

**Order No.:** 51HN11DA4FLA01 | **GTIN (EAN):** 4069025373854

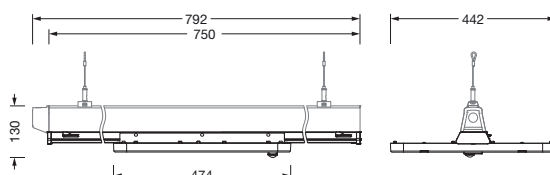
**Product description:** HB11/Lic-md,nrrw,15000lm840,BTm,M-Sens



high bay luminaire Highbay 11 for Licross® trunking rail midi; direct symmetric narrow distribution, light control with lens of PMMA; UGR ≤ 22 (X = 4H | Y = 8H | S = 0.25H | reflection values 70/50/20); luminous flux: 15.000lm; light colour: 840, colour temperature: 4000K, MacAdam ≤ 2 SDCM (initial), colour rendering: CRI > 80; luminous efficacy: 203,5lm/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: 73,7W; 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..+40°C (reducing of maximum allowable ambient temperature of 5°C with ceiling mounting); packaging unit: 1 piece



Lamps: LED  
Wt. (kg): 3.5  
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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.de](http://www.siteco.de))

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 -

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**Detailed technical description:** HB11/Lic-md,nrrw,15000lm840,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
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## 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:  $\leq 22$
- UGR viewing direction along lateral luminaire axis:  $\leq 22$

#### Lamps:

- Lamps: with LED
- Rated luminous flux: 15000lm
- Luminous efficacy: 204lm/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: 73.7W
- 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...+40°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: 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

### 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

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#### 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)

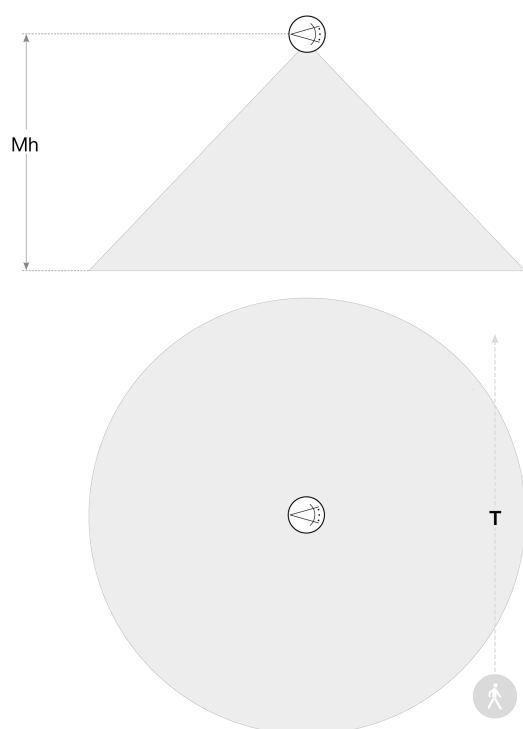
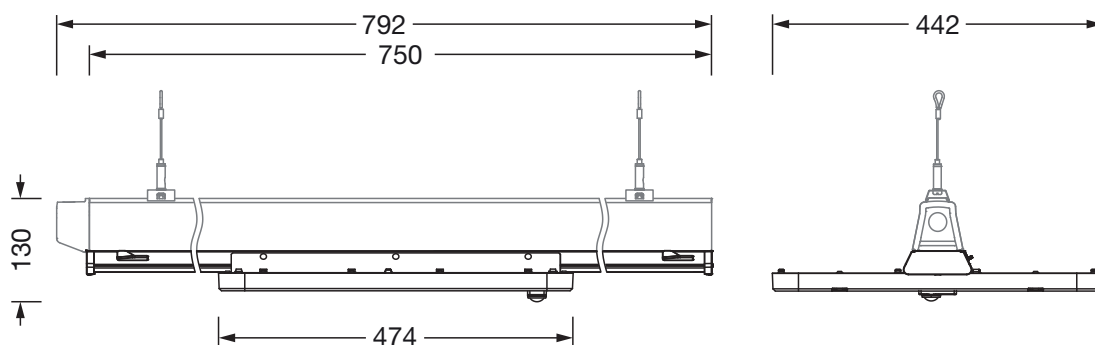
#### Outputs

#### Bluetooth® Node (2.4GHz)

- Feature: wireless networking

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**Dimensions:** HB11/Lic-md,nrrw,15000lm840,BTm,M-Sens



## Sensor PC 11

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

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