Product datasheet

ST5-HE AC 16 W/865 1100 mm

SubstiTUBE T5 HE AC | LED tubes for operation with alternating current at 230 V line voltage



Areas of application

- Supermarkets and department stores
- Industry
- Public buildings, reception areas, offices, corridors, etc.
- General illumination within ambient temperatures from −20...+50 °C

Product benefits

- No bending thanks to glass technology
- Also suitable for operation at low temperatures
- Quick, simple and safe replacement
- Variable use at Direct Current and Alternating Current

Product features

- Lifetime: up to 50,000 h
- Mercury-free and RoHS compliant
- Very high color consistency: ≤ 4 SDCM
- Type of protection: IP20
- Lamp tube made of glass with splinter protection e.g. for food industry applications
- The life of the sleeve is the same as the average lamp life
- Professional LED lamps for line voltage

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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 color temperature	6500 K
Color rendering index Ra	≥80
Light color (designation)	Cool Daylight
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 %)	< 2.00 s
Rated beam angle (half peak value)	160.00 °
Starting time	< 0.5 s

Dimensions & weight



Length with base excl. base pins/connection	1135.00 mm
Tube diameter	15.0 mm
Base diameter	15.0 mm

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Product weight	160.00 g
Overall length	1149 mm

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C

Lifespan

Lifespan	50000 h
Nominal lamp life time	50000 h
Rated lamp life time	50000 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-16/865-G5-15/1500
Order reference	ST5HE28-1.2M 16

Logistical data

Temperature range at storage	-20…80 °C

Safety advice

Not suitable for operation with low-loss and conventional control gears
Not suitable for operation with electronic control gear.
Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

Logistical Data

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Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075060531	ST5-HE AC 16 W/865 1100 mm	Shipping carton box 10 Pieces Sleeves	1218 mm x 153 mm x 80 mm	14.91 dm^3	2463.00 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.

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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