

PRODUCT DATASHEET

LED VALUE PAR 16 50 36° 5 W/3000K 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 outdoor luminaires only (minimum IP65)

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

PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- Not dimmable
- Base: GU10
- Lamp made of glass
- Good quality of light; color rendering index $R_a: \geq 80$
- Lifetime: up to 25,000 h



TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Rated wattage | 5.00 W |
| Nominal wattage | 5.00 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 50 W |
| Max. lamp no. on circuit break. 10 A (B) | 303 |
| Max. lamp no. on circuit break. 16 A (B) | 484 |
| Operating frequency | 50...60 Hz |
| Power factor λ | > 0.40 |

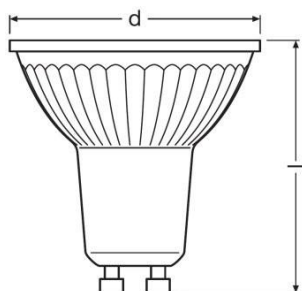
Photometrical data

| | |
|---|---------------------------|
| Nominal luminous flux | 450 lm |
| Rated luminous flux | 450 lm |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm |
| Color temperature | 3000 K |
| Luminous flux | 450 lm |
| Color rendering index Ra | ≥ 80 |
| Standard deviation of color matching | ≤ 6 sdc _m |
| Rated color temperature | 3000 K |
| Color rendering index Ra | ≥ 80 |
| Nominal useful luminous flux 90° | 450 lm |
| Rated useful luminous flux 90° | 450 lm |
| Rated peak intensity | 680 cd |

Light technical data

| | |
|------------------------------------|----------|
| Beam angle | 36 ° |
| Warm-up time (60 %) | < 0.50 s |
| Starting time | < 0.5 s |
| Nominal beam angle | 36 ° |
| Rated beam angle (half peak value) | 36.00 ° |

Dimensions & weight



| | |
|-------------------------|---------|
| Overall length | 55.0 mm |
| Diameter | 51.0 mm |
| Outer bulb | PAR51 |
| Length | 55.0 mm |
| Maximum diameter | 51.0 mm |

Temperatures & operating conditions

| | |
|---|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 87 °C |

Lifespan

| | |
|-----------------------------------|---------|
| Nominal lamp life time | 10000 h |
| Rated lamp life time | 25000 h |
| Number of switching cycles | 100000 |

Additional product data

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

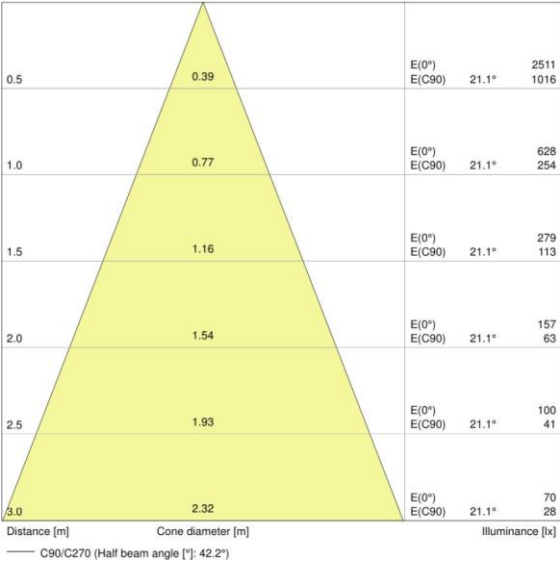
Certificates & standards

| | |
|-------------------------|-------------|
| Energy efficiency class | A++ |
| Energy consumption | 5 kWh/1000h |

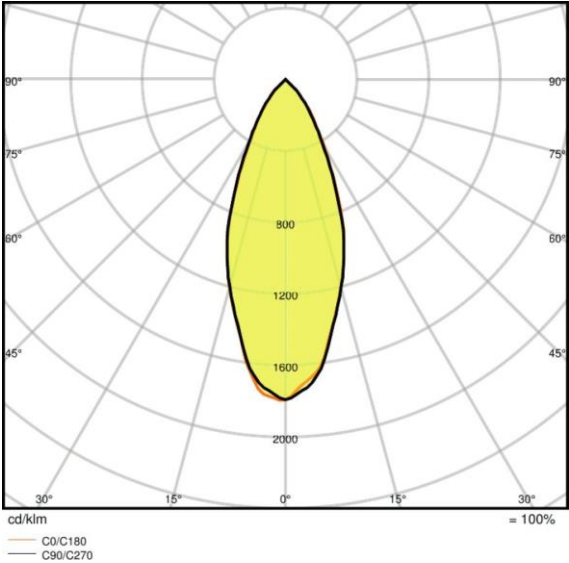
Country-specific categorizations

| | |
|-----------------|---------------|
| Order reference | LVPAR165036 5 |
|-----------------|---------------|

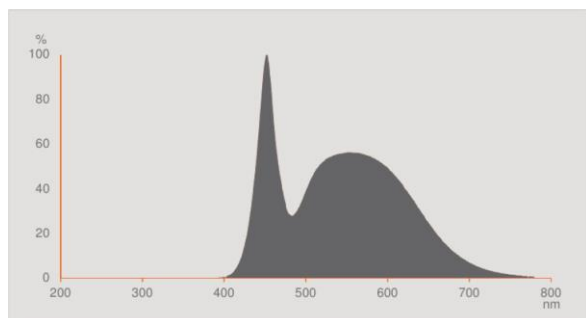
Light Distribution



LDC typ cone



LDC typ polar



Spectral power distribution

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075817715 | Folding carton box 1 | 49 mm x 49 mm x 62 mm | 50.00 g | 0.15 dm ³ |
| 4058075817722 | Shipping carton box 10 | 257 mm x 110 mm x 70 mm | 515.00 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.

DISCLAIMER

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