Product datasheet
ST8A-HF 20.5 W/865 1500 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
- Supermarkets and department stores
- Industry
- Offices, public buildings

Product benefits

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

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

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Technical data

Electrical data

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

Photometrical data

Rated luminous flux	3100 lm
Rated color temperature	6500 K
Color rendering index Ra	≥80
Light color (designation)	Cool Daylight
Standard deviation of color matching	≤4 sdcm
Nominal luminous flux	3100 lm
Lumen main.fact.at end of nom.life time	0.70

Light technical data

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

Dimensions & weight



Length with base excl. base pins/connection	1498.00 mm
Tube diameter	27.5 mm
Base diameter	27.8 mm

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Product weight	253.00 g
Overall length	1513 mm

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C

Lifespan

Lifespan	50000 h
Nominal lamp life time	50000 h
Rated lamp life time	50000 h
Number of switching cycles	200000

Additional product data

Base (standard designation)	G13
Mercury-free	Yes

Capabilities

Dimmable	No

Certificates & standards

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

Country specific categorizations

Order reference	ST8A-1.5M 20,5W

Logistical data

Temperature range at storage	-20…80 °C
Commodity code	853950000000

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

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075819078	ST8A-HF 20.5 W/865 1500 mm	Shipping carton box 10 Pieces Sleeves	1518 mm x 153 mm x 80 mm	18.58 dm^3	3362.40 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.

References / Links

For current information see

- www.osram.com/substitube

Disclaimer

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

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