

## PRODUCT DATASHEET

### LED TUBE T9 C 22 EM 212 mm 11 W 865

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           | 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                        | 1300 lm                   |
| Luminous efficacy                    | 118 lm/W                  |
| Light color (designation)            | Daylight                  |
| Color temperature                    | 6500 K                    |
| Color rendering index Ra             | > 80                      |
| Light color                          | 865                       |
| 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 | 212.00 mm |
| Diameter       | 212.00 mm |
| Product weight | 166.00 g  |

Temperatures & operating conditions

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

### Lifespan

|                            |       |
|----------------------------|-------|
| Number of switching cycles | 10000 |
|----------------------------|-------|

### Additional product data

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

### Capabilities

|          |    |
|----------|----|
| Dimmable | No |
|----------|----|

### Certificates & Standards

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

### Country-specific categorizations

|                 |                |
|-----------------|----------------|
| Order reference | LEDTUBE T9C EM |
|-----------------|----------------|

### 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 6500 G10Q |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854332326 | Folding box<br>1             | 38 mm x 220 mm x 260 mm              | 242.00 g     | 2.17 dm <sup>3</sup>  |
| 4099854332333 | Shipping box<br>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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