

PRODUCT DATASHEET

ST9-EM 32 123° 20 W/4000K G10q

SubstiTUBE T9 EM | Circular LED tube for electromagnetic control gear and AC mains



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 30,000 h
- Mercury-free and RoHS compliant
- Luminous efficacy: up to 100 lm/W



TECHNICAL DATA

Electrical data

| | |
|------------------------|-------------|
| Rated wattage | 20.00 W |
| Nominal voltage | 220...240 V |
| Operating frequency | 50...60 Hz |
| Nominal wattage | 20.00 W |
| Nominal current | 0.1 A |
| Type of current | AC |
| Power factor λ | > 0.90 |

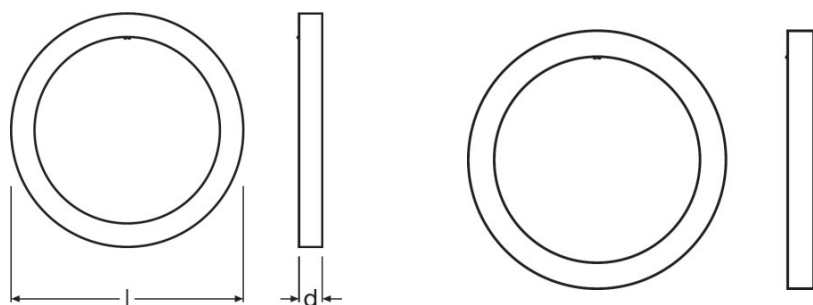
Photometrical data

| | |
|---|------------|
| Rated color temperature | 4000 K |
| Nominal luminous flux | 2000 lm |
| Rated luminous flux | 2000 lm |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Cool White |
| Color temperature | 4000 K |
| Luminous flux | 2000 lm |
| Color rendering index Ra | ≥80 |
| Standard deviation of color matching | ≤6 sdcn |

Light technical data

| | |
|------------------------------------|----------|
| Starting time | < 0.5 s |
| Warm-up time (60 %) | < 0.50 s |
| Rated beam angle (half peak value) | 123.00 ° |

Dimensions & weight



| | |
|----------------|----------|
| Product weight | 217.00 g |
| Overall length | 298.0 mm |

Temperatures & operating conditions

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

Lifespan

| | |
|----------------------------|---------|
| Lifespan | 30000 h |
| Nominal lamp life time | 30000 h |
| Rated lamp life time | 30000 h |
| Number of switching cycles | 200000 |

Additional product data

| | |
|-----------------------------|------|
| Base (standard designation) | G10q |
| Mercury-free | Yes |

Capabilities

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

Certificates & standards

| | |
|-------------------------|--------------|
| Type of protection | IP20 |
| Standards | CE |
| Energy efficiency class | A+ |
| Energy consumption | 20 kWh/1000h |

Country-specific categorizations

| | |
|-----------------|----------------|
| Order reference | ST9-32 20W/840 |
|-----------------|----------------|

Logistical data

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+65 °C |
|------------------------------|--------------|

EQUIPMENT / ACCESSORIES

- Suitable for operation with low-loss and conventional control gears
- Suitable for operation with AC mains

SAFETY ADVICE

Not suitable for operation with electronic control gear.

Operation in outdoor applications in suitable damp-proof luminaires possible according to data sheet and installation instruction.

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|--------------|------------------------------|--------------------------------------|--------------|--------|
|--------------|------------------------------|--------------------------------------|--------------|--------|

| | | | | |
|---------------|---------------------------|--------------------------|-----------|-----------------------|
| 4058075135482 | Folding carton box 1 | 38 mm x 307 mm x 338 mm | 309.00 g | 3.94 dm ³ |
| 4058075135499 | Shipping carton box 10 | 385 mm x 325 mm x 330 mm | 3469.00 g | 41.29 dm ³ |

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.ledvance.com/substitute

LEGAL ADVICE

When used to replace a T9 fluorescent lamp the total energy efficiency and light distribution depends on the design of the lighting system.

DISCLAIMER

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