PRODUCT DATASHEET
ST8A-EM 8 W/3000 K 600 mm

SubstiTUBE® Advanced EM T8 PC | Polycarbonate tube, high performance LED tubes for electromagnetic control gears (CCG)

Areas of application

- Illumination of production areas
- Supermarkets and department stores
- Industry
- Train stations
- General illumination within ambient temperatures from -20…+50 °C
- Offices
- Underground stations
- Warehouses
- Parking lots, warehouses, production areas, stairways

Product benefits

- Quick, simple and safe replacement without rewiring
- Lower maintenance cost thanks to longer lifetime than traditional Fluorescent

Product features

- T8 LED tube made of plastic with G13 base
- Retrofit existing T8 lamps on EM ballast or mains
- Polycarbonate tube body with PC end-cap
- Lifetime: up to 70.000 h

TECHNICAL DATA

Electrical data

Nominal wattage	8 W
Construction wattage	8.00 W
Nominal voltage	220…240 V
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.90

Photometrical data

Luminous flux	945 lm
Luminous efficacy	118 lm/W
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	> 80
Light color	830
Standard deviation of color matching	≤5 sdcm

Light technical data

Beam angle	140.00 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	600.00 mm
Diameter	28.00 mm
Product weight	95.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C
Maximum temperature at tc test point	<75 °C

Lifespan

Lifespan L70/B50 at 25 °C	70000 h
Number of switching cycles	100000

Additional product data

Base (standard designation)	G13

Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No

Country-specific categorizations

Order reference	ST8A-0.6M 8W/83

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Light source cap-type (or other electric interface)	G13
Length	600.00 mm
Height	28.00 mm
Width	28.00 mm

EQUIPMENT / ACCESSORIES

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

Safety advice

- Not suitable for operation with electronic control gear.
- Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854304286	Sleeve 1	655 mm x 28 mm x 28 mm	114.00 g	0.52 dm³
4099854304293	Shipping box 10	695 mm x 160 mm x 90 mm	1463.00 g	10.01 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.

403 Forbidden

References / Links

- For current information see www.ledvance.com/substitube

Legal advice

- When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system.

DISCLAIMER

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

403 Forbidden