN (EAN):** 4069025374158

**Detailed technical description:** HB11/Lic-md,wd,28000lm840,BTm,M-Sens



## Key data

- System family: SITECO Connect 11H Wireless
- Product type: high bay luminaire
- Product name: Highbay 11 for Licross trunking rail midi
- Order No.: 51HN12DA4MLA01

## 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: 190lm/W
- Colour temperature: 4000K
- Colour rendering index: CRI > 80
- Light colour: 840
- SDCM (Standard Deviation of Colour Matching): MacAdam  $\leq 2$  SDCM (initial)
- Rated input power: 147.1W
- 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...+35°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
- Standard: EPBD ready: DALI 2 ECG, certified according to IEC62386, parts 251 (Luminaire Data), 252 (Energy Data), 253 (Diagnostics & Maintenance Data)
- Certification, designation: CE, UKCA

## Material, Colour

- housing frame: high-performance plastic PA6, matt traffic white (RAL 9016)
- fixing on rail side: steel, galvanised, white
- blank cover: PC/ABS, 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: 750mm
- Width: 442mm
- Height: 72mm
- Weight: 3.5kg

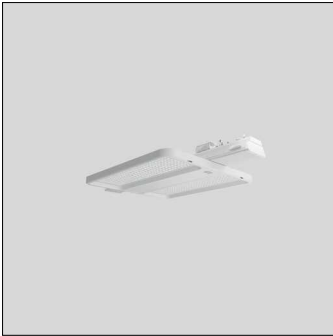
## Service life

- Rated service life: 100000h (L95) at AT = 25°C, 100000h (L90) at AT = ta max

## Inputs

**Order No.:** 51HN12DA4MLA01 | **GTIN (EAN):** 4069025374158

**Detailed technical description:** HB11/Lic-md,wd,28000lm840,BTm,M-Sens



**PIR sensor (passive-infrared)**

- Connection: motion sensor technology
- Detection angle: 360°
- Detection range: at mounting height (Mh) = 15m: tangential max. ø21m | at Mh = 7.5m: tangential max. ø10.5m
- Feature: circular detection area

**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)

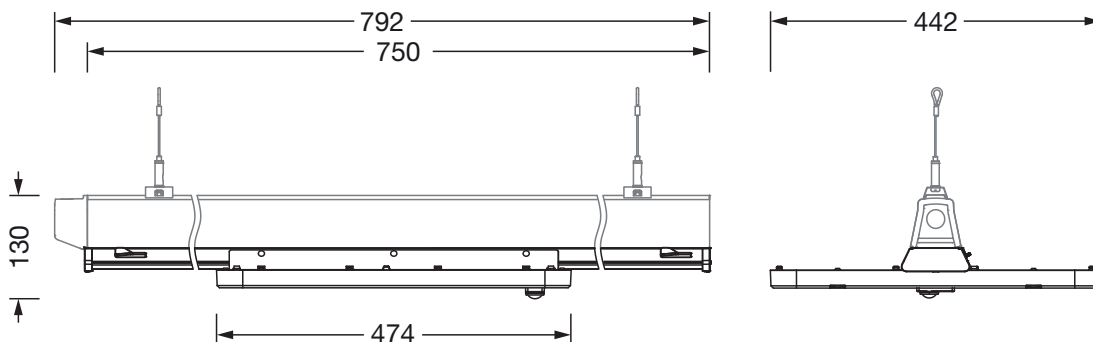
**Outputs**

**Bluetooth Node (2.4GHz)**

- Feature: wireless networking

**Order No.:** 51HN12DA4MLA01 | **GTIN (EAN):** 4069025374158

**Dimensions:** HB11/Lic-md,wd,28000lm840,BTm,M-Sens



## Sensor PC11

| Mh   | T             |
|------|---------------|
| 7,5m | ø = ca. 10,5m |
| 15m  | ø = ca. 21m   |

Lichtsensord: Messbereich direkt am Sensor 5...5000lx  
Light sensor: measurement range direct on the sensor 5...5000lx

Die in der Tabelle dargestellten Reichweiten wurden unter Laborbedingungen ermittelt und dienen ausschließlich als unverbindliche Orientierungswerte. Sie basieren auf Messungen ohne bauliche oder umgebungsbedingte Einschränkungen der Sensorerfassung. Eine projektspezifische Planung und Bewertung der tatsächlichen Einbausituation durch qualifiziertes Fachpersonal ist zwingend erforderlich, um die geforderten Leistungs- und Funktionsanforderungen sicherzustellen.

The ranges shown in the table were determined under laboratory conditions and are provided solely as non-binding reference values. They are based on measurements without any structural or environmental limitations affecting sensor detection. A project-specific design and assessment of the actual installation conditions by qualified professionals is essential to ensure that the required performance and functional specifications are met.

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

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