

## ST8-HB5 22 W/840 1500 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



## Product datasheet

---

### Technical data

---

#### Electrical data

Nominal wattage	22 W
Rated wattage	22 W
Nominal voltage	230 V
Operating frequency	50...60 Hz
Nominal current	0.10 A
Type of current	AC
Energy consumption	22 kWh/1000h

#### Light technical data

Light color as per EN 12464-1	Cool White
Color temperature	4000 K
Nominal luminous flux	2200 lm
Rated luminous flux	2200 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	1513.0 mm
Length	1512.0 mm

## Product datasheet

Tube diameter	27.8 mm
Base diameter	27.8 mm
Product weight	400.00 g
Maximum diameter	28.0 mm

### Colors & materials

Mercury-free	Yes
--------------	-----

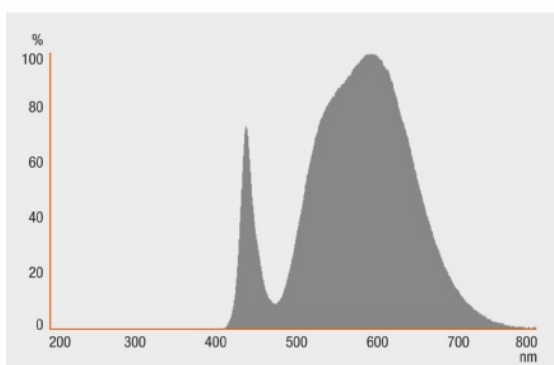
### Temperatures

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

### 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

<b>Dimmable</b>	No
-----------------	----

### Certificates & standards

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

### Country specific categorizations

<b>ILCOS</b>	DR-22/40/1B-G13-26/1500
--------------	-------------------------

## Product datasheet

---

### References / Links

---

For current information see

▶ [www.osram.com/substitute](http://www.osram.com/substitute)

---

### Disclaimer

---

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