# PRODUCT DATASHEET
# P PAR 16 50 36 ° 4.3 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

## Product features

- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 6 SDCM
- Not dimmable
- Lamp made of glass

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- Good quality of light; color rendering index $R_a$: ≥ 80
- Lifetime: up to 15,000 h

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## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 4.3 W |
| Construction wattage | 4.30 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 50 W |
| Nominal current | 38 mA |
| Type of current | AC |
| Inrush current | 7 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 41 |
| Max. lamp no. on circuit break. 16 A (B) | 52 |
| Power factor λ | > 0.40 |

### Photometrical data

| | |
|---|---|
| Luminous intensity | 600 cd |
| Luminous flux | 350 lm |
| Nominal useful luminous flux 90° | 350 lm |
| Luminous efficacy | 81 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 sdcm |
| Rated peak intensity | 600 cd |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |

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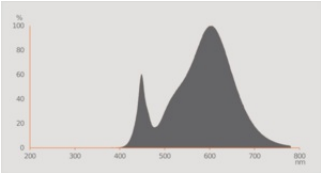

## Light technical data

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

## Dimensions & Weight

| | |
|---|---|
| Overall length | 52.00 mm |
| Diameter | 50.00 mm |
| Maximum diameter | 50 mm |
| Product weight | 37.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 90 °C |

## Lifespan

| | |
|---|---|
| Lifespan | 10000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of serv | 0.70 |
| Rated lamp survival factor at 6,000 | ≥ 0.90 |

## Additional product data

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

## Capabilities

| | |
|---|---|
| Dimmable | No |

## Certificates & Standards


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| | |
|---|---|
| Energy efficiency class | F [1)] |
| Energy consumption | 5.00 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 G (lowest efficiency)

## Country-specific categorizations

| | |
|---|---|
| Order reference | LPPAR165036 4,3 |

## Energy labelling regulation data acc EU 2019/2015

| | |
|---|---|
| Lighting technology used | LED |
| Non-directional or directional | DLS |
| Mains or non-mains | MLS |
| Light source cap-type (or other electric interface) | GU10 |
| 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 |
| Claim of equivalent power | Yes |
| Length | 52.00 mm |
| Height | 50.00 mm |
| Width | 50.00 mm |
| Chromaticity coordinate x | 0.434 |
| Chromaticity coordinate y | 0.403 |
| R9 Colour rendering index | 0.00 |
| Beam angle correspondence | NARROW_CONE_90 |
| Survival factor | 0.90 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 522946 |
| Model number | AC32704 |

## DOWNLOAD DATA

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| | DOWNLOAD DATA |
|---|---|
| PDF | Declarations of conformity |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075608092 | Folding box<br>5 | 52 mm x 186 mm x 57 mm | 242.00 g | 0.55 $dm^3$ |
| 4058075608108 | Shipping box<br>50 | 382 mm x 268 mm x 72 mm | 2579.00 g | 7.37 $dm^3$ |

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

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