# Product datasheet
# ST8V-EM 7.6 W/840 600 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

## Technical data

### Electrical data

| | |
|---|---|
| **Max. lamp no. on circuit break. 10 A (B)** | 210 |
| **Max. lamp no. on circuit break. 16 A (B)** | 340 |
| **Rated wattage** | 7.60 W |
| **Operating frequency** | 50...60 Hz |
| **Power factor λ** | > 0.90 |
| **Nominal wattage** | 7.60 W |
| **Nominal voltage** | 220...240 V |
| **Nominal current** | 0.037 A |
| **Claimed equiv. conventional lamp power** | 18 W |

### Photometrical data

| | |
|---|---|
| **Standard deviation of color matching** | ≤6 sdcm |
| **Rated luminous flux** | 800 lm |
| **Nominal luminous flux** | 800 lm |
| **Rated color temperature** | 4000 K |
| **Color rendering index Ra** | >80 |
| **Color temperature** | 4000 K |
| **Light color (designation)** | Cool White |
| **Luminous flux** | 800 lm |
| **Lumen main.fact.at end of nom.life time** | 0.70 |

### Light technical data

| | |
|---|---|
| **Warm-up time (60 %)** | < 0.50 s |
| **Beam angle** | 170 ° |
| **Starting time** | < 0.5 s |

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## Dimensions & weight

| | |
|---|---|
| **Product weight** | 103.00 g |
| **Length** | 602.0 mm |
| **Outer bulb** | T8 |
| **Overall length** | 602.0 mm |
| **Diameter** | 25.6 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** | 4058075454460 |
| **Mercury content** | 0.0 mg |
| **Mercury-free** | Yes |
| **Base (standard designation)** | G13 |

## Capabilities

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

## Certificates & standards

# Product datasheet

| Energy efficiency class | A+ |
|---|---|
| Energy consumption | 8 kWh/1000h |
| Type of protection | IP20 |

## Country specific categorizations

| Order reference | ST8V-0.6M 7,6W/ |
|---|---|

## Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh) | |
|---|---|
| Date of Declaration | 18-04-2022 |
| Primary Article Identifier | 4058075024632 |
| Declaration No. in SCIP database | In work |

## 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 |
|---|---|---|---|---|---|
| 4058075024632 | ST8V-EM 7.6 W/840 600 mm | Shipping carton box 10 Pieces Sleeves | 668 mm x 154 mm x 65 mm | 6.69 dm³ | 823.00 g |
| 4058075024632 | ST8V-EM 7.6 W/840 600 mm | Shipping carton box 10 Pieces Sleeves | 742 mm x 210 mm x 115 mm | 17.92 dm³ | 1652.00 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/substitube

# Product datasheet

## Disclaimer

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

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