

## PRODUCT DATASHEET

### LED TUBE T9 C 22 EM 212 mm 11 W 830

LED TUBE® T9 EM | Circular LED tubes for electromagnetic control gear (CCG)



#### Areas of application

- General illumination within ambient temperatures from -20...+45 °C
- Corridors, stairways, parking garages
- Domestic applications
- Decorative applications

#### Product benefits

- Quick, simple and safe replacement without rewiring
- Energy savings of up to 50% (compared to T9 fluorescent lamp on CCG)
- Also suitable for operation at low temperatures

#### Product features

- LED alternative to classic T9 fluorescent lamps in CCG luminaires
- Uniform illumination
- Lifetime up to 15,000 h
- Mercury-free and RoHS compliant



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## TECHNICAL DATA

### Electrical data

Nominal wattage	11 W
Construction wattage	11.00 W
Nominal voltage	220...240 V
Operating mode	CCG, AC Mains
Nominal current	81 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Total harmonic distortion	< 42 %
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous flux	1170 lm
Luminous efficacy	106 lm/W
Light color (designation)	Warm white
Color temperature	3000 K
Color rendering index Ra	> 80
Light color	830
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>

### Light technical data

Beam angle	$\gt 110.00^\circ$
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	212.00 mm
Diameter	212.00 mm
Tube diameter	30 mm
Product weight	166.00 g

### Temperatures & operating conditions

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

Number of switching cycles	10000
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### Additional product data

Base (standard designation)	G10q
Mercury content	0.0 mg
Mercury-free	Yes

### Capabilities

Dimmable	No
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### Certificates & Standards

Type of protection	IP20
Photobiological safety group acc. to EN62778	RG0

### Country-specific categorizations

Order reference	LEDTUBE T9C EM
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### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	G10q
Length	212.00 mm
Height	212.00 mm
Width	212.00 mm

### Safety advice

– Not suitable for operation with electronic control gear.

### DOWNLOAD DATA

Photometric and lighting design files	Document name
 IES file (IES)	LEDTUBE T9C EM 22 3000 G10Q

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854332289	Folding box 1	38 mm x 220 mm x 260 mm	242.00 g	2.17 dm <sup>3</sup>
4099854332296	Shipping box 10	397 mm x 251 mm x 300 mm	2840.00 g	29.89 dm <sup>3</sup>

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.

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### References / Links

– For current information see [www.ledvance.com/osram-led-tube](http://www.ledvance.com/osram-led-tube)

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