

## ST8RB-EM 20 W/865 1200 mm Rotatable EM

SubstiTUBE Basic | LED tubes for electromagnetic control gears



### 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

Rated luminous flux	2100 lm
Nominal wattage	20.0 W
Rated wattage	20.00 W
Nominal voltage	230 V
Operating frequency	50...60 Hz
Type of current	AC
Power factor $\lambda$	> 0.90

### Photometrical data

Light color (designation)	Cool Daylight
Color temperature	6500 K
Nominal luminous flux	2100 lm
Color rendering index Ra	>80
Standard deviation of color matching	≤5 sdcn
Rated useful luminous flux 90°	2100 lm

### Light technical data

Beam angle	160 °
Starting time	< 0.5 s
Warm-up time (60 %)	< 2.00 s
Nominal beam angle	160 °
Rated beam angle (half peak value)	160.00 °

### Dimensions & weight

Overall length	1213 mm
Length	1213 mm
Tube diameter	27.5 mm
Base diameter	27.5 mm
Product weight	165.00 g

### Temperatures

Ambient temperature range	-20...+45 °C
Temperature range in operation	-20...65 °C
Temperature range at storage	-20...80 °C

### Lifespan

## Product datasheet

Nominal lamp life time	40000 h
Rated lamp life time	40000 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
Product remark	In development, data preliminary

### Capabilities

Dimmable	No
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### Certificates & standards

Standards	CE; VDE
Energy efficiency class	A+
Energy consumption	24 kWh/1000h

### Country specific categorizations

Order reference	ST8RB-1.2M 20W/
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### Logistical data

Temperature range at storage	-20...80 °C
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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899937406	ST8RB-EM 20 W/865 1200 mm Rotatable EM	Shipping carton box 25	1335 mm x 166 mm x 182 mm	40.33 dm <sup>3</sup>	6608.00 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/substitute](http://www.osram.com/substitute)

### Disclaimer

## Product datasheet

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