

PRODUCT DATASHEET

ST5HE-UN 10 W/4000K 800 mm

SubstiTUBE T5 HE UN | LED tubes for electronic high frequency control gears and AC mains



AREAS OF APPLICATION

- Supermarkets and department stores
- Industry
- Public buildings, reception areas, offices, corridors, etc.
- General illumination within ambient temperatures from –20...+50 °C

PRODUCT BENEFITS

- No bending thanks to glass technology
- Also suitable for operation at low temperatures
- High luminous flux for sophisticated lighting tasks

PRODUCT FEATURES

- Tube made of glass
- Type of protection: IP20
- Lifetime: up to 60,000 h
- Compatible with many common electronic control gears (see also compatibility list) and line voltage
- High color consistency: ≤ 5 SDCM



TECHNICAL DATA

Electrical data

Rated wattage	10.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz ¹⁾
Nominal wattage	10.00 W
Nominal current	0.05 A ²⁾
Type of current	AC
Max. lamp no. on circuit break. 10 A (B)	108
Max. lamp no. on circuit break. 16 A (B)	174
Total harmonic distortion	< 20 %
Power factor λ	> 0.90

¹⁾ 40-95KHz for ECG (HF)

²⁾ 150-320 mA for ECG (HF)

Photometrical data

Rated color temperature	4000 K
Nominal luminous flux	1500 lm
Rated luminous flux	1500 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	1500 lm
Color rendering index Ra	83
Standard deviation of color matching	≤5 sdcn

Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s
Rated beam angle (half peak value)	160.00 °

Dimensions & weight



Length with base excl. base pins/connection	849.00 mm
Tube diameter	16 mm
Base diameter	17.0 mm
Product weight	102.00 g
Overall length	849.0 mm

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	65 °C

Lifespan

Lifespan	60000 h
Nominal lamp life time	60000 h
Rated lamp life time	60000 h
Number of switching cycles	200000

Additional product data

Base (standard designation)	G5
Mercury-free	Yes

Capabilities

Dimmable	No
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Certificates & standards

Type of protection	IP20
Standards	CE
Energy efficiency class	A++
Energy consumption	10 kWh/1000h

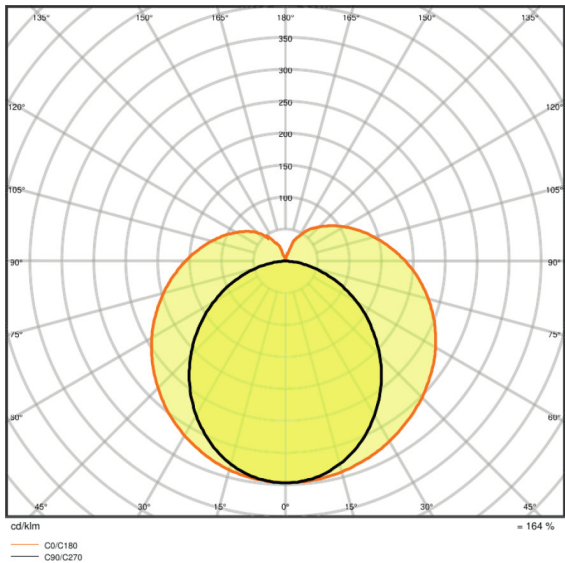
Country-specific categorizations

Order reference	ST5HE21-0.9M 10
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Logistical data

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



LDC typ polar

SAFETY ADVICE

Not suitable for operation with conventional 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
4058075138162	Sleeves 1	865 mm x 20 mm x 24 mm	117.00 g	0.42 dm ³
4058075138179	Shipping carton box 10	918 mm x 153 mm x 80 mm	1514.00 g	11.24 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 T5 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.