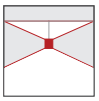
siteco

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

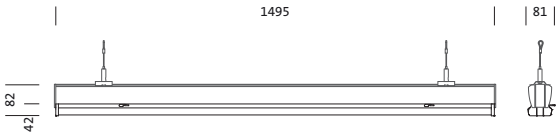
Product description: Mod31HO,LI,wd,12380lm840,ML,wh,5su



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

IP 20 IK 03

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)
Tolerances related to thermal, electrical and photometric data according to IEC 62722
Issued 27.09.2024 - Modifications and errors subject to change - Ensure that you always use the latest version -

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

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: ≤ 28
- UGR viewing direction along lateral luminaire axis: ≤ 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 ≤ 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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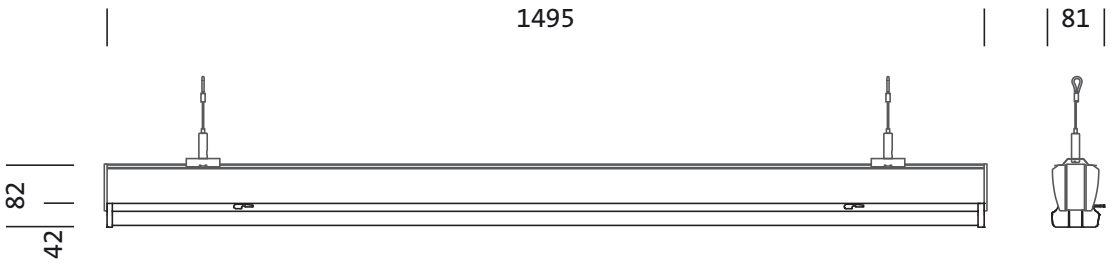
Dimensions: Mod31HO,LI,wd,12380lm840,ML,wh,5su



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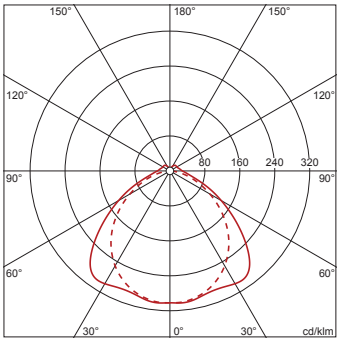
Planning data: Mod31HO,LI,wd,12380lm840,ML,wh,5su

53BM812M1V4120: 1x LED

4058352421888
53BM812M1V4120
LED 4000 K | CRI ≥ 80 ϕ_N 12380 lm



$\phi_{\downarrow}$ 92% $\phi_{\uparrow}$ 8%

Luminance values (cd/m²)

	C 0/180	C 90/270
L_{80}	9437	13822
L_{70}	12936	19029
L_{65}	16057	21319

UGR	26.4	26.4

X 4H Y 8H ρ 70/50/20 S 0.25H

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