

PRODUCT DATASHEET

ST8AU-HF 15.5 W/6500 K 1200 mm

SubstiTUBE Advanced UO HF | LED tubes for electronic high frequency control gears



Areas of application

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

Product benefits

- Quick, simple and safe replacement without rewiring
- Also suitable for operation at low temperatures
- Excellent luminous flux
- No bending thanks to glass technology

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



TECHNICAL DATA

Electrical data

Nominal wattage	15.5 W
Construction wattage	15.50 W
Nominal voltage	220...240 V
Nominal current	250 mA
Type of current	AC
Operating frequency	20...70 kHz
Mains frequency	20...70 kHz
Power factor λ	> 0.90

Photometrical data

Luminous flux	2400 lm
Luminous efficacy	154 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	> 80
Light color	865
Standard deviation of color matching	≤ 4 sdcM

Light technical data

Beam angle	160 °
Warm-up time (60 %)	< 2.00 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	160.00 °

Dimensions & Weight

Overall length	1213.00 mm
Length with base excl. base pins/connection	1198 mm
Diameter	25.50 mm
Tube diameter	27,5 mm
Base diameter	25,5 mm
Maximum diameter	28 mm
Product weight	209.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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Lifespan

Lifespan	60000 h
Number of switching cycles	200000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	> 0.90

Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg
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

Energy efficiency class	A++ ¹⁾
Energy consumption	19.00 kWh/1000h
Type of protection	IP20
Standards	CE

¹⁾ Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

Order reference	ST8AU-1.2M 15,5
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G13
Length	1213.00 mm
Height	25.50 mm

Width	25.50 mm
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Safety advice

- Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.
- Not suitable for operation with low-loss and conventional control gears

DOWNLOAD DATA

Documents and certificates



Declarations Of Conformity CE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075818910	Sleeve 1	1,220 mm x 31 mm x 31 mm	232.00 g	1.17 dm ³
4058075818927	Shipping box 10	1,272 mm x 210 mm x 115 mm	3320.00 g	30.72 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

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