

## ST8RA-EM 8.7 W/865 600 mm Rotatable EM

SubstiTUBE Advanced | LED tubes for electromagnetic control gears



### 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



## Technical data

### Electrical data

Rated luminous flux	1100 lm
Nominal wattage	8.70 W
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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	1100 lm
Color rendering index Ra	>80
Standard deviation of color matching	$\leq 4$ sdc <sub>m</sub>
Rated useful luminous flux 90°	1100 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	603.2 mm
Length	603.2 mm
Tube diameter	27.5 mm
Base diameter	27.5 mm
Product weight	120.00 g

### Temperatures

Ambient temperature range	-20...+50 °C
Temperature range in operation	-20...70 °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	11 kWh/1000h

### Country specific categorizations

Order reference	ST8RA-0.6M 8,7W
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### Logistical data

Temperature range at storage	-20...80 °C
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### 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
4052899937635	ST8RA-EM 8.7 W/865 600 mm Rotatable EM	Shipping carton box 25	726 mm x 166 mm x 182 mm	21.93 dm <sup>3</sup>	4464.00 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.

## Product datasheet

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### References / Links

For current information see

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

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### Disclaimer

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