# PRODUCT DATASHEET
# LED PAR16 80 60° P 6.9W 830 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

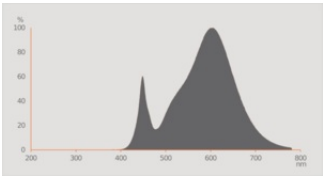
## TECHNICAL DATA

### 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 | 40 mA |
| Type of current | AC |
| Inrush current | 9 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 141 |
| Max. lamp number on MCB B16 A | 225 |
| Power factor λ | 0.70 |

### Photometrical data

| | |
|---|---|
| Luminous intensity | 600 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 sdcm |
| Rated peak intensity | 600 cd |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 0.1 |
| Stroboscope effect metric (SVM) | 0.1 |



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 | 52.00 mm |
| Diameter | 50.00 mm |
| Maximum diameter | 50 mm |
| Product weight | 37.5 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+40 °C |
| Maximum temperature at tc test point | 93 °C |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 15000 h |
| 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 |

## Capabilities

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

## Certificates & Standards

| | |
|---|---|
| Energy efficiency class | F [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 G (lowest efficiency)

## Country-specific categorizations

| | |
|---|---|
| Order reference | LPPAR168060 6,9 |

## 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 | 0.430 |
| Chromaticity coordinate y | 0.393 |
| 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 |

## Safety advice

– Do not touch the lamp if broken.

– Must not be used if outer bulb is defective.

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations of conformity | LED lamp PAR16 50 100 |

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

## 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.