

PRODUCT DATASHEET

ST8V-EM 20 W/3000 K 1500 mm

SubstiTUBE Eco | LED tubes for electromagnetic control gears



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Corridors, stairways, parking garages
- Train stations
- Underground stations
- Supermarkets and department stores
- Industry
- Warehouses
- Hospitality

Product benefits

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Very high resistance to switching loads
- Also suitable for operation at low temperatures

Product features

- T8 LED tube made of glass with G13 base
- High color consistency: < 6 SDCM
- Lifetime up to 15,000 h
- Mercury-free lamps
- Color rendering index R_a : ≥ 80



TECHNICAL DATA**Electrical data**

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	230 V
Nominal current	160 mA
Type of current	AC
Power factor λ	> 0.50

Photometrical data

Luminous flux	1900 lm
Luminous efficacy	95 lm/W
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	≥80
Light color	830

Light technical data

Beam angle	160 °
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Dimensions & Weight

Overall length	1514.20 mm
Diameter	28.00 mm
Tube diameter	27,5 mm
Base diameter	25,7 mm
Product weight	230.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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Lifespan

Number of switching cycles	50000
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Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg
Mercury-free	Yes

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
Standards	CE

Country-specific categorizations

Order reference	ST8V-1.5M 20W/8
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1514.20 mm
Height	28.00 mm
Width	28.00 mm

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	MLS T8-150CM 5FT 3000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075034150	Sleeve 1	1,607 mm x 30 mm x 30 mm	302.00 g	1.45 dm³
4058075034167	Shipping box 25	1,622 mm x 158 mm x 176 mm	7995.00 g	45.10 dm³

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.