

PRODUCT DATASHEET

ST8V-UN 8 W/3000K 600 mm

SubstiTUBE Value UN | LED tubes for electronic and electromagnetic control gears



AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45 °C
- Corridors, stairways, parking garages
- Warehouses

PRODUCT BENEFITS

- Also suitable for operation at low temperatures
- Easy installation
- No bending thanks to glass technology

PRODUCT FEATURES

- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 30,000 h
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage



TECHNICAL DATA

Electrical data

| | |
|--|--------------------------|
| Rated wattage | 8.00 W |
| Nominal voltage | 220...240 V |
| Operating frequency | 50...60 Hz ¹⁾ |
| Nominal wattage | 8.00 W |
| Nominal current | 0.045 A ²⁾ |
| Type of current | AC |
| Max. lamp no. on circuit break. 10 A (B) | 113 |
| Max. lamp no. on circuit break. B10 A - CCG without compensation | 113 |
| Max. lamp no. on circuit break. B10 A - CCG with compensation | 37 |
| Max. lamp no. on circuit break. B16 A - CCG without compensation | 166 |
| Max. lamp no. on circuit break. B16 A - CCG with compensation | 62 |
| Max. lamp no. on circuit break. 16 A (B) | 166 |
| Power factor λ | 0.80 |

¹⁾ 20-75KHz for ECG (HF)

²⁾ 378 mA for ECG (HF)

Photometrical data

| | |
|---|---------------------|
| Rated color temperature | 3000 K |
| Nominal luminous flux | 720 lm |
| Rated luminous flux | 720 lm |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Color temperature | 3000 K |
| Luminous flux | 720 lm |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | ≤6 sdc _m |

Light technical data

| | |
|------------------------------------|----------|
| Starting time | < 0.5 s |
| Warm-up time (60 %) | < 0.50 s |
| Rated beam angle (half peak value) | 160.00 ° |

Dimensions & weight



| | |
|--|-----------|
| Length with base excl. base pins/connection | 598.00 mm |
| Tube diameter | 26.7 mm |
| Base diameter | 28.0 mm |
| Product weight | 133.00 g |
| Overall length | 600.0 mm |

Temperatures & operating conditions

| | |
|---|--------------|
| Ambient temperature range | -20...+45 °C |
| Maximum temperature at tc test point | 53 °C |

Lifespan

| | |
|-----------------------------------|---------|
| Lifespan | 30000 h |
| Nominal lamp life time | 30000 h |
| Rated lamp life time | 30000 h |
| Number of switching cycles | 100000 |

Additional product data

| | |
|------------------------------------|-----|
| Base (standard designation) | G13 |
| Mercury-free | Yes |

Capabilities

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

Certificates & standards

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

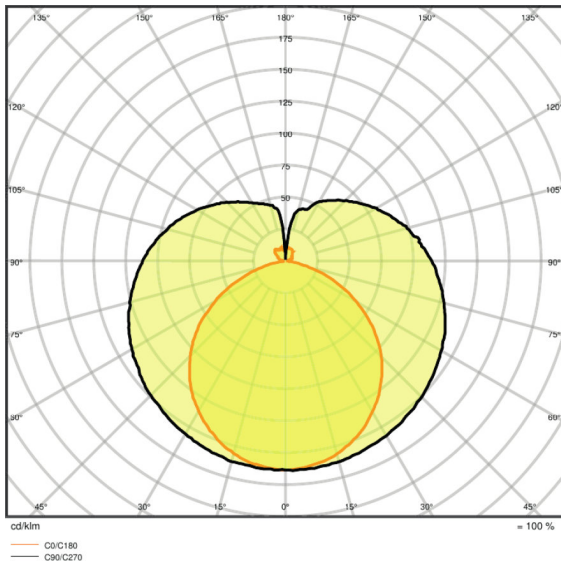
Country-specific categorizations

| | |
|------------------------|-----------------|
| Order reference | ST8V-0.6M 8W/83 |
|------------------------|-----------------|

Logistical data

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

Light Distribution



LDC typ polar

SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075137400 | Sleeves 1 | 695 mm x 29 mm x 29 mm | 151.00 g | 0.58 dm ³ |
| 4058075137417 | Shipping carton box 10 | 742 mm x 210 mm x 115 mm | 2102.00 g | 17.92 dm ³ |

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.ledvance.com/substitute

LEGAL ADVICE

When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system.

DISCLAIMER

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