

## PRODUCT DATASHEET

### ST8E-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  $R_a$ :  $\geq 80$



## TECHNICAL DATA

### Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220...240 V
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor $\lambda$	> 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
Standard deviation of color matching	≤6 sdcn

### Light technical data

Beam angle	ˆ 180.00 °
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	1514.20 mm
Diameter	28.00 mm
Product weight	227.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	< 75 °C

### Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

### Capabilities

Dimmable	No
----------	----

### Certificates & Standards

Type of protection	IP20
--------------------	------

### Country-specific categorizations

Order reference	ST8E-1.5M 20W/8
-----------------	-----------------

### LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
------------------------------	--------------

### 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

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075429543	Sleeve 1	1,555 mm x 28 mm x 28 mm	249.00 g	1.22 dm <sup>3</sup>
4099854238345	Shipping box 25	1,610 mm x 168 mm x 170 mm	6240.00 g	45.98 dm <sup>3</sup>
4058075429550	Shipping box 25	1,610 mm x 168 mm x 170 mm	7189.00 g	45.98 dm <sup>3</sup>

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.