

# PRODUCT DATASHEET

## ST8A-UN 7.5 W/865 600 mm UN

SubstiTUBE Universal Advanced | LED tubes for electronic and electromagnetic control gears



### AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+50 °C
- Supermarkets and department stores
- Industry
- Offices, public buildings

### PRODUCT BENEFITS

- Also suitable for operation at low temperatures
- Excellent luminous flux
- Easy installation

### PRODUCT FEATURES

- T8 LED tube made of glass with G13 base
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 60,000 h
- Suitable for operation with conventional control gear or line voltage
- Compatible with many common conventional and electronic control gears (see also compatibility list)



**TECHNICAL DATA**

Electrical data

Nominal wattage	7.50 W
Rated wattage	7.50 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal current	0.05 A
Type of current	AC
Power factor $\lambda$	> 0.90

Photometrical data

Light color (designation)	Cool Daylight
Rated color temperature	6500 K
Nominal luminous flux	1100 lm
Rated luminous flux	1100 lm
Color rendering index Ra	>80
Lumen main.fact.at end of nom.life time	0.70
Standard deviation of color matching	$\leq 4$ sdcn

Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 2.00 s
Rated beam angle (half peak value)	160.00 °

Dimensions & weight



Length with base excl. base pins/connection	589.00 mm
Tube diameter	27.5 mm
Base diameter	25.5 mm
Product weight	127.00 g

<b>Overall length</b>	603.0 mm
-----------------------	----------

### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
----------------------------------	--------------

### Lifespan

<b>Lifespan</b>	60000 h
<b>Nominal lamp life time</b>	60000 h
<b>Rated lamp life time</b>	60000 h
<b>Number of switching cycles</b>	200000

### Additional product data

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

### Capabilities

<b>Dimmable</b>	No
-----------------	----

### 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>ILCOS</b>	DR-7,5/865-G13-25,5/603
<b>Order reference</b>	ST8AU-0.6M 7,5W

### Logistical data

<b>Temperature range at storage</b>	-20...80 °C
-------------------------------------	-------------

## SAFETY ADVICE

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

## LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075818798	ST8A-UN 7.5 W/865 600 mm UN	Shipping carton box 8	753 mm x 182 mm x 125 mm	17.13 dm <sup>3</sup>	2154.00 g

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.