

# PRODUCT DATASHEET

## SUBSTITUBE ECO DE T8 WITH SAFETY GUARD PIN 9 W/6500 K 600 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      | 9 W         |
| Construction wattage | 9.00 W      |
| Nominal voltage      | 220...240 V |
| Nominal current      | 70 mA       |
| Operating frequency  | 50/60 Hz    |
| Mains frequency      | 50/60 Hz    |

### Photometrical data

|                                      |          |
|--------------------------------------|----------|
| Luminous flux                        | 1000 lm  |
| Luminous efficacy                    | 111 lm/W |
| Light color (designation)            | Daylight |
| Color temperature                    | 6500 K   |
| Color rendering index Ra             | 80       |
| Light color                          | 865      |
| Standard deviation of color matching | ≤6 sdcm  |

### Light technical data

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

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Overall length | 600.00 mm |
| Diameter       | 28.00 mm  |
| Product weight | 96.00 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 &amp; Standards

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

## Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | ST8E-0.6M 9W/86 |
|-----------------|-----------------|




## 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  | 600.00 mm |
| Height  | 28.00 mm  |
| Width   | 28.00 mm  |

## DOWNLOAD DATA

| Photometric and lighting design files  |                                     | Document name              |
|--|-------------------------------------|----------------------------|
|  | IES file (IES)                      | ST8E 0.6M 9W 865 230VAC DE |
|  | LDT file (Eulumdat)                 | ST8E 0.6M 9W 865 230VAC DE |
|  | Light distribution curve type polar | ST8E 0.6M 9W 865 230VAC DE |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854205064 | Sleeve<br>1                  | 610 mm x 28 mm x 28 mm               | 127.00 g     | 0.48 dm <sup>3</sup>  |
| 4099854205071 | Shipping box<br>25           | 660 mm x 167 mm x 185 mm             | 4156.00 g    | 20.39 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.

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