

# PRODUCT DATASHEET

## ST8A-HF 20.5 W/865 K 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

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

Photometrical data

<b>Rated color temperature</b>	6500 K
<b>Nominal luminous flux</b>	3100 lm
<b>Rated luminous flux</b>	3100 lm
<b>Lumen main.fact.at end of nom.life time</b>	0.70
<b>Light color (designation)</b>	Cool Daylight
<b>Color temperature</b>	6500 K
<b>Luminous flux</b>	3100 lm
<b>Color rendering index Ra</b>	$\geq 80$
<b>Standard deviation of color matching</b>	$\leq 4$ sdc <sub>m</sub>

Light technical data

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

Dimensions & weight



<b>Length with base excl. base pins/connection</b>	1498.00 mm
<b>Tube diameter</b>	25.5 mm

<b>Base diameter</b>	27.5 mm
<b>Product weight</b>	253.00 g
<b>Overall length</b>	1513 mm

#### 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	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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4058075819078	Sleeves 1	1520 mm x 31 mm x 31 mm	282.00 g	1.46 dm <sup>3</sup>
4058075819085	Shipping carton box 10	1572 mm x 210 mm x 115 mm	3592.00 g	37.96 dm <sup>3</sup>

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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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