

# PRODUCT DATASHEET

## ST8A-HF 20.5 W/830 1500 mm

SubstiTUBE Advanced HF | High performance LED tubes for electronic high frequency control gears



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### AREAS OF APPLICATION

- General illumination within ambient temperatures from -20...+50 °C
- Supermarkets and department stores
- Industry
- Offices, public buildings

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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

- T8 LED tube made of glass with G13 base
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Lifetime: up to 50,000 h



**TECHNICAL DATA**

Electrical data

Nominal wattage	20.50 W
Rated wattage	20.50 W
Nominal voltage	220...240 V
Operating frequency	50...60 Hz
Nominal current	0.39 A
Type of current	AC
Power factor $\lambda$	> 0.90

Photometrical data

Light color (designation)	Warm White
Rated color temperature	3000 K
Nominal luminous flux	2800 lm
Rated luminous flux	2800 lm
Color rendering index Ra	$\geq 80$
Lumen main.fact.at end of nom.life time	0.70
Standard deviation of color matching	$\leq 4$ sdcn

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	1498.00 mm
Tube diameter	27.5 mm
Base diameter	25.5 mm
Product weight	253.00 g

<b>Overall length</b>	1513 mm
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### Temperatures & operating conditions

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

<b>Lifespan</b>	50000 h
<b>Nominal lamp life time</b>	50000 h
<b>Rated lamp life time</b>	50000 h
<b>Number of switching cycles</b>	200000

### Additional product data

<b>Base (standard designation)</b>	G13
<b>Mercury-free</b>	Yes

### Capabilities

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

<b>Type of protection</b>	IP20
<b>Standards</b>	CE
<b>Energy efficiency class</b>	A++
<b>Energy consumption</b>	25 kWh/1000h

### Country specific categorizations

<b>Order reference</b>	ST8A-1.5M 20,5W
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### Logistical data

<b>Temperature range at storage</b>	-20...80 °C
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### 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
4058075819856	ST8A-HF 20.5 W/830 1500 mm	Shipping carton box 10	1572 mm x 210 mm x 115 mm	37.96 dm <sup>3</sup>	3592.00 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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