
ST8-HA4 22 W/840 1200 mm

SubstiTUBE Advanced | Tubular LED lamps



Areas of application

- General illumination within ambient temperatures from -25...+50 °C
- Illumination of production areas
- Traffic zones and corridors
- Supermarkets and department stores
- Industry

Product benefits

- Quick, simple and safe replacement without rewiring
- Energy savings of up to 60 % (compared to T8 fluorescent lamp on CCG)
- 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

- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Bright, robust and durable
- Uniform illumination
- Wide beam angle: 130°
- Mercury-free and RoHS compliant
- Type of protection: IP20
- Integrated ECG with high power factor



Product datasheet

Technical data

Electrical data

Nominal wattage	22.0 W
Rated wattage	22.00 W
Nominal voltage	230 V
Operating frequency	50...60 Hz
Nominal current	0.094 A
Power factor λ	> 0.90

Photometrical data

Light color (designation)	Cool White
Color temperature	4000 K
Nominal luminous flux	2500 lm
Rated luminous flux	2500 lm

Light technical data

Beam angle	150 °
Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s
Rated beam angle (half peak value)	150.00 °

Dimensions & weight



Overall length	1213 mm
Length	1213 mm
Tube diameter	27.5 mm
Base diameter	27.5 mm
Product weight	260.00 g
Maximum diameter	28.0 mm

Product datasheet

Temperatures

Ambient temperature range	-20...+45 °C
Temperature range in operation	-20...75 °C
Temperature range at storage	-20...80 °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
Number of switching cycles	200000

Additional product data

Base (standard designation)	G13
Mercury-free	Yes

Capabilities

Dimmable	No
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Certificates & standards

Standards	CE
Energy efficiency class	A+
Energy consumption	27 kWh/1000h

Country specific categorizations

ILCOS	DR-22/840-G13-27.5/1200
Order reference	ST8-HA4-250 22W

Equipment / Accessories

- Suitable for operation with low-loss and conventional control gears

Safety advice

Not suitable for operation with electronic control gear.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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Product datasheet

4052899922143	ST8-HA4 22 W/840 1200 mm	Shipping carton box 25	1335 mm x 191 mm x 207 mm	52.78 dm ³	9990.00 g
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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.

References / Links

For current information see

▶ www.osram.com/substitute

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