

## PRODUCT DATASHEET

### ST8E-EM 18 W/6500 K 1200 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	18 W
Construction wattage	18.00 W
Nominal voltage	220...240 V
Nominal current	140 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous flux	1800 lm
Luminous efficacy	100 lm/W
Light color (designation)	Daylight
Color temperature	6500 K
Color rendering index Ra	$\geq 80$
Light color	865
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>

### Light technical data

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

### Dimensions & Weight

Overall length	1214.00 mm
Diameter	28.00 mm
Product weight	200.00 g

### Temperatures & operating conditions

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

Lifespan	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-1.2M 18W/8
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**Energy labelling regulation data acc EU 2019/2015**

Light source cap-type (or other electric interface)	G13
Length	1214.00 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
4058075429529	Sleeve 1	1,255 mm x 28 mm x 28 mm	219.00 g	0.98 dm <sup>3</sup>
4058075429536	Shipping box 25	1,310 mm x 168 mm x 170 mm	6288.00 g	37.41 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.