

PRODUCT DATASHEET

ST8V-1.2M 16 W/4000 K 1200 mm

SubstiTUBE T8 EM VALUE | Value LED tubes for electromagnetic control gears (CCG)



Areas of application

- Train stations
- Offices
- Underground stations
- Supermarkets and department stores
- Parking lots & Alleys
- Warehouses

Product benefits

- Quick, simple and safe replacement of fluorescent lamps without rewiring the CCG
- Realistic color rendering thanks high color saturation and excellent color rendering index
- Outstanding quality of light
- Lower maintenance cost thanks to longer lifetime than traditional Fluorescent
- Correct operation even at low temperatures
- RoHS-conformity
- Mercury-free
- High color rendition (Ra≥80) with excellent color fidelity for a true lighting effect

Product features

- LED replacement for classic T8 fluorescent lamps with G13 socket for use in CCG luminaires
- Lifetime up to 30,000 h
- High luminous efficacy: up to 112 lm/W



TECHNICAL DATA

Electrical data

Nominal wattage	16 W
Construction wattage	16.00 W
Nominal voltage	230 V
Nominal current	125 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous flux	1800 lm
Luminous efficacy	112 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 sdcn

Light technical data

Beam angle	› 160.00 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1213.60 mm
Diameter	28.00 mm
Product weight	96.00 g

Temperatures & operating conditions

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

Lifespan L70/B50 at 25 °C	30000 h
Number of switching cycles	100000

Additional product data

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

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
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Country-specific categorizations

Order reference	ST8V-1.2M 16W/8
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Light source cap-type (or other electric interface)	G13
Length	1213.60 mm
Height	28.00 mm
Width	28.00 mm

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	ST8V1.2M 16W840 230V EM PC
	LDT file (Eulumdat)	ST8V1.2M 16W840 230V EM PC
	Light distribution curve type polar	ST8V1.2M 16W840 230V EM PC

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854309687	Sleeve 2	1,285 mm x 54 mm x 27 mm	270.00 g	1.87 dm³
4099854309694	Shipping box 50	1,305 mm x 315 mm x 175 mm	8763.00 g	71.94 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.