

# PRODUCT DATASHEET SUBSTITUBE ECO DE T8 WITH SAFETY GUARD PIN 18 W/3000 K 1200 MM

SUBSTITUBE ECO T8 | Double-ended LED T8 with Safety Guard Pin



## Areas of application

- Train stations
- Offices
- Underground stations
- Supermarkets and department stores
- Parking lots, warehouses, production areas, stairways

### Product benefits

- High luminous flux for sophisticated lighting tasks
- Easy installation
- High luminous efficacy compared with standard lamps

#### **Product features**

- T8 LED tube made of glass with G13 base
- Double-end input design
- Mercury-free lamps
- Type of protection: IP20



## TECHNICAL DATA

## Electrical data

Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220240 V
Nominal current	138 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
	33/33 / =

## Photometrical data

Luminous flux	1620 lm
Luminous efficacy	90 lm/W
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Standard deviation of color matching	≤6 sdcm

## Light technical data

Starting time	< 0.5 s
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# Dimensions & Weight

Overall length	1200.00 mm
Diameter	28.00 mm
Product weight	186.00 g

## Temperatures & operating conditions

Ambient temperature range	-20+45 °C
Maximum temperature at tc test point	<75 °C

## Lifespan

Number of switching cycles	50000
Trained of evitoring dyolog	00000

# Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg
Mercury-free	Yes

Design / version	Frosted		
Capabilities			
Dimmable	No		
Certificates & Standards			
Certificates & Standards			
Certificates & Standards  Type of protection	IP20		

# LOGISTICAL DATA

Order reference

ST8E-1.2M 18W/8

## Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1200.00 mm
Height	28.00 mm
Width	28.00 mm

## **DOWNLOAD DATA**

Photometric and lighting design files	Document name
IES file (IES)	ST8E 1.2M 18W 830 230VAC DE
LDT file (Eulumdat)	ST8E 1.2M 18W 830 230VAC DE
Light distribution curve type polar	ST8E 1.2M 18W 830 230VAC DE

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854205101	Sleeve 1	1,220 mm x 28 mm x 28 mm	205.00 g	0.96 dm <sup>3</sup>
4099854205118	Shipping box 25	1,270 mm x 167 mm x 185 mm	6111.00 g	39.24 dm <sup>3</sup>

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

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