
Product datasheet

ST8V-EM 16.2 W/830 1200 mm

SubstiTUBE Value | Economic LED tubes for electromagnetic control gears



- General illumination within ambient temperatures from -20...+45 °C Corridors, stairways, parking garages Industry Warehouses Cooling and storage rooms Warehouses Domestic applications Supermarkets and department stores

- No bending thanks to glass tube Energy savings of up to 68 % (compared to T8 fluorescent lamp on CCG) Quick, simple and safe replacement without rewiring Instant-on light, therefore ideally suitable in combination with sensor technology Very high resistance to switching loads Also suitable for operation at low temperatures



Technical data

Electrical data

Max. lamp no. on circuit break. 10 A (B)	98
Max. lamp no. on circuit break. 16 A (B)	157
Rated wattage	16.20 W
Operating frequency	50...60 Hz
Nominal wattage	16.20 W
Nominal voltage	220...240 V
Nominal current	0.075 A
Claimed equiv. conventional lamp power	36 W

Photometrical data

Standard deviation of color matching	≤6 sdc _m
Rated luminous flux	1530 lm
Nominal luminous flux	1530 lm
Rated color temperature	3000 K
Color rendering index Ra	≥80
Color temperature	3000 K
Light color (designation)	Warm White
Luminous flux	1530 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Beam angle	190 °
Starting time	< 0.5 s

Dimensions & weight

Product weight	208.00 g
Length	1212 mm
Outer bulb	T8
Overall length	1212 mm
Diameter	26.7 mm

Temperatures & operating conditions

Temperature range at storage	-20...80 °C
Ambient temperature range	-20...+45 °C

Lifespan

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Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Lumen maintenance at end of service life	0.70
Number of switching cycles	200000

Additional product data

Appropriate disposal acc. to WEEE	Yes
Mercury content	0.0 mg
Mercury-free	Yes
Base (standard designation)	G13

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A+
Energy consumption	17 kWh/1000h
Type of protection	IP20

Country specific categorizations

Order reference	ST8V-1.2M 16,2W
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Equipment / Accessories

- Suitable for operation with low-loss and conventional control gears

References / Links

For current information see

- ▶ www.osram.com/substitute

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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