

PRODUCT DATASHEET

ST8AUO-HF 25 W/4000 K 1500 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	25 W
Construction wattage	25.00 W
Nominal voltage	220...240 V
Nominal current	135 mA
Type of current	AC
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Power factor λ	0.91

Photometrical data

Luminous flux	3600 lm
Nominal useful luminous flux 90°	3600 lm
Luminous efficacy	144 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	> 80
Light color	840
Standard deviation of color matching	≤ 4 sdc _m

Light technical data

Beam angle	145 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1513.00 mm
Diameter	27.30 mm
Maximum diameter	28 mm
Product weight	335.00 g

Temperatures & operating conditions

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

Number of switching cycles	200000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	G13
Mercury content	0.0 mg
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	29.00 kWh/1000h
Type of protection	IP20
Standards	CE; VDE

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

Country-specific categorizations

Order reference	ST8AUO-1.5M 25W
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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	1513.00 mm
Height	27.30 mm
Width	27.30 mm

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	
	User instruction
	Installation guide
	Declarations Of Conformity CE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075802902	Sleeve 1	1,616 mm x 29 mm x 29 mm	435.00 g	1.36 dm ³
4058075802919	Shipping box 25	1,637 mm x 166 mm x 182 mm	11090.00 g	49.46 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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