

Product datasheet

ST8A-HF 7.5 W/840 600 mm

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



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

- 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

Product benefits

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



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Areas of application

- General illumination within ambient temperatures from -20...+50 °C
- Supermarkets and department stores
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Technical data

Electrical data

Rated wattage	7.50 W
Operating frequency	20...70 kHz
Nominal wattage	7.50 W
Nominal voltage	220...240 V
Nominal current	0.26 A
Claimed equiv. conventional lamp power	18 W

Photometrical data

Standard deviation of color matching	≤ 4 sdc _m
Rated luminous flux	1100 lm
Nominal luminous flux	1100 lm
Rated color temperature	4000 K
Color rendering index Ra	≥ 80
Color temperature	4000 K
Light color (designation)	Cool White
Luminous flux	1100 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Beam angle	160 °
Starting time	< 0.5 s

Dimensions & weight



Product weight	103.50 g
Length	603.0 mm
Outer bulb	T8

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Overall length	603.0 mm
Diameter	25.5 mm

Temperatures & operating conditions

Temperature range at storage	-20...80 °C
Ambient temperature range	-20...+50 °C

Lifespan

Nominal lamp life time	50000 h
Rated lamp life time	50000 h
Lumen maintenance at end of service life	0.70
Number of switching cycles	200000

Additional product data

Appropriate disposal acc. to WEEE	Yes
Mercury content	0.0 mg
Mercury-free	Yes
Base (standard designation)	G13

Capabilities

Dimmable	No
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Certificates & standards

Energy efficiency class	A++
Energy consumption	10 kWh/1000h
Type of protection	IP20

Country specific categorizations

Order reference	ST8A-0.6M 7,5W/
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4058075818972
Declaration No. in SCIP database	In work

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Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075818972	ST8A-HF 7.5 W/840 600 mm	Shipping carton box 10 Pieces Sleeves	662 mm x 210 mm x 115 mm	15.99 dm ³	1585.40 g

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.osram.com/substitute

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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OSRAM GmbH
Marcel-Breuer-Strasse 6
80807 Munich, Germany