

PRODUCT DATASHEET LED Value PAR16 80 60° 6.9W 830 GU10

LED VALUE 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
- Not dimmable
- Base: GU10
- Lamp made of glass
- Good quality of light; color rendering index CRI ≥ 80





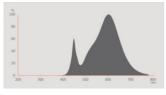
TECHNICAL DATA

Electrical data

| Nominal wattage | 6.9 W |
|--|----------|
| Construction wattage | 6.90 W |
| Nominal voltage | 220240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 80 W |
| Nominal current | 50 mA |
| Type of current | AC |
| Inrush current | 4.84 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 116 |
| Max. lamp number on MCB B16 A | 184 |
| Total harmonic distortion | 150 % |
| Power factor λ | > 0.50 |

Photometrical data

| Luminous intensity | 700 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 | 0.93 |
| Light color (designation) | Warm White |
| Color temperature | 3000 K |
| Color rendering index Ra | 80 |
| Light color | 830 |
| Standard deviation of color matching | ≤6 sdcm |
| Rated peak intensity | 700 cd |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |
| | |



OS S10x18 3000K

Light technical data

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

Dimensions & Weight

| Overall length | 54.00 mm |
|------------------|----------|
| Diameter | 50.00 mm |
| Maximum diameter | 50 mm |
| Product weight | 39.00 g |

Temperatures & operating conditions

| Ambient temperature range | -20+40 °C |
|--------------------------------------|-----------|
| Maximum temperature at tc test point | 97.5 °C |

Lifespan

| Lifespan L70/B50 at 25 °C | 10000 h |
|--|---------|
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |

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 | F 1) | |
| Energy consumption | 7.00 kWh/1000h | |
| Type of protection | IP20 | |
| Standards | CE / UKCA / EAC | |
| Photobiological safety group acc. to EN62778 | RG1 | |
| LOGISTICAL DATA | | |
| LOGISTICAL DATA | | |
| Temperature range at storage | -20+80 °C | |
| Energy labelling regulation data acc EU 2019/2015 | | |
| Lighting technology used | LED | |
| | LED | |
| Non-directional or directional | LED DLS | |
| Non-directional or directional Mains or non-mains | | |
| | DLS | |
| Mains or non-mains | DLS MLS | |
| Mains or non-mains Light source cap-type (or other electric interface) | DLS MLS GU10 | |
| Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source | DLS MLS GU10 No | |
| Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) | DLS MLS GU10 No No | |
| Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope | DLS MLS GU10 No No No | |
| Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source | DLS MLS GU10 No No No No | |
| Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield | DLS MLS GU10 No No No No No No | |
| Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Correlated colour temperature type | DLS MLS GU10 No No No No No SINGLE_VALUE | |

54.00 mm

50.00 mm

Length

Height

| Width | 50.00 mm |
|--|---|
| Chromaticity coordinate x | 0.4338 |
| Chromaticity coordinate y 0.4030 | |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | NARROW_CONE_90 |
| Survival factor | 0.9 |
| Displacement factor | 0.70 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 522982,1368241,1841992 |
| Model number | AC32747,AC45669,AC57946,AC57946,AC57946 |

Safety advice

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

DOWNLOAD DATA

| DOWNLOAD DATA | | | |
|---------------|---------------------------------------|------------------------------|--|
| | Documents and certificates | Document name | |
| POF | Declarations of conformity | LED SPOT PAR16 | |
| POF | Declarations of conformity | LED PA16 | |
| POF | Declarations of conformity UKCA | LED PAR16 | |
| | | | |
| | Photometric and lighting design files | Document name | |
| | IES file (IES) | 1000774 74740 0 0440004 | |
| | 120 110 (120) | AC08574_PAR16 6,9W230V | |
| | IES file (IES) | LED PAR16 80 60 P 3000K GU10 | |
| | | _ | |

Light distribution curve type cone
Light distribution curve type polar

Light distribution curve type polar

LVPAR168060 6,9W 830 230V GU10 FS1 OSRAM

LVPAR168060 6,9W 830 230V GU10 FS1 OSRAM

LED PAR16 80 60 P 3000K GU10

| Photometric and lighting design files | Document name |
|---------------------------------------|-----------------|
| Spectral power distribution | OS S10x18 3000K |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075096769 | Folding box | 52 mm x 52 mm x 60 mm | 46.00 g | 0.16 dm ³ |
| 4058075096776 | Shipping box 10 | 270 mm x 114 mm x 72 mm | 510.00 g | 2.22 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.