

Product datasheet

ST8A-EM 7.3 W/840 600 mm

SubstiTUBE Advanced | High performance LED tubes for electromagnetic control gears



- General illumination within ambient temperatures from -20...+50 °C Illumination of production areas Traffic zones and corridors Supermarkets and department stores Industry

- No bending thanks to glass technology Quick, simple and safe replacement without rewiring Energy savings of up to 60 % (compared to T8 fluorescent lamp on CCG) 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

Max. lamp no. on circuit break. 10 A (B)	125
Max. lamp no. on circuit break. 16 A (B)	200
Rated wattage	7.30 W
Operating frequency	50...60 Hz
Nominal wattage	7.30 W
Nominal voltage	220...240 V
Nominal current	0.036 A
Claimed equiv. conventional lamp power	18 W

Photometrical data

Standard deviation of color matching	≤ 5 sdc _m
Rated luminous flux	1100 lm
Nominal luminous flux	1100 lm
Rated color temperature	4000 K
Color rendering index Ra	83
Color temperature	4000 K
Light color (designation)	Cool White
Luminous flux	1100 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	100.00 g
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Length	603.0 mm
Outer bulb	T8
Overall length	603.0 mm
Diameter	26.7 mm

Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
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Lifespan

Nominal lamp life time	50000 h
Rated lamp life time	50000 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	8 kWh/1000h
Type of protection	IP20

Country specific categorizations

Order reference	ST8A-0.6M 7,3W/
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Equipment / Accessories

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

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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4058075454743	ST8A-EM 7.3 W/840 600 mm	Shipping carton box 10 Pieces Sleeves	742 mm x 210 mm x 115 mm	17.92 dm ³	1610.00 g
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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.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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