

## PRODUCT DATASHEET

### LED TUBE T9 C 40 EM 400 mm 20 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



TECHNICAL DATA

Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220...240 V
Operating mode	CCG, AC Mains
Nominal current	95 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Total harmonic distortion	< 42 %
Power factor $\lambda$	> 0.50

Photometrical data

Luminous flux	2250 lm
Luminous efficacy	112 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	$\geq 110.00^\circ$
Starting time	< 0.5 s

Dimensions & Weight



Overall length	400.00 mm
Diameter	40.00 mm
Tube diameter	30 mm
Product weight	320.00 g

## Temperatures &amp; 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 &amp; 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	400.00 mm
Height	400.00 mm
Width	400.00 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 40 3000 G10Q

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854332401	Folding box 1	38 mm x 408 mm x 446 mm	506.00 g	6.91 dm <sup>3</sup>
4099854332418	Shipping box 10	425 mm x 390 mm x 478 mm	5988.00 g	79.23 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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