Product datasheet

ST5HE28-HF 16 W/830 1149 mm HF

SubstiTUBE T5 High Efficiency | LED tubes for electronic high frequency control gears



Areas of application

- Illumination of production areas
- Supermarkets and department stores
- Public buildings, reception areas, offices, corridors, etc.

Product benefits

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

Product features

- Compatible with many common electronic control gears (see also compatibility list)
- Lifetime: up to 60,000 h
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Very high color consistency: ≤ 4 SDCM

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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	0.2 A
Type of current	AC
Operating frequency	50…60 Hz
Power factor λ	> 0.80

Photometrical data

Rated luminous flux	2200 lm
Rated color temperature	3000 K
Color rendering index Ra	≥80
Light color (designation)	Warm White
Standard deviation of color matching	≤4 sdcm
Nominal luminous flux	2200 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

Warm-up time (60 %)	< 2.00 s
Rated beam angle (half peak value)	160.00 °
Starting time	< 1.0 s

Dimensions & weight



Length with base excl. base pins/connection	1135.00 mm
Base diameter	15.0 mm
Product weight	160.00 g

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Overall length	1149 mm

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C

Lifespan

Lifespan	60000 h
Nominal lamp life time	60000 h
Rated lamp life time	60000 h
Number of switching cycles	200000

Additional product data

Base (standard designation)	G5
Mercury-free	Yes

Capabilities

Dimmable	No

Certificates & standards

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

Country specific categorizations

ILCOS	DR-16/830-G5-15/1500
Order reference	ST5HE28-1.2M 16

Logistical data

Temperature range at storage	-20…80 °C

Equipment / Accessories

- Suitable for operation on electronic control gear

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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

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075819931	ST5HE28-HF 16 W/830 1149 mm HF	Shipping carton box 10 Pieces Sleeves	1218 mm x 153 mm x 80 mm	14.91 dm^3	2365.40 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/substitube

Legal advice

When used to replace a T5 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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