PRODUCT DATASHEET
ST5HE28-AC 16 W/3000 K 1149 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

PRODUCT FEATURES

- Lifetime: up to 50,000 h
- Mercury-free and RoHS compliant
- Very high color consistency: ≤ 4 SDCM
- Type of protection: IP20
- Professional LED lamps for line voltage



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TECHNICAL DATA

Electrical data

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

Photometrical data

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

Light technical data

Starting time	< 0.5 s
Warm-up time (60 %)	< 2.00 s
Rated beam angle (half peak value)	160.00 °

Dimensions & weight



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

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Base diameter	15.0 mm
Product weight	150.00 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 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

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 code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075060494	ST5HE28-AC 16 W/3000 K 1149 mm	Shipping carton box 10	1218 mm x 153 mm x 80 mm	14.91 dm^3	2101.00 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.ledvance.com/substitube

DISCLAIMER

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