

PRODUCT DATASHEET

ST5HE14-AC 8 W/3000 K 549 mm

SubstiTUBE T5 100-240V AC | LED tubes for operation on AC mains connection



Areas of application

- Train stations
- Offices
- Underground stations
- Supermarkets and department stores
- Parking lots, warehouses, production areas
- General illumination within ambient temperatures from -20...+45 °C

Product benefits

- Quick, simple and safe replacement for traditional T5 Fluorescent tube
- Reduced operational cost due to lower energy consumption
- Lower maintenance cost thanks to longer lifetime than traditional Fluorescent

Product features

- LED replacement for T5 fluorescent lamps with G5 base on AC mains
- Long lifetime of up to 50,000h (L70B50)
- Luminous efficacy: up to 150 lm/W
- Glass tube with protection film
- Input voltage: AC 100-240 V

TECHNICAL DATA

Electrical data

Nominal wattage	8 W
Construction wattage	8.00 W
Nominal voltage	100...240 V
Operating mode	AC
Nominal current	85 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Total harmonic distortion	< 20 %
Power factor λ	> 0.90

Photometrical data

Luminous flux	1080 lm
Luminous efficacy	135 lm/W
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	> 80
Light color	830
Standard deviation of color matching	≤ 5 sdc _m

Light technical data

Beam angle	> 160.00 °
Starting time	< 0.5 s

Dimensions & Weight



Overall length	549.00 mm
Diameter	16.50 mm
Product weight	200.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	50 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
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Additional product data

Base (standard designation)	G5
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
Standards	CB / IEC62776

Country-specific categorizations

Order reference	ST5HE14-0.6M 8W
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Light source cap-type (or other electric interface)	G5
Length	549.00 mm
Height	16.50 mm
Width	16.50 mm

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	ST 5HE 14 0.6M 8W 830
	LDC typ polar	ST 5HE 14 0.6M 8W 830

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854098482	Sleeve 1	565 mm x 20 mm x 24 mm	213.00 g	0.27 dm ³
4099854098499	Shipping box 10	645 mm x 140 mm x 85 mm	2358.00 g	7.68 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.