

PRODUCT DATASHEET

LED Base PIN 20 320° 1.8W 827 Clear G4

LED BASE PIN G4 12 V | Special LED lamps



Areas of application

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Foyers, offices
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Low energy consumption
- Ideal for decorative and free-burning applications

Product features

- LED alternative to conventional low voltage lamps
- Mercury-free lamps



TECHNICAL DATA**Electrical data**

| | |
|--|-----------|
| Nominal wattage | 1.8 W |
| Construction wattage | 1.80 W |
| Nominal voltage | 12 V |
| Operating mode | 12V AC/DC |
| Claimed equiv. conventional lamp power | 20 W |
| Nominal current | 230 mA |
| Type of current | AC/DC |
| Inrush current | 17.7 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 33 |
| Max. lamp no. on circuit break. 16 A (B) | 42 |
| Total harmonic distortion | < 120 % |
| Power factor λ | > 0.50 |

Photometrical data

| | |
|---|------------|
| Luminous flux | 200 lm |
| Nominal useful luminous flux 90° | 200 lm |
| Luminous efficacy | 111 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 sdcn |
| 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 | 320 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |

Dimensions & Weight

| | |
|------------------|----------|
| Overall length | 36.00 mm |
| Diameter | 14,0 mm |
| Maximum diameter | 13 mm |
| Product weight | 3.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 77 °C |

Lifespan

| | |
|--|---------|
| Lifespan L70/B50 at 25 °C | 10000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.70 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

Additional product data

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

| | |
|----------------|--|
| Product remark | All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value |
|----------------|--|

Capabilities

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

Certificates & Standards

| | |
|--|-----------------|
| Energy efficiency class | F ¹⁾ |
| Energy consumption | 2.00 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

| | |
|-----------------|--------------------------------|
| ILCOS | DRT/C-1,8/827-220-240-G4-14/36 |
| Order reference | LEDBASEPIN20 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 W |
| Claim of equivalent power | Yes |

| | |
|--|-----------------|
| Length | 36.00 mm |
| Height | 14,0 mm |
| Width | 14,0 mm |
| Chromaticity coordinate x | 0.458 |
| Chromaticity coordinate y | 0.410 |
| R9 Colour rendering index | 0.00 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.5 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1403248,522871 |
| Model number | AC32123,AC24747 |

DOWNLOAD DATA

Documents and certificates



Declarations Of Conformity CE

Photometric and lighting design files



Spectral power distribution

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075450011 | Folding box 3 | 20 mm x 49 mm x 95 mm | 16.00 g | 0.09 dm ³ |
| 4058075450028 | Shipping box 30 | 119 mm x 109 mm x 104 mm | 195.00 g | 1.35 dm ³ |
| 4058075450035 | Shipping box 240 | 256 mm x 236 mm x 237 mm | 1948.00 g | 14.32 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 dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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