

PRODUCT DATASHEET

LED ECO PAR16 36 ° 4 W/4000 K GU10

LED ECO PAR16 | LED reflector lamps PAR16 with retrofit pin base



Areas of application

- Hospitality
- Restaurants
- Residential interiors

Product benefits

- Uniform illumination thanks to TIR-reflector and fly eye single optic design
- Clear cast shadows for brilliant accent light
- Energy savings of up to 93 % (compared to halogen lamps)
- High color homogeneity
- Easy replacement of halogen lamps thanks to compact design
- Quick and simple LED conversion without modification of the existing installation
- No UV and near-IR radiation in the light beam
- Reliable operation thanks to brand quality

Product features

- High-quality LED replacement for halogen reflector lamps
- High color consistency: < 6 SDCM
- Mercury-free lamps



TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 4 W |
| Construction wattage | 4.00 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 50 W |
| Nominal current | 42 mA |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Power factor λ | > 0.50 |

Photometrical data

| | |
|--------------------------------------|---------------------------|
| Luminous intensity | 700 cd |
| Luminous flux | 350 lm |
| Luminous efficacy | 87 lm/W |
| Light color (designation) | Cool White |
| Color temperature | 4000 K |
| Color rendering index Ra | 80 |
| Light color | 840 |
| Standard deviation of color matching | ≤ 6 sdc _m |
| Rated peak intensity | 700 cd |

Light technical data

| | |
|---------------------|----------|
| Beam angle | 36 ° |
| 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 | 19.00 g |

Temperatures & operating conditions

| | |
|---------------------------|--------------|
| Ambient temperature range | -20...+45 °C |
|---------------------------|--------------|

Lifespan

| | |
|----------------------------|--------|
| Number of switching cycles | 100000 |
|----------------------------|--------|

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) |
|-------------------------|------|

1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LPAR1650 5W/840 |
|-----------------|-----------------|


LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

Energy labelling regulation data acc EU 2019/2015

| | |
|---|----------|
| Light source cap-type (or other electric interface) | GU10 |
| Length | 54.00 mm |
| Height | 50.00 mm |
| Width | 50.00 mm |
| Displacement factor | >0.7 |

DOWNLOAD DATA

| Photometric and lighting design files | Document name |
|---|-----------------------|
|  IES file (IES) | LED ECO PAR16 50 GU10 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075204577 | Folding box 1 | 49 mm x 49 mm x 62 mm | 37.00 g | 0.15 dm ³ |
| 4058075204584 | Shipping box 10 | 255 mm x 107 mm x 72 mm | 420.00 g | 1.96 dm ³ |
| 4099854265952 | Shipping box 10 | 255 mm x 107 mm x 72 mm | 393.00 g | 1.96 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.