

**Order No.:** 53BM812M1V4120 | **GTIN (EAN):** 4058352421888

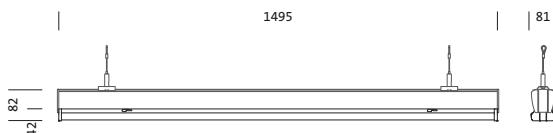
**Product description:** Mod31HO,LI,wd,12380lm840,ML,wh,5su



Modario® 31 HO, luminaire insert, of sheet steel, coil coated, white, length: 1.495mm, width: 81mm, height: 82mm, 5x system unit, system units: 299mm, LED rated luminous flux: 12.380lm, light colour: 840, control gear: ON/OFF Multilumen, control gear: ECG Multilumen, with plug, 3-pole, with phase selection, mains connection: 220..240V, AC, 50/60Hz, rated input power: 77W, through-wiring accessed according to module size, primary optical cover: cover, of PMMA, light emission: direct distribution, primary light characteristic: symmetric, protection rating (complete): IP20, protection rating (LED compartment): IP50, insulation class (complete): insulation class I (protective earthing), certification: CE, ENEC, VDE, UKCA, impact resistance: IK03, permissible ambient temperature for indoor applications: -35...+35°C, corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, reducing of maximum allowable ambient temperature of 5°C with ceiling mounting, packaging unit: 1 piece



Lamps:	LED
Wt. (kg):	1.9
GTIN (EAN):	4058352421888



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 12.04.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

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**Detailed technical description:** Mod31HO,LI,wd,12380lm840,ML,wh,5su



#### Key data

- Product type: luminaire insert
- Product name: Modario® 31 HO
- Order No.: 53BM812M1V4120

#### Lighting technology | Lamps | Control gear

##### Component 1

#### Lighting technology:

- Cover: cover, prismatic structure, frosted
- Beam angle: wide distribution
- Symmetry: symmetric
- Light emission: direct distribution
- UGR viewing direction along longitudinal luminaire axis:  $\leq 28$
- UGR viewing direction along lateral luminaire axis:  $\leq 28$

#### Lamps:

- Lamps: with LED
- Rated luminous flux: 12380lm
- Luminous efficacy: 160lm/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: 77W

#### Operating device:

- Control gear: ECG Multilumen
- Control: ON/OFF Multilumen

#### Certificates, Standards

- Protection rating: IP20
- Protection rating (lamp compartment): IP50
- Insulation class: insulation class I (protective earthing)
- Impact resistance: IK03
- Temperature range (operation): -35...+35°C
- Supplement: corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, reducing of maximum allowable ambient temperature of 5°C with ceiling mounting
- Certification, designation: CE, ENEC, VDE, UKCA

#### Material, Colour

- PS LED insert: sheet steel, coil coated, white, 5x system unit, for tool-free mounting of luminaire in Modario® trunking rail
- Colour specification: white
- Cover: cover of PMMA

#### Mounting

- Arrangement: single/continuous arrangement

#### Electrical connection

- Connection: plug, 3-pole, with phase selection
- Nominal voltage: 220..240V, 50/60Hz, AC

#### Dimensions, Weight

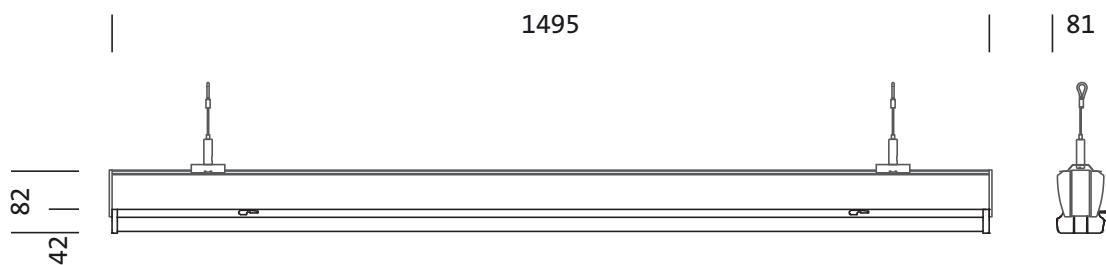
- System units: 5x SE
- Length: 1495mm
- Width: 81mm
- Height: 82mm
- Weight: 1.9kg

#### Service life

- Rated service life: 50000h (L85/B50) at AT = 25°C

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**Dimensions:** Mod31HO,LI,wd,12380lm840,ML,wh,5su



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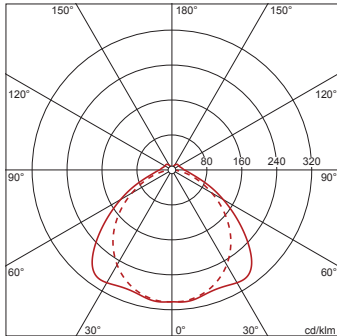
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53BM812M1V4120: 1x LED

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53BM812M1V4120

LED 4000 K | CRI ≥ 80      $\phi_V$  12380 lm



$\phi_d$  92%     $\phi_t$  8%

Luminance values (cd/m<sup>2</sup>)

	C 0/180	C 90/270
L <sub>80</sub>	9437	13822
L <sub>70</sub>	12936	19029
L <sub>65</sub>	16057	21319

UGR 26.4    26.4

X 4H   Y 8H    $\rho$  70/50/20   S 0.25H