PRODUCT DATASHEET
ST5HE14-UN 7 W/6500K 549.0 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

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TECHNICAL DATA

Electrical data

Rated wattage	7.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz [1]
Nominal wattage	7.00 W
Nominal current	0.036 A [2]
Type of current	AC
Max. lamp no. on circuit break. 10 A (B)	153
Max. lamp no. on circuit break. 16 A (B)	246
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	6500 K
Nominal luminous flux	1000 lm
Rated luminous flux	1000 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Luminous flux	1000 lm
Color rendering index Ra	83
Standard deviation of color matching	≤5 sdcm

Light technical data

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

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Dimensions & weight





Length with base excl. base pins/connection	549.00 mm
Tube diameter	16 mm
Base diameter	17.0 mm
Product weight	75.00 g
Overall length	549.0 mm

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C
Maximum temperature at tc test point	75 °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

Certificates & standards

Type of protection	IP20
Standards	CE
Energy efficiency class	A++
Energy consumption	7 kWh/1000h

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Country-specific categorizations

Order reference	ST5HE14-0.6M 7W

Logistical data

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

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
4058075138247	Sleeves 1	565 mm x 20 mm x 25 mm	90.00 g	0.28 dm³
4058075138254	Shipping carton box 10	595 mm x 157 mm x 89 mm	1200.00 g	8.31 dm³

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/substitube

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.

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