

PRODUCT DATASHEET

ST8E-HO 20 W/4000 K 1200 mm

SubstiTUBE ECO HO | LED tubes for electromagnetic control gears with high lumen output



Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Corridors, stairways, parking garages
- Train stations
- Underground stations
- Supermarkets and department stores
- Industry

Product benefits

- Good quality of light
- High lumen output up to 2200 lm
- Quick, simple and safe replacement without rewiring
- Low maintenance costs thanks to long lifetime
- Also suitable for operation at low temperatures
- Photobiological safety according to IEC 62778, risk group RG0

Product features

- T8 LED tube made of glass with G13 base
- Good color rendering index $R_a \geq 80$
- High color consistency: ≤ 6 SDCM



- Lifetime up to 15,000 h
- Mercury-free and RoHS compliant

TECHNICAL DATA

Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220...240 V
Nominal current	155 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous flux	2200 lm
Luminous efficacy	110 lm/W
Lumen main.fact.at end of nom.life time	0.70
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	ˆ 160.00 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1213.60 mm
Diameter	28.00 mm
Product weight	175.00 g

Temperatures & operating conditions

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

Number of switching cycles	50000
Lumen maintenance at end of service lifetime	0.70

Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
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Country-specific categorizations

Order reference	ST8E-1.2M 20W/8
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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

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	ST8E-0.6M 20W 230V HO APM OSRAM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075512214	Sleeve 1	1,255 mm x 28 mm x 28 mm	194.00 g	1.01 dm³
4058075512221	Shipping box 25	1,310 mm x 168 mm x 170 mm	5663.00 g	37.41 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.