PRODUCT DATASHEET
ST8P-EM 7.6 W/6500 K 600 mm EM

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

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TECHNICAL DATA

Electrical data

Rated wattage	7.60 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal wattage	7.60 W
Nominal current	0.037 A
Type of current	AC
Power factor λ	> 0.90

Photometrical data

Rated color temperature	6500 K
Nominal luminous flux	700 lm
Rated luminous flux	700 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Luminous flux	700 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤6 sdcm

Light technical data

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

Dimensions & weight



Length with base excl. base pins/connection	590.00 mm
Tube diameter	25.6 mm

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Base diameter	25.5 mm
Product weight	100.00 g
Overall length	602.0 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	15000

Additional product data

Base (standard designation)	G13
Mercury-free	Yes

Capabilities

Dimmable	No

Certificates & standards

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

Country-specific categorizations

ILCOS	DR-7.6/865-G13-25.5/590
Order reference	ST8P-0.6M 7,6W/

Logistical data

Temperature range at storage	-20…80 °C

EQUIPMENT / ACCESSORIES

– Suitable for operation on magnetic control gear

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SAFETY ADVICE

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

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075024335	ST8P-EM 7.6 W/6500 K 600 mm EM	Shipping carton box 10	668 mm x 154 mm x 65 mm	6.69 dm^3	1348.00 g

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.

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