

PRODUCT DATASHEET

PIN MICRO 10 300 ° 1 W/2700 K G4

LED PIN MICRO 12 V | Small sized low-voltage 12 V LED lamps with retrofit pin base



Areas of application

- Decorative applications
- Atmospheric accent lighting throughout the home
- Outdoor applications only in suitable luminaires

Product benefits

- Extremely small dimensions
- Variable use at Direct Current and Alternating Current
- Good all-around light emission
- Ideal for decorative and free-burning applications
- Long lifetime of up to 15,000 h
- Three year guarantee

Product features

- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4



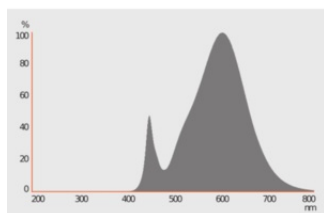
TECHNICAL DATA

Electrical data

| | |
|--|---------|
| Nominal wattage | 1 W |
| Construction wattage | 1.00 W |
| Nominal voltage | 12 V |
| Claimed equiv. conventional lamp power | 10 W |
| Nominal current | 130 mA |
| Type of current | AC/DC |
| Inrush current | 12.3 A |
| Max. lamp no. on circuit break. 10 A (B) | 48 |
| Max. lamp no. on circuit break. 16 A (B) | 61 |
| Total harmonic distortion | < 180 % |

Photometrical data

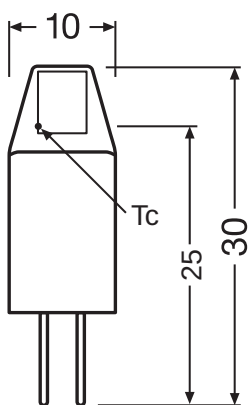
| | |
|---|------------|
| Luminous flux | 100 lm |
| Nominal useful luminous flux 90° | 100 lm |
| Luminous efficacy | 100 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | ≥80 |
| Light color | 827 |
| Standard deviation of color matching | ≤6 sdcM |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |



Light technical data

| | |
|------------------------------------|----------|
| Beam angle | 300 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |
| Rated beam angle (half peak value) | 320.00 ° |

Dimensions & Weight



| | |
|------------------|----------|
| Overall length | 30.00 mm |
| Diameter | 10.00 mm |
| Maximum diameter | 10 mm |
| Product weight | 1.9 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 79 °C |

Lifespan

| | |
|-------------------------------------|---------|
| Nominal lamp life time | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of serv | 0.70 |
| Rated lamp survival factor at 6,000 | ≥ 0.90 |

Additional product data

| | |
|-----------------------------|--------|
| Base (standard designation) | G4 |
| Mercury content | 0.0 mg |
| Design / version | Clear |

Capabilities

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

Certificates & Standards

| | |
|--|-----------------|
| Energy efficiency class | F ¹⁾ |
| Energy consumption | 1.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / EAC |
| Photobiological safety group acc. to EN62778 | RG1 |

¹⁾ Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|----------------|
| Order reference | LEDPINMIC10 CL |
|-----------------|----------------|

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

Energy labelling regulation data acc EU 2019/2015

| | |
|---|--------------|
| Lighting technology used | LED |
| Non-directional or directional | NDLS |
| Mains or non-mains | NMLS |
| Light source cap-type (or other electric interface) | G4 |
| Connected light source (CLS) | No |
| Color-tuneable light source | No |
| Envelope | No |
| High luminance light source | No |
| Anti-glare shield | No |
| Correlated colour temperature type | SINGLE_VALUE |
| Standby power | 0.00 |
| Networked standby power for CLS | 0.0 |
| Claim of equivalent power | Yes |
| Length | 30.00 mm |
| Height | 10.00 mm |

| | |
|--|-----------------|
| Width | 10.00 mm |
| Chromaticity coordinate x | 0.458 |
| Chromaticity coordinate y | 0.410 |
| R9 Colour rendering index | 0.00 |
| Beam angle | SPHERE_360 |
| Survival factor | 0.90 |
| LED light source replaces a fluorescent light source | not applicable |
| EPREL ID | 522870,522870 |
| Model number | AC32112,AC32112 |

Safety advice

- To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075523098 | Folding box 1 | 20 mm x 49 mm x 95 mm | 8.90 g | 0.09 dm ³ |
| 4058075622616 | Shipping box 6 | 109 mm x 79 mm x 104 mm | 82.00 g | 0.90 dm ³ |
| 4058075523104 | Shipping box 10 | 119 mm x 109 mm x 104 mm | 124.00 g | 1.35 dm ³ |
| 4058075523111 | Shipping box 80 | 256 mm x 236 mm x 237 mm | 1380.00 g | 14.32 dm ³ |
| 4058075622623 | Shipping box 48 | 236 mm x 176 mm x 237 mm | 996.00 g | 9.84 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 Guarantee see www.osram-lamps.com/guarantee
- For further products and actual information concerning LED lamps see www.osram-lamps.com/led-lamps

DISCLAIMER

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