

## PRODUCT DATASHEET

### ST8A-EM 17.5 W/6500 K 1200 mm

SubstiTUBE Advanced Wide Voltage | High performance LED tubes for electromagnetic control gears



#### Areas of application

- Industrial lighting
- Offices, shopping centers, hospitals, restaurants, hotels
- Traffic zones and corridors

#### Product benefits

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- High luminous flux for sophisticated lighting tasks
- Instant 100 % light, no warm-up time
- Low energy consumption
- Three year guarantee

#### Product features

- Lifetime up to 50,000 h
- Mercury-free and RoHS compliant
- Uniform illumination
- Type of protection: IP20
- T8 LED tube made of glass with G13 base



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## TECHNICAL DATA

### Electrical data

Nominal wattage	17.5 W
Construction wattage	17.50 W
Nominal voltage	100...240 V
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Total harmonic distortion	< 20 %
Power factor $\lambda$	> 0.90

### Photometrical data

Luminous flux	2100 lm
Luminous efficacy	120 lm/W
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Standard deviation of color matching	≤6 sdc <sub>m</sub>

### Light technical data

Beam angle	160 °
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	1213.60 mm
Diameter	28.00 mm
Product weight	190.00 g

### Temperatures & operating conditions

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

### Lifespan

Number of switching cycles	100000
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### Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

### Capabilities

Dimmable	No
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### Country-specific categorizations

Order reference	ST8A-1.2M 17,5W
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### LOGISTICAL DATA

Temperature range at storage	-25...+80 °C
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### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1213.60 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
4058075410619	Sleeve 1	1,255 mm x 28 mm x 28 mm	209.00 g	0.98 dm <sup>3</sup>
4058075410626	Shipping box 0			

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.

### References / Links

– For current information see [www.ledvance.com/substitute](http://www.ledvance.com/substitute)

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