

ST8RA-EM 27 W/865 1500 mm Rotatable EM

SubstiTUBE Advanced | LED tubes for electromagnetic control gears



Areas of application

- General illumination within ambient temperatures from -25...+50 °C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product benefits

- Quick, simple and safe replacement without rewiring
- Energy savings of up to 60 % (compared to T8 fluorescent lamp on CCG)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Maximum resistance to switching loads
- Correct operation even at low temperatures
- Extremely break resistant thanks to aluminum heat sink and polycarbonate cover

Product features

- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Bright, robust and durable
- Uniform illumination
- Wide beam angle: 130°
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Integrated ECG with high power factor



Technical data

Electrical data

| | |
|------------------------|------------|
| Rated luminous flux | 3400 lm |
| Nominal wattage | 27.0 W |
| Rated wattage | 27.00 W |
| Nominal voltage | 230 V |
| Operating frequency | 50...60 Hz |
| Type of current | AC |
| Power factor λ | > 0.90 |

Photometrical data

| | |
|--------------------------------------|---------------|
| Light color (designation) | Cool Daylight |
| Color temperature | 6500 K |
| Nominal luminous flux | 3400 lm |
| Color rendering index Ra | >80 |
| Standard deviation of color matching | ≤ 4 sdcn |
| Rated useful luminous flux 90° | 3400 lm |

Light technical data

| | |
|------------------------------------|----------|
| Beam angle | 150 ° |
| Starting time | < 0.5 s |
| Warm-up time (60 %) | < 2.00 s |
| Nominal beam angle | 150 ° |
| Rated beam angle (half peak value) | 150.00 ° |

Dimensions & weight

| | |
|----------------|----------|
| Overall length | 1513 mm |
| Length | 1513 mm |
| Tube diameter | 27.5 mm |
| Base diameter | 27.5 mm |
| Product weight | 370.00 g |

Temperatures

| | |
|--------------------------------|--------------|
| Ambient temperature range | -20...+50 °C |
| Temperature range in operation | -20...70 °C |
| Temperature range at storage | -20...80 °C |

Lifespan

Product datasheet

| | |
|---|---------|
| Nominal lamp life time | 50000 h |
| Rated lamp life time | 50000 h |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Number of switching cycles | 200000 |

Additional product data

| | |
|-----------------------------|----------------------------------|
| Base (standard designation) | G13 |
| Mercury-free | Yes |
| Product remark | In development, data preliminary |

Capabilities

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

Certificates & standards

| | |
|-------------------------|--------------|
| Standards | CE; VDE |
| Energy efficiency class | A+ |
| Energy consumption | 32 kWh/1000h |

Country specific categorizations

| | |
|-----------------|-----------------|
| Order reference | ST8RA-1.5M 27W/ |
|-----------------|-----------------|

Logistical data

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

Equipment / Accessories

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

Safety advice

Not suitable for operation with electronic control gear.

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|--|---------------------------------|---|-----------------------|--------------|
| 4052899937673 | ST8RA-EM 27 W/865 1500 mm Rotatable EM | Shipping carton box 25 | 1637 mm x 166 mm x 182 mm | 49.46 dm ³ | 12441.00 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.

Product datasheet

References / Links

For current information see

▶ www.osram.com/substitute

Disclaimer

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