PRODUCT DATASHEET
ST5HE28-AC 16 W/4000 K 1163.00 mm

SubstiTUBE T5 220-240V AC | LED tubes for operation on AC mains connection

Areas of application

– Offices, public buildings
– Supermarkets and department stores
– Industry
– General illumination within ambient temperatures from -20…+45 °C

Product benefits

– No bending thanks to glass technology
– Shatter protection thanks to special PET coating
– High luminous flux for sophisticated lighting tasks

Product features

– LED replacement for T5 fluorescent lamps with G5 base on AC mains
– Lamp tube made of glass with splinter protection e.g. for food industry applications
– High color consistency: ≤ 5 sdcm
– Lifetime up to 50,000 h
– Low flicker according to EU 2019/2020
– Type of protection: IP20

TECHNICAL DATA

Electrical data

Nominal wattage	16 W
Construction wattage	16.00 W
Nominal voltage	220…240 V
Nominal current	74 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	> 0.90

Photometrical data

Luminous flux	2400 lm
Luminous efficacy	150 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	≤5 sdcm

Light technical data

Beam angle	190 °
Warm-up time (60 %)	‹ 2.00 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	1163.00 mm
Diameter	19.00 mm
Product weight	160.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+45 °C

Lifespan

Number of switching cycles	50000

Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	G5
Mercury content	0.0 mg

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	A++
Energy consumption	16.00 kWh/1000h
Type of protection	IP20

Country-specific categorizations

Order reference	ST5HE28-1.2M 16

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G5
Length	1163.00 mm
Height	19.00 mm
Width	19.00 mm

Safety advice

– 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.
– The operating temperature range of LED tube is restricted. In case of doubt regarding suitability of the application please measure Tc temperature on the product prior to installation.

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075647862	Sleeve 1	1,165 mm x 20 mm x 24 mm	178.00 g	0.56 dm³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075647879	Shipping box 10	1,218 mm x 153 mm x 80 mm	2198.00 g	14.91 dm³

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.