

# PRODUCT DATASHEET

## ST8V-UN 8 W/6500K 600 mm

SubstiTUBE Value UN | LED tubes for electronic and electromagnetic control gears



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### AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+45 °C
- Corridors, stairways, parking garages
- Warehouses

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### PRODUCT BENEFITS

- Also suitable for operation at low temperatures
- Easy installation
- No bending thanks to glass technology

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### PRODUCT FEATURES

- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 30,000 h
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage



## TECHNICAL DATA

### Electrical data

Rated wattage	8.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz <sup>1)</sup>
Nominal wattage	8.00 W
Nominal current	0.045 A <sup>2)</sup>
Type of current	AC
Max. lamp no. on circuit break. 10 A (B)	113
Max. lamp no. on circuit break. B10 A - CCG without compensation	113
Max. lamp no. on circuit break. B10 A - CCG with compensation	37
Max. lamp no. on circuit break. B16 A - CCG without compensation	166
Max. lamp no. on circuit break. B16 A - CCG with compensation	62
Max. lamp no. on circuit break. 16 A (B)	166
Power factor $\lambda$	0.80

<sup>1)</sup> 20-75KHz for ECG (HF)

<sup>2)</sup> 378 mA for ECG (HF)

### Photometrical data

Rated color temperature	6500 K
Nominal luminous flux	800 lm
Rated luminous flux	800 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Luminous flux	800 lm
Color rendering index Ra	≥80
Standard deviation of color matching	≤6 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



<b>Length with base excl. base pins/connection</b>	598.00 mm
<b>Tube diameter</b>	26.7 mm
<b>Base diameter</b>	28.0 mm
<b>Product weight</b>	133.00 g
<b>Overall length</b>	600.0 mm

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+45 °C
<b>Maximum temperature at tc test point</b>	53 °C

Lifespan

<b>Lifespan</b>	30000 h
<b>Nominal lamp life time</b>	30000 h
<b>Rated lamp life time</b>	30000 h
<b>Number of switching cycles</b>	100000

Additional product data

<b>Base (standard designation)</b>	G13
<b>Mercury-free</b>	Yes

Capabilities

<b>Dimmable</b>	No
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Certificates & standards

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

## Country-specific categorizations

<b>Order reference</b>	ST8V-0.6M 8W/86
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## Logistical data

<b>Temperature range at storage</b>	-20...+80 °C
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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	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075137448	Sleeves 1	695 mm x 29 mm x 29 mm	151.00 g	0.58 dm <sup>3</sup>
4058075137455	Shipping carton box 10	742 mm x 210 mm x 115 mm	1942.00 g	17.92 dm <sup>3</sup>

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](http://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.