

PRODUCT DATASHEET

LED PIN 28 320° P 2.2W 827 Clear GY6.35

LED PIN 12V P | Low-voltage 12 V LED lamps with retrofit pin base



PERFOR-
MANCE
CLASS

Areas of application

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

Product benefits

- 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
- Four year guarantee
- Lower energy consumption than incandescent or halogen lamps

Product features

- Compatible with many common conventional and electronic control gears (see also compatibility list)
- LED alternative to low voltage halogen lamps
- Base: G4, GY6.35



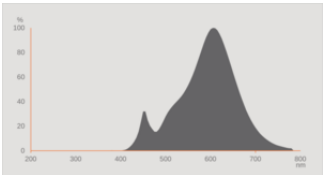
TECHNICAL DATA

Electrical data

| | |
|--|-----------|
| Nominal wattage | 2.2 W |
| Construction wattage | 2.20 W |
| Nominal voltage | 12 V |
| Operating mode | 12V AC/DC |
| Claimed equiv. conventional lamp power | 28 W |
| Nominal current | 280 mA |
| Type of current | AC/DC |
| Inrush current | 17.7 A |
| Max. lamp number on MCB B10 A | 33 |
| Max. lamp number on MCB B16 A | 42 |
| Total harmonic distortion | < 120 % |
| Power factor λ | > 0.50 |

Photometrical data

| | |
|---|------------|
| Luminous flux | 300 lm |
| Nominal useful luminous flux 90° | 300 lm |
| Luminous efficacy | 136 lm/W |
| Lumen main.fact.at end of nom.life time | 0.93 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | 80 |
| Light color | 827 |
| Standard deviation of color matching | ≤6 sdcn |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |



EPREL data spectral diagram PROF
LEDr 2700K

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 | 14.00 mm |
| Maximum diameter | 14 mm |
| Product weight | 5.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 76.2 °C |

Lifespan

| | |
|--|---------|
| Lifespan L70/B50 at 25 °C | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |

Additional product data

| | |
|-----------------------------|--|
| Base (standard designation) | GY6.35 |
| 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 | E ¹⁾ |
| Energy consumption | 3.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / UKCA / 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 | LED PIN28 2.2W |
|-----------------|----------------|

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) | GY6.35 |
| 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 W |
| Claim of equivalent power | Yes |
| Length | 36.00 mm |
| Height | 14.00 mm |
| Width | 14.00 mm |
| Chromaticity coordinate x | 0.458 |
| Chromaticity coordinate y | 0.410 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |

| | |
|--|-------------------------|
| Survival factor | 0.9 |
| Displacement factor | 0.5 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1856553,2365072 |
| Model number | AC58961,AC58961,AC84144 |

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.
- To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

DOWNLOAD DATA

| Documents and certificates | | Document name |
|---|---------------------------------|---|
|  | Declarations of conformity | LED PIN G4 GY6.35 |
|  | Declarations of conformity UKCA | LED PIN G4 GY6.35 |
| Photometric and lighting design files | | Document name |
|  | Spectral power distribution | EPREL data spectral diagram PROF LEDr 2700K |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4099854248665 | Folding box 1 | 28 mm x 28 mm x 67 mm | 10.00 g | 0.05 dm ³ |
| 4099854248672 | Shipping box 20 | 150 mm x 122 mm x 77 mm | 236.00 g | 1.41 dm ³ |
| 4099854248689 | Shipping box 120 | 256 mm x 160 mm x 248 mm | 1551.00 g | 10.16 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.