

# PRODUCT DATASHEET

## ST8AU-UN 15 W/4000K 1200 mm

SubstiTUBE Advanced UO UN | LED tubes for electronic and electromagnetic control gears,  
shatterproof



---

### AREAS OF APPLICATION

- General illumination within ambient temperatures from -25...+50 °C
- Supermarkets and department stores
- Industry
- Illumination of production areas

---

### PRODUCT BENEFITS

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

---

### PRODUCT FEATURES

- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 60,000 h
- Shatterproof according IEC 61549 AMD 2:2010 -810-1 4.4.1 (Certificate in preparation)
- Compatible with conventional and many common electronic control gears (see also compatibility list) and line voltage
- High color consistency:  $\leq 5$  SDCM



## TECHNICAL DATA

### Electrical data

Rated wattage	15.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz <sup>1)</sup>
Nominal wattage	15.00 W
Nominal current	0.075 A <sup>2)</sup>
Type of current	AC
Max. lamp no. on circuit break. 10 A (B)	68
Max. lamp no. on circuit break. B10 A - CCG without compensation	68
Max. lamp no. on circuit break. B10 A - CCG with compensation	37
Max. lamp no. on circuit break. B16 A - CCG without compensation	103
Max. lamp no. on circuit break. B16 A - CCG with compensation	62
Max. lamp no. on circuit break. 16 A (B)	103
Power factor $\lambda$	> 0.90

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

<sup>2)</sup> 390 mA for ECG (HF)

### Photometrical data

Rated color temperature	4000 K
Nominal luminous flux	2400 lm
Rated luminous flux	2400 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Luminous flux	2400 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



<b>Length with base excl. base pins/connection</b>	1198.00 mm
<b>Tube diameter</b>	26.7 mm
<b>Base diameter</b>	28.0 mm
<b>Product weight</b>	239.00 g
<b>Overall length</b>	1200 mm

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Maximum temperature at tc test point</b>	53 °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
<b>Product remark</b>	When used to replace a T8 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system/Not usable in luminaires with serial lamp connection, i.e. more than one tube at one magnetic ballast (tandem circuitry)

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>	15 kWh/1000h

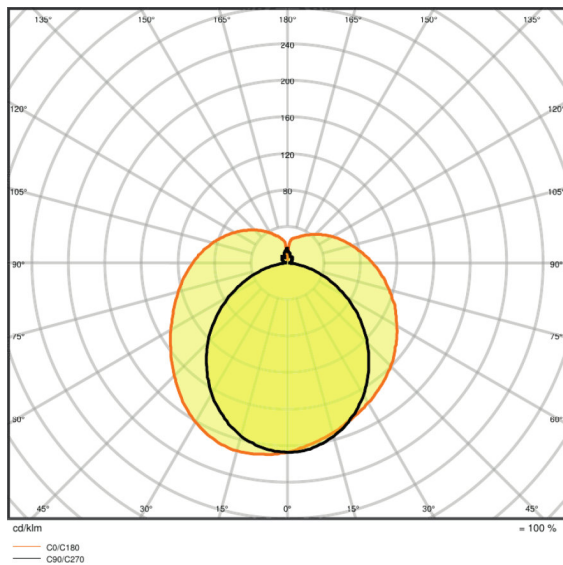
Country-specific categorizations

<b>Order reference</b>	ST8AU-1.2M 15W/
------------------------	-----------------

Logistical data

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

Light Distribution



LDC typ polar

**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
4058075137769	Sleeves 1	1305 mm x 29 mm x 29 mm	268.00 g	1.10 dm <sup>3</sup>
4058075137776	Shipping carton box 10	1352 mm x 210 mm x 115 mm	3369.00 g	32.65 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.