

## PRODUCT DATASHEET

### SUBSTITUBE ECO DE T8 WITH SAFETY GUARD PIN 20 W/6500 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      | 20 W        |
| Construction wattage | 20.00 W     |
| Nominal voltage      | 220...240 V |
| Nominal current      | 150 mA      |
| Operating frequency  | 50/60 Hz    |
| Mains frequency      | 50/60 Hz    |

### Photometrical data

|                                      |          |
|--------------------------------------|----------|
| Luminous flux                        | 2100 lm  |
| Luminous efficacy                    | 105 lm/W |
| Light color (designation)            | Daylight |
| Color temperature                    | 6500 K   |
| Color rendering index Ra             | 80       |
| Light color                          | 865      |
| Standard deviation of color matching | ≤6 sdcn  |

### Light technical data

|               |         |
|---------------|---------|
| Starting time | < 0.5 s |
|---------------|---------|

### Dimensions & Weight

|                  |            |
|------------------|------------|
| Overall length   | 1200.00 mm |
| Diameter         | 28.00 mm   |
| Maximum diameter | 28 mm      |
| Product weight   | 187.00 g   |

### Temperatures & operating conditions

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

### Lifespan

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 50000 |
|----------------------------|-------|

### Additional product data

|                             |        |
|-----------------------------|--------|
| Base (standard designation) | G13    |
| Mercury content             | 0.0 mg |

|                  |         |
|------------------|---------|
| Mercury-free     | Yes     |
| Design / version | Frosted |

Capabilities

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

Certificates & Standards

|                    |            |
|--------------------|------------|
| Type of protection | IP20       |
| Standards          | ROHS / EMC |

Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | ST8E-1.2M 20W/8 |
|-----------------|-----------------|

LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

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   |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854234224 | Sleeve<br>1                  | 1,220 mm x 28 mm x 28 mm             | 206.00 g     | 0.96 dm <sup>3</sup>  |
| 4099854234231 | Shipping box<br>25           | 1,270 mm x 167 mm x 185 mm           | 6136.00 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

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