

PRODUCT DATASHEET

ST8AU-UN 15 W/3000K 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: ≤ 5 SDCM



TECHNICAL DATA

Electrical data

Rated wattage	15.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal wattage	15.00 W
Nominal current	0.076 A
Type of current	AC
Max. lamp no. on circuit break. 10 A (B)	53
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)	56
Power factor λ	> 9.00

Photometrical data

Rated color temperature	3000 K
Nominal luminous flux	2200 lm
Rated luminous flux	2200 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Luminous flux	2200 lm
Color rendering index Ra	85
Standard deviation of color matching	≤ 5 sdcM

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	1198.00 mm
Tube diameter	26 mm
Product weight	239.00 g
Overall length	1213 mm

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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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)	G13
Mercury-free	Yes
Product remark	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

Dimmable	No
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Certificates & standards

Type of protection	IP20
Standards	CE
Energy efficiency class	A++
Energy consumption	15 kWh/1000h

Country-specific categorizations

ILCOS	DR-15/830-G13-25.5/1213
Order reference	ST8AU-1.2M 15W/

Logistical data

Temperature range at storage	-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
4058075359123	Sleeves 1	1305 mm x 29 mm x 29 mm	268.00 g	1.10 dm ³
4058075359130	Shipping carton box 10	1352 mm x 210 mm x 115 mm	3369.00 g	32.65 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 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.