

PRODUCT DATASHEET

ST8P-EM 19.1 W/4000 K 1500 mm

SubstiTUBE PURE | 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

- No bending thanks to glass technology
- High color homogeneity
- Energy savings of up to 68 % compared to conventional 1,500 mm T8 fluorescent lamp
- Instant flickerfree starting

Product features

- T8 LED tube made of glass with G13 base
- Mercury-free and RoHS compliant
- Luminous efficacy: up to 95 lm/W
- Type of protection: IP20



TECHNICAL DATA

Electrical data

Nominal wattage	19.1 W
Construction wattage	19.10 W
Nominal voltage	220...240 V
Nominal current	78 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	94 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	> 80
Light color	840
Standard deviation of color matching	≤ 6 sdc _m

Light technical data

Beam angle	210 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	210.00 °

Dimensions & Weight

Overall length	1513.00 mm
Diameter	25.60 mm
Maximum diameter	26 mm
Product weight	230.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
---------------------------	--------------

Lifespan

Lifespan	30000 h
Number of switching cycles	15000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	> 0.90

Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg

Capabilities

Dimmable	No
----------	----

Certificates & Standards

Energy efficiency class	A+
Energy consumption	19.10 kWh/1000h
Type of protection	IP20
Standards	CE

Country-specific categorizations

Order reference	ST8P-1.5M 19,1W
-----------------	-----------------

LOGISTICAL DATA

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

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1513.00 mm
Height	25.60 mm
Width	25.60 mm



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.

DOWNLOAD DATA

DOWNLOAD DATA	
	User instruction
	zIES data (archived) - do not use

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075024397	Sleeve 1	29 mm x 29 mm x 1,565 mm	263.00 g	1.32 dm ³
4058075024403	Shipping box 10	1,578 mm x 154 mm x 65 mm	3040.00 g	15.80 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.