

PRODUCT DATASHEET

SP T8 CC 20 W/1660 K 1200 mm

LED STAR+ CHIP Control T8 | LED tube lamps 26 mm, with G13 bases, for UV-sensitive applications



Areas of application

- Microchip fabrication plants
- Where UV and blue components have to be reduced to the absolute minimum

Product benefits

- Excellent UV filter at 520 nm
- Short payback period thanks to low energy consumption and maintenance costs
- Very long lifetime of up to 25,000 h
- Large input voltage range: 100...240 Vac

Product features

- LED alternative to conventional lamps
- Luminous efficacy: up to 90 lm/W
- Mercury-free and RoHS compliant



TECHNICAL DATA

Electrical data

| | |
|--|---------------------|
| Nominal wattage | 20 W |
| Construction wattage | 20.00 W |
| Nominal voltage | 100...240 (NO STX V |
| Claimed equiv. conventional lamp power | 40 W |
| Nominal current | 96 mA |
| Type of current | AC |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Power factor λ | > 0.90 |

Photometrical data

| | |
|---|---------|
| Luminous flux | 1800 lm |
| Luminous efficacy | 90 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Yellow |
| Color temperature | 1660 K |
| Light color | 16 |

Light technical data

| | |
|---------------------|----------|
| Beam angle | 110 ° |
| Warm-up time (60 %) | < 1.00 s |
| Starting time | < 1.0 s |

Dimensions & Weight

| | |
|------------------|------------|
| Overall length | 1212.00 mm |
| Diameter | 26.00 mm |
| Maximum diameter | 26 mm |
| Product weight | 330.00 g |

Temperatures & operating conditions

| | |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
|---------------------------|--------------|

Lifespan

| | |
|----------------------------|--------|
| Number of switching cycles | 100000 |
|----------------------------|--------|

| | |
|--|--------|
| Lumen maintenance at end of service lifetime | 0.70 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

Additional product data

| | |
|-----------------------------|--------|
| Base (standard designation) | G13 |
| Mercury content | 0.0 mg |

Capabilities

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

Certificates & Standards

| | |
|-------------------------|------------------|
| Energy efficiency class | A+ ¹⁾ |
| Energy consumption | 20.00 kWh/1000h |

¹⁾ Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LEDSPT8-1.2M 20 |
|-----------------|-----------------|

Energy labelling regulation data acc EU 2019/2015

| | |
|---|------------|
| Light source cap-type (or other electric interface) | G13 |
| Length | 1212.00 mm |
| Height | 26.00 mm |
| Width | 26.00 mm |

Safety advice

- Replacement required after reaching the average service life (L70/B50).
- Under standard conditions acc. IEC (natural aging, 25 - 40°C ambient temperature), a typical increase of the emitted radiation power in the wavelength range < 520 nm about 3 mW/klm per 10,000 hours of operation was determined. This corresponds to approx. 0.1% of the total emitted radiation power. This increase depends on the specific operation conditions. For applications in photo sensitive areas, routine maintenance is necessary. This must include verification of the amount of short wavelength light emitted, and, if required, lamp replacement.

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075054387 | Sleeve 1 | 1,290 mm x 29 mm x 29 mm | 382.00 g | 1.08 dm ³ |
| 4058075054394 | Shipping box 25 | 1,335 mm x 166 mm x 182 mm | 10458.00 g | 40.33 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.

DISCLAIMER

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