PRODUCT DATASHEET
ST8SP-EM 24 W/4000K 1800 mm EM

SubstiTUBE STAR PC | Economic LED tubes for electromagnetic control gears

AREAS OF APPLICATION

- Corridors, stairways, parking garages
- Cooling and storage rooms
- Warehouses
- Domestic applications
- General illumination within ambient temperatures from –20…+45 °C

PRODUCT BENEFITS

- Extremely break resistant thanks to cover made of polycarbonate
- High color homogeneity
- Energy savings of up to 68 % compared to conventional 1,500 mm T8 fluorescent lamp
- Instant flickerfree starting
- LED replacement for conventional compact fluorescent lamps for use in CCG luminaires or on AC mains

PRODUCT FEATURES

- T8 LED tube with G13 base
- Mercury-free and RoHS compliant
- Luminous efficacy: up to 105 lm/W
- Type of protection: IP20

TECHNICAL DATA

Electrical data

Rated wattage	24.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal wattage	24.00 W
Nominal current	0.15 A
Type of current	AC
Power factor λ	0.90

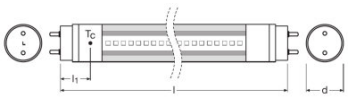
Photometrical data

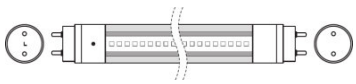
Rated color temperature	4000 K
Nominal luminous flux	2600 lm
Rated luminous flux	2600 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	2600 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤6 sdcm

Light technical data

Starting time	< 1.0 s
Warm-up time (60 %)	< 1.00 s
Rated beam angle (half peak value)	130.00 °

Dimensions & weight





Length with base excl. base pins/connection	1800.00 mm
Tube diameter	27.5 mm

Product weight	320.00 g
Overall length	1777 mm

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C

Lifespan

Lifespan	30000 h
Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Number of switching cycles	200000

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	29 kWh/1000h

Country-specific categorizations

ILCOS	DR-24/840-G13-27.5/1700
Order reference	ST8SP-1.8M 24W/

Logistical data

Temperature range at storage	-20…+80 °C

EQUIPMENT / ACCESSORIES

– Suitable for operation on magnetic control gear

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
4058075069176	Sleeves 1	1865 mm x 29 mm x 29 mm	368.00 g	1.57 dm^3
4058075069183	Shipping carton box 25	1918 mm x 163 mm x 175 mm	10234.00 g	54.71 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.

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.