

# Product datasheet

## ST8V-EM 16.4 W/865 1200 mm

SubstiTUBE Value | Economic LED tubes for electromagnetic control gears



- General illumination within ambient temperatures from -20...+45 °C Corridors, stairways, parking garages Industry Warehouses Cooling and storage rooms Warehouses Domestic applications Supermarkets and department stores

- No bending thanks to glass technology Energy savings of up to 65 % (compared to T8 fluorescent lamp on CCG) Quick, simple and safe replacement without rewiring Instant-on light, therefore ideally suitable in combination with sensor technology Very high resistance to switching loads Also suitable for operation at low temperatures



## Product datasheet

### Technical data

#### Electrical data

|  |             |
|--|-------------|
| Rated wattage                            | 16.40 W     |
| Operating frequency                      | 50...60 Hz  |
| Max. lamp no. on circuit break. 10 A (B) | 93          |
| Max. lamp no. on circuit break. 16 A (B) | 149         |
| Nominal wattage                          | 16.40 W     |
| Nominal voltage                          | 220...240 V |
| Nominal current                          | 0.075 A     |
| Claimed equiv. conventional lamp power   | 36 W        |

#### Photometrical data

|   |                           |
|---|---------------------------|
| Standard deviation of color matching    | $\leq 6$ sdc <sub>m</sub> |
| Rated luminous flux                     | 1800 lm                   |
| Nominal luminous flux                   | 1800 lm                   |
| Rated color temperature                 | 6500 K                    |
| Color rendering index Ra                | $\geq 80$                 |
| Color temperature                       | 6500 K                    |
| Light color (designation)               | Cool Daylight             |
| Luminous flux                           | 1800 lm                   |
| Lumen main.fact.at end of nom.life time | 0.70                      |

#### Light technical data

|               |         |
|---------------|---------|
| Beam angle    | 190 °   |
| Starting time | < 0.5 s |

#### Dimensions & weight



|                |          |
|----------------|----------|
| Product weight | 190.00 g |
|----------------|----------|

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|                |         |
|----------------|---------|
| Length         | 1212 mm |
| Outer bulb     | T8      |
| Overall length | 1212 mm |
| Diameter       | 26.7 mm |

### Temperatures & operating conditions

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

### Lifespan

|  |         |
|--|---------|
| Nominal lamp life time                   | 30000 h |
| Rated lamp life time                     | 30000 h |
| Lumen maintenance at end of service life | 0.70    |
| Number of switching cycles               | 200000  |

### Additional product data

|                                   |        |
|-----------------------------------|--------|
| Appropriate disposal acc. to WEEE | Yes    |
| Mercury content                   | 0.0 mg |
| Mercury-free                      | Yes    |
| Base (standard designation)       | G13    |

### Capabilities

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

### Certificates & standards

|                         |              |
|-------------------------|--------------|
| Energy efficiency class | A+           |
| Energy consumption      | 17 kWh/1000h |
| Type of protection      | IP20         |

### Country specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | ST8V-1.2M 16,4W |
|-----------------|-----------------|

## Logistical Data

| Product code  | Product description        | Packaging unit (Pieces/Unit)             | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|----------------------------|--|--------------------------------------|-----------------------|--------------|
| 4058075454545 | ST8V-EM 16.4 W/865 1200 mm | Shipping carton box<br>10 Pieces Sleeves | 1290 mm x 210 mm<br>x 105 mm         | 28.44 dm <sup>3</sup> | 2796.00 g    |

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.

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