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# Product datasheet

## ST8V-EM 16.2 W/840 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 tube Energy savings of up to 68 % (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

|  |             |
|--|-------------|
| Max. lamp no. on circuit break. 10 A (B) | 98          |
| Max. lamp no. on circuit break. 16 A (B) | 157         |
| Rated wattage                            | 16.20 W     |
| Operating frequency                      | 50...60 Hz  |
| Nominal wattage                          | 16.20 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                     | 1700 lm                   |
| Nominal luminous flux                   | 1700 lm                   |
| Rated color temperature                 | 4000 K                    |
| Color rendering index Ra                | $\geq 80$                 |
| Color temperature                       | 4000 K                    |
| Light color (designation)               | Cool White                |
| Luminous flux                           | 1700 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 | 208.00 g |
|----------------|----------|

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

### Temperatures & operating conditions

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...80 °C  |
| 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           |
| Successor EAN                     | 4058075454521 |
| 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 16,2W |
|-----------------|-----------------|

### Environmental information

|  |               |
|--|---------------|
| <b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b> |               |
| Date of Declaration  | 18-04-2022    |
| Primary Article Identifier   | 4058075024694 |
| Declaration No. in SCIP database   | In work       |

## Product datasheet

### Equipment / Accessories

- Suitable for operation with low-loss and conventional control gears

### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### Logistical Data

| Product code  | Product description           | Packaging unit (Pieces/Unit)             | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|-------------------------------|--|--------------------------------------|-----------------------|--------------|
| 4058075024694 | ST8V-EM 16.2<br>W/840 1200 mm | Shipping carton box<br>10 Pieces Sleeves | 1278 mm x 154 mm<br>x 65 mm          | 12.79 dm <sup>3</sup> | 2312.00 g    |
| 4058075024694 | ST8V-EM 16.2<br>W/840 1200 mm | Shipping carton box<br>10 Pieces Sleeves | 1352 mm x 210 mm<br>x 115 mm         | 32.65 dm <sup>3</sup> | 2859.00 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.

### References / Links

For current information see

- ▶ [www.osram.com/substitute](http://www.osram.com/substitute)

### Disclaimer

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

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