

PRODUCT DATASHEET

ST5HE28-AC 16 W/4000 K 1147.80 mm

SubstiTUBE T5 ECO | 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...+45 °C
- For indoor use only

Product benefits

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

Product features

- Mercury-free and RoHS compliant
- Type of protection: IP20
- Professional LED lamps for line voltage



TECHNICAL DATA

Electrical data

Nominal wattage	16 W
Construction wattage	16.00 W
Nominal voltage	220...240 V
Nominal current	115 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous flux	1800 lm
Nominal useful luminous flux 90°	1800 lm
Luminous efficacy	112 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	> 80
Light color	840
Standard deviation of color matching	≤6 sdcn

Light technical data

Beam angle	› 160.00 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1147.80 mm
Diameter	17.80 mm
Product weight	112.62 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
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Lifespan

Number of switching cycles	100000
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Lumen maintenance at end of service lifetime	0.70
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Additional product data

Base (standard designation)	G5
Mercury content	0.0 mg

Capabilities

Dimmable	No
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Certificates & Standards

Type of protection	IP20
Standards	ROHS / EMC
Photobiological safety group acc. to EN62778	RG0



Country-specific categorizations

Order reference	ST528E-1.2M16W/
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G5
Length	1147.80 mm
Height	17.80 mm
Width	17.80 mm

DOWNLOAD DATA

Photometric and lighting design files	Document name
 IES file (IES)	ST528E-1.2M16W 840 230V ACHE G5 OSRAM
 Light distribution curve type polar	ST528E-1.2M16W 840 230V ACHE G5 OSRAM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075757240	Sleeve 1	1,170 mm x 19 mm x 19 mm	128.00 g	0.42 dm ³
4058075757257	Shipping box 25	1,225 mm x 155 mm x 155 mm	4291.00 g	29.43 dm ³

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.

DISCLAIMER

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