

## ST8A-HF 18.4 W/840 1200 mm

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



### Areas of application

- General illumination within ambient temperatures from -20...+50 °C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

### Product benefits

- Quick, simple and safe replacement without rewiring
- Instant-on light, therefore ideally suitable in combination with sensor technology
- Maximum resistance to switching loads
- Correct operation even at low temperatures
- Extremely break resistant thanks to aluminum heat sink and polycarbonate cover

### Product features

- Bright, robust and durable
- Uniform illumination
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Integrated ECG with high power factor



## Technical data

### Electrical data

Nominal wattage	18.4 W
Rated wattage	18.40 W
Nominal voltage	63.0 V
Nominal current	0.35 A
Type of current	AC
Power factor $\lambda$	> 0.90

### Photometrical data

Light color (designation)	Cool White
Color temperature	4000 K
Nominal luminous flux	2300 lm
Rated luminous flux	2300 lm
Color rendering index Ra	>80
Standard deviation of color matching	$\leq 4$ sdc <sub>m</sub>

### 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

Overall length	1200 mm
Length	1200 mm
Tube diameter	27.5 mm
Base diameter	25.7 mm
Product weight	232.00 g
Maximum diameter	28.0 mm

### Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Temperature range in operation	-20...50 °C

### Lifespan

Nominal lamp life time	50000 h
Rated lamp life time	50000 h
Lumen main.fact.at end of nom.life time	0.70

## Product datasheet

Number of switching cycles	200000
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### Additional product data

Base (standard designation)	G13
Mercury-free	Yes

### Capabilities

Dimmable	No
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### Certificates & standards

Type of protection	IP20
Standards	CE
Energy efficiency class	A+
Energy consumption	22 kWh/1000h

### Country specific categorizations

ILCOS	DR-18,4/840-G13-26/1200
Order reference	ST8A-1.2M 18,4W

### Logistical data

Temperature range at storage	-20...80 °C
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[www.osram.com/SubstiTUBE-HF](http://www.osram.com/SubstiTUBE-HF)

Others graphics

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899943049	ST8A-HF 18.4 W/840 1200 mm	Shipping carton box 25	1335 mm x 166 mm x 182 mm	40.33 dm <sup>3</sup>	8630.00 g

## Product datasheet

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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### Disclaimer

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