

# PRODUCT DATASHEET

## ST5HE28-HF 16 W/830 1149 mm HF

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



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### AREAS OF APPLICATION

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

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### PRODUCT BENEFITS

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

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### 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:  $\leq 4$  SDCM



## TECHNICAL DATA

### Electrical data

Nominal wattage	16.00 W
Rated wattage	16.00 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal current	0.2 A
Type of current	AC
Power factor $\lambda$	> 0.80

### Photometrical data

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

### Light technical data

Starting time	< 1.0 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
Base diameter	15.0 mm
Product weight	160.00 g
Overall length	1149 mm

## Temperatures &amp; operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
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## Lifespan

<b>Lifespan</b>	60000 h
<b>Nominal lamp life time</b>	60000 h
<b>Rated lamp life time</b>	60000 h
<b>Number of switching cycles</b>	200000

## Additional product data

<b>Base (standard designation)</b>	G5
<b>Mercury-free</b>	Yes

## Capabilities

<b>Dimmable</b>	No
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## Certificates &amp; standards

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

## Country-specific categorizations

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

## Logistical data

<b>Temperature range at storage</b>	-20...80 °C
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## EQUIPMENT / ACCESSORIES

- Suitable for operation on electronic control gear

## 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	1218 mm x 153 mm x 80 mm	14.91 dm <sup>3</sup>	2201.00 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.

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#### REFERENCES / LINKS

For current information see

▶ [www.ledvance.com/substitute](http://www.ledvance.com/substitute)

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#### 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.

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#### DISCLAIMER

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