

PRODUCT DATASHEET

ST8E-EM 20 W/4000 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 $R_a: \geq 80$



TECHNICAL DATA

Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220...240 V
Nominal current	160 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous flux	2000 lm
Luminous efficacy	100 lm/W
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥ 80
Light color	840
Standard deviation of color matching	≤ 6 sdc _m

Light technical data

Beam angle	> 160.00 °
Starting time	< 0.5 s
Rated beam angle (half peak value)	> 160.00 °

Dimensions & Weight

Overall length	1514.00 mm
Diameter	28.00 mm
Product weight	230.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
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Lifespan

Nominal lamp life time	15000 h
Number of switching cycles	50000

Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
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Country-specific categorizations

Order reference	ST8E-1.5M 20W/8
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1514.00 mm
Height	28.00 mm
Width	28.00 mm

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075437340	Sleeve 1	1,555 mm x 28 mm x 28 mm	249.00 g	1.22 dm ³
4058075437357	Shipping box 25	1,610 mm x 168 mm x 170 mm	7189.00 g	45.98 dm ³

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.