

ST8-HB2 9 W/840 600 mm

SubstiTUBE Basic | Tubular LED lamps



Areas of application

- Cooling and storage rooms
- Corridors, stairways, parking garages
- Ideal for simple lighting tasks

Product benefits

- Quick, simple and safe replacement without rewiring
- Low maintenance costs thanks to long lifetime
- Energy savings of up to 65 % (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

Product features

- LED alternative to classic T8 fluorescent lamps in CCG luminaires
- Uniform illumination
- Wide beam angle: 160° x 120°
- Integrated ECG with high power factor
- Mercury-free and RoHS compliant
- Type of protection: IP20



Technical data

Electrical data

Nominal wattage	9 W
Rated wattage	9 W
Nominal voltage	230 V
Operating frequency	50...60 Hz
Nominal current	0.04 A
Type of current	AC
Energy consumption	9 kWh/1000h

Light technical data

Light color as per EN 12464-1	Cool White
Color temperature	4000 K
Nominal luminous flux	900 lm
Rated luminous flux	900 lm
Beam angle	160 °x120 °
Color rendering index Ra	> 80
Lumen main.fact.at end of nom.life time	0.70
Standard deviation of color matching	≤6 sdcn
Nominal beam angle	160.00 °
Rated beam angle	160.00 °

Dimensions & weight



Product line drawing

Overall length	603.0 mm
Length	602.5 mm

Product datasheet

Tube diameter	27.8 mm
Base diameter	27.8 mm
Product weight	110.00 g
Maximum diameter	28.0 mm

Colors & materials

Mercury-free	Yes
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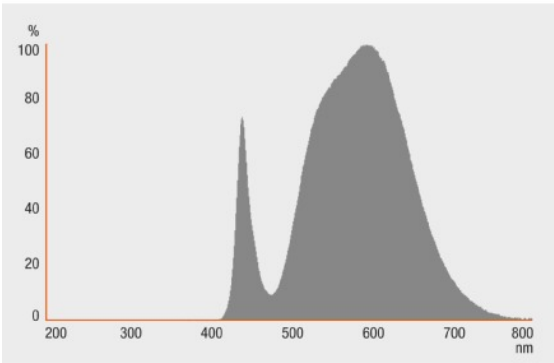
Temperatures

Ambient temperature range	-20...+45 °C
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Lifespan

Nominal lamp life time	40000 h
Rated lamp life time	40000 h
Number of switching cycles	200000

Additional product data



Spectral power distribution

Base (standard designation)	G13
New article	NEW

Capabilities

Product datasheet

Dimmable	No
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Certificates & standards

Standards	CE / acc. to IEC 62471
Energy efficiency class	A+

Country specific categorizations

ILCOS	DR-9/40/1B-G13-26/590
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References / Links

For current information see

▶ www.osram.com/substitute

Disclaimer

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