

PRODUCT DATASHEET

ST8A-HF 14 W/4000 K 1200 mm

SubstiTUBE Advanced HF | High performance 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
- 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 50,000 h



TECHNICAL DATA

Electrical data

Nominal wattage	14 W
Construction wattage	14.00 W
Nominal voltage	220...240 V
Nominal current	260 mA
Type of current	AC
Operating frequency	20...70 kHz
Mains frequency	20...70 kHz
Power factor λ	> 0.90

Photometrical data

Luminous flux	2100 lm
Luminous efficacy	150 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 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	25,5 mm
Base diameter	27,5 mm
Maximum diameter	28 mm
Product weight	208.00 g

Temperatures & operating conditions

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

Lifespan	50000 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
Design / version	Frosted

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	A++ ¹⁾
Energy consumption	17.00 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

ILCOS	DR-14/840-G13-25.5/1213
Order reference	ST8A-1.2M 14W/8

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

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
4058075819016	Sleeve 1	1,220 mm x 31 mm x 31 mm	231.00 g	1.17 dm ³
4058075819023	Shipping box 10	1,272 mm x 210 mm x 115 mm	2943.00 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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