

PRODUCT DATASHEET

PAR 16 100 24 ° 10 W/2700 K GU10

LED PERFORMANCE PAR16 HIGH BRIGHTNESS | LED reflector lamps PAR16 with retrofit pin base



Areas of application

- Hospitality
- Restaurants
- Residential interiors
- Museums, art galleries

Product benefits

- Attractive lamp appearance
- Easy replacement of halogen lamps due to compact design and single optic design
- Good quality of light
- Creation of the preferred light ambience thanks to dimming
- Very high dimmer compatibility, see also www.ledvance.com/dim
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Reliable operation thanks to brand quality

Product features



- Very good color rendering (CRI: 95, R9: 90, Rg: 100, Rf: 90)
- High color consistency: ≤ 5 sdc_m
- Single optic design
- Input voltage: 220...240 V_{AC}
- Mercury-free lamps
- Lifetime up to 40,000 h
- Dimmable
- Temperature-protected

TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 10 W |
| Construction wattage | 10.00 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 100 W |
| Nominal current | 48 mA |
| Type of current | AC |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Power factor λ | 0.92 |

Photometrical data

| | |
|--------------------------------------|---------------|
| Luminous intensity | 2950 cd |
| Luminous flux | 790 lm |
| Luminous efficacy | 79 lm/W |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | 95 |
| Light color | 927 |
| Standard deviation of color matching | ≤ 5 sdcn |
| Rated peak intensity | 2950 cd |

Light technical data

| | |
|---------------------|------------|
| Beam angle | 24 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |

Dimensions & Weight

| | |
|------------------|----------|
| Overall length | 77.30 mm |
| Diameter | 50.00 mm |
| Maximum diameter | 50 mm |
| Product weight | 105.00 g |

Temperatures & operating conditions

| | |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
|---------------------------|--------------|

Lifespan

| | |
|----------------------------|--------|
| Number of switching cycles | 100000 |
|----------------------------|--------|

Additional product data

| | |
|-----------------------------|--|
| Base (standard designation) | GU10 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| 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 | Yes |
|----------|-----|

Certificates & Standards

| | |
|-------------------------|-----------------|
| Energy efficiency class | G 1) |
| Standards | CB / EMC / RoHS |

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

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LPPAR161102410W |
|-----------------|-----------------|



LOGISTICAL DATA

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

Energy labelling regulation data acc EU 2019/2015

| | |
|---|----------|
| Light source cap-type (or other electric interface) | GU10 |
| Length | 77.30 mm |
| Height | 50.00 mm |
| Width | 50.00 mm |

DOWNLOAD DATA

| Photometric and lighting design files | | Document name |
|--|-------------------------------------|--------------------------------|
|  | IES file (IES) | LPPAR16 24 10W 927 230V GU10HB |
|  | Light distribution curve type polar | LPPAR16 24 10W 927 230V GU10HB |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075415621 | Folding box 1 | 52 mm x 52 mm x 81 mm | 127.00 g | 0.22 dm ³ |
| 4099854262586 | Shipping box 10 | 273 mm x 113 mm x 96 mm | 1378.00 g | 2.96 dm ³ |
| 4058075415638 | Shipping box 10 | 273 mm x 113 mm x 96 mm | 1398.00 g | 2.96 dm ³ |
| 4058075415645 | Shipping box 60 | | | |
| 4099854262593 | Shipping box 60 | 284 mm x 239 mm x 309 mm | 8654.00 g | 20.97 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.

DISCLAIMER

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