

## PRODUCT DATASHEET

### ST8E-AC DE 18 W/4000 K 1200 mm

SubstiTUBE T8 Eco Double End | LED tubes for operation with alternating current at 230 V line voltage and double ended wiring



#### Areas of application

- Offices, public buildings
- Corridors, stairways, parking garages
- Shops
- General illumination within ambient temperatures from -20...+45 °C

#### Product benefits

- Good quality of light
- Energy savings of up to 50 % compared to conventional T8 fluorescent lamps
- Easy installation

#### Product features

- Good color rendering CRI  $\geq 80$  and color stability throughout the life of the lamp
- Mercury-free and RoHS compliant
- Double ended wiring connection



TECHNICAL DATA

Electrical data

Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220...240 V
Nominal current	142 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor $\lambda$	0.50

Photometrical data

Luminous flux	1600 lm
Luminous efficacy	88 lm/W
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	$\geq 80$
Light color	840
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>

Light technical data

Beam angle	$\gamma$ 160.00 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1213.60 mm
Diameter	28.00 mm
Product weight	178.00 g

Temperatures & operating conditions

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

Number of switching cycles	50000
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Additional product data

Base (standard designation)	G13
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Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

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 18W/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 1.2M 4000 G13
	LDT file (Eulumdat)	ST8E 1.2M 4000 G13
	Light distribution curve type polar	ST8E 1.2M 4000 G13

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854312847	Sleeve 1	1,220 mm x 28 mm x 28 mm	197.00 g	0.98 dm³
4099854312854	Shipping box 25	1,270 mm x 155 mm x 165 mm	5848.00 g	32.48 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.