

PRODUCT DATASHEET

P PAR 16 80 36 ° 6.9 W/3000 K GU10

PARATHOM® PAR16 | LED reflector lamps PAR16 with retrofit pin base



Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Lower energy consumption than incandescent or halogen lamps

Product features

- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 6 SDCM
- Not dimmable
- Lamp made of glass
- Good quality of light; color rendering index CRI ≥ 80
- Lifetime up to 15,000 h



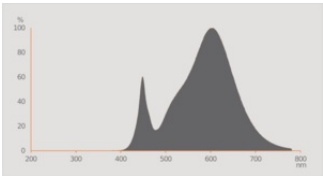
TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 6.9 W |
| Construction wattage | 6.90 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 80 W |
| Nominal current | 51 mA |
| Type of current | AC |
| Inrush current | 5 A |
| Operating frequency | 50...60 Hz |
| Mains frequency | 50...60 Hz |
| Max. lamp number on MCB B10 A | 59 |
| Max. lamp number on MCB B16 A | 97 |
| Power factor λ | > 0.50 |

Photometrical data

| | |
|---|------------|
| Luminous intensity | 900 cd |
| Luminous flux | 575 lm |
| Nominal useful luminous flux 90° | 575 lm |
| Luminous efficacy | 83 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Color temperature | 3000 K |
| Color rendering index Ra | ≥80 |
| Light color | 830 |
| Standard deviation of color matching | ≤6 sdcn |
| Rated peak intensity | 900 cd |
| Rated LLMF at 6,000 h | 0.80 |

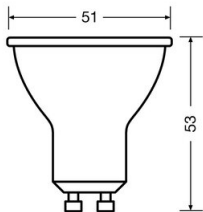


OS S10x18 3000K

Light technical data

| | |
|---------------------|----------|
| Beam angle | 36 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |

Dimensions & Weight



| | |
|------------------|----------|
| Overall length | 55.00 mm |
| Diameter | 51,0 mm |
| Maximum diameter | 51 mm |
| Product weight | 48.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 104 °C |

Lifespan

| | |
|--|--------|
| 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) | 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 | No |
|----------|----|

Certificates & Standards

| | |
|--|------------------|
| Energy efficiency class | A+ ¹⁾ |
| Energy consumption | 7.00 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 E (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|----------------------------------|
| ILCOS | DRPAR-6,9/830-220-240-GU10-50/36 |
| Order reference | LPPAR168036 6,9 |



Energy labelling regulation data acc EU 2019/2015




| | |
|---|----------|
| Light source cap-type (or other electric interface) | GU10 |
| Length | 55.00 mm |
| Height | 51,0 mm |
| Width | 51,0 mm |

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

| Photometric and lighting design files | | Document name |
|--|---------------------|--------------------------------------|
|  | IES file (IES) | AC08032_PAR16 80 non-dim 36° 6,9W GU |
|  | LDT file (Eulumdat) | AC08032_PAR16 6 |

| Photometric and lighting design files | | Document name |
|---|-------------------------------------|--|
|  | Light distribution curve type cone | LPPAR168036 6,9W 830 230V GU10 FS1 OSRAM |
|  | Light distribution curve type polar | LPPAR168036 6,9W 830 230V GU10 FS1 OSRAM |
|  | Spectral power distribution | OS S10x18 3000K |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075586833 | Folding box 1 | 49 mm x 49 mm x 62 mm | 55.00 g | 0.15 dm ³ |
| 4058075586840 | Shipping box 10 | 257 mm x 110 mm x 70 mm | 603.00 g | 1.98 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 further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- 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.