

Product datasheet

ST8V-EM 16.4 W/830 1200 mm

SubstiTUBE Value | Economic LED tubes for electromagnetic control gears (CCG)



- 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



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Technical data

Electrical data

Rated wattage	16.40 W
Operating frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	93
Max. lamp no. on circuit break. 16 A (B)	149
Nominal wattage	16.40 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	1620 lm
Nominal luminous flux	1620 lm
Rated color temperature	3000 K
Color rendering index Ra	≥ 80
Color temperature	3000 K
Light color (designation)	Warm White
Luminous flux	1620 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	190.00 g
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Length	1212 mm
Outer bulb	T8
Overall length	1212 mm
Diameter	26.7 mm

Temperatures & operating conditions

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

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
Predecessor EAN	4058075024670

Capabilities

Dimmable	No
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Certificates & standards

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

Country specific categorizations

Order reference	ST8V-1.2M 16,4W
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4058075454507
Declaration No. in SCIP database	In work

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Equipment / Accessories

- Suitable for operation with low-loss and conventional control gears
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Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Disclaimer

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

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