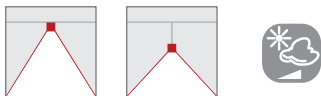


**Order No.:** 52HN12DB4MDA03 | **GTIN (EAN):** 4069025421791

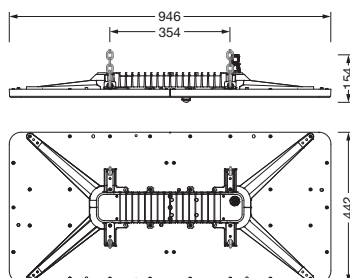
**Product description:** HB21mx,wd,28000lm840,DA2,M-Sens



high bay luminaire Highbay 21 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: 194,4lm/W; rated service life: 75.000h (L80/B50) at  $AT = t_a$  max; control: DALI 2; for wired networking: open and standardized DALI2 interface enables full flexibility and future-proofing for changes in use or functional adaptation through individual programming; multi-sensor luminaire consisting of a DALI2 multi-sensor and DALI2 ECG; multi-sensor luminaire for wired connection to a DALI2 application controller (e.g., SITECO Connect 11 or 21); can also be connected to existing on-site lighting or building automation systems upon request; integrated DALI2 sensor certified according to IEC 62386, Parts 101, 103, 303, and 304; integrated DALI2 ECG provides luminaire data (according to IEC 62386, 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: terminal, 5-pole, max. 2.5mm<sup>2</sup> (cable entry for one cable,  $\varnothing 8.5..16$ mm); mains connection: 230..240V, AC 50/60Hz; connected load: 144W; protection rating (complete): IP65; insulation class (complete): insulation class I (protective earthing); protection symbol: D; 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  
GTIN (EAN): 4069025421791



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.:** 52HN12DB4MDA03 | **GTIN (EAN):** 4069025421791

**Detailed technical description:** HB21mx,wd,28000lm840,DA2,M-Sens



## Key data

- System family: Siteco Connect 11, SITECO Connect 21 O
- Product type: high bay luminaire
- Product name: Highbay 21 maxi
- Order No.: 52HN12DB4MDA03

## 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: 144W
- Supplement: internal wiring halogen-free

#### Operating device:

- Control: DALI 2, dimmable

#### Certificates, Standards

- Protection rating: IP65
- Insulation class: insulation class I (protective earthing)
- 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
- Mounting height: 5..17m
- 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

## Inputs

### 1x 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

### light sensor

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

## Outputs

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.:** 52HN12DB4MDA03 | **GTIN (EAN):** 4069025421791

**Detailed technical description:** HB21mx,wd,28000lm840,DA2,M-Sens

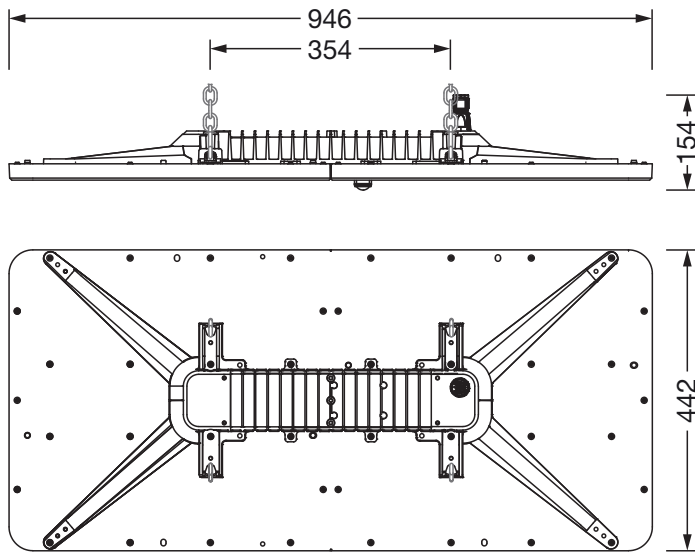


**DALI-2**

— System current: max. 12mA

**Order No.:** 52HN12DB4MDA03 | **GTIN (EAN):** 4069025421791

**Dimensions:** HB21mx,wd,28000lm840,DA2,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

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