

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
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Lifespan

Number of switching cycles	100000
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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
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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	LEDSP8-1.2M 20
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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.