ST8AU-UN 16 W/840 1200 mm

SubstiTUBE Universal Advanced | LED tubes for electronic and electromagnetic control gears



Areas of application

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

Product benefits

- Also suitable for operation at low temperatures
- Excellent luminous flux
- Easy installation

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
- Suitable for operation with conventional control gear or line voltage
- Compatible with many common conventional and electronic control gears (see also compatibility list)

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Technical data

Electrical data

Rated wattage	16.00 W
Nominal wattage	16.00 W
Nominal voltage	220…240 V
Nominal current	0.075 A
Type of current	AC
Operating frequency	50…60 Hz
Power factor λ	0.90

Photometrical data

Rated luminous flux	2400 lm
Rated lamp efficacy (standard condition)	150 lm/W
Rated color temperature	4000 K
Color rendering index Ra	≥80
Light color (designation)	Cool White
Standard deviation of color matching	≤4 sdcm
Nominal luminous flux	2400 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Warm-up time (60 %)	0.50 s
Rated beam angle (half peak value)	150.00 °
Starting time	2.0 s

Dimensions & weight

Length with base excl. base pins/connection	1198.00 mm
Tube diameter	27.5 mm
Base diameter	26.5 mm
Product weight	375.00 g
Overall length	1212 mm

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C

Lifespan

Lifespan	50000 h
Nominal lamp life time	50000 h

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Rated lamp life time	50000 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 systemNot usable in luminaires with serial lamp connection, i.e. more than one tube at one magnetic ballast (tandem circuitry)

Capabilities

Dimmable	No

Certificates & standards

Type of protection	IP20
Standards	CEVDE
Energy efficiency class	A++
Energy consumption	18 kWh/1000h

Country specific categorizations

ILCOS	DR-16/840-G13-27.5/1200
Order reference	ST8AU-1.2M 16W/

Logistical data

Temperature range at storage	-20...75 °C

Safety advice

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899956513	ST8AU-UN 16 W/840 1200 mm	Shipping carton box 25 Pieces Sleeves	1335 mm x 166 mm x 182 mm	40.33 dm^3	11858.00 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.

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References / Links

For current information see

- www.osram.com/substitube

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.

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