

PRODUCT DATASHEET

ST8E-AC 16 W/4000K 1200 mm

SubstiTUBE ENTRY AC | LED tubes



PRODUCT BENEFITS

- No bending thanks to glass technology
- Quick, simple and safe replacement without rewiring
- Energy savings of up to 65 % (compared to T8 fluorescent lamp on CCG)
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Also suitable for operation at low temperatures

PRODUCT FEATURES

- T8 LED tube made of glass with G13 base
- Mercury-free and RoHS compliant
- Type of protection: IP20



TECHNICAL DATA

Electrical data

Rated wattage	16.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal wattage	16.00 W
Nominal current	0.126 A
Type of current	AC
Power factor λ	> 0.50

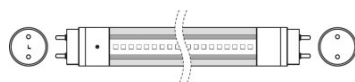
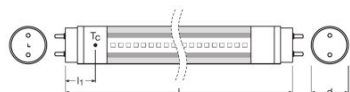
Photometrical data

Rated color temperature	4000 K
Nominal luminous flux	1800 lm
Rated luminous flux	1800 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	1800 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤ 6 sdc _m

Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s
Rated beam angle (half peak value)	220.00 °

Dimensions & weight



Base diameter	25.5 mm
Product weight	190.00 g

Overall length	1212 mm
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Temperatures & operating conditions

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

Nominal lamp life time	30000 h
Rated lamp life time	30000 h
Number of switching cycles	50000

Additional product data

Base (standard designation)	G13
Mercury-free	Yes

Capabilities

Dimmable	No
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Certificates & standards

Type of protection	IP20
Standards	CE
Energy efficiency class	A+
Energy consumption	16 kWh/1000h

Country-specific categorizations

Order reference	ST8E-1.2M 16W/8
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Logistical data

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

Not suitable for operation with electronic control gear.

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
4058075817852	Sleeves 1	29 mm x 29 mm x 1335 mm	261.00 g	1.12 dm ³
4058075817869	Shipping carton box 25	1270 mm x 155 mm x 160 mm	6647.00 g	31.50 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.

REFERENCES / LINKS

For current information see

▶ www.ledvance.com/substitute

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.