

## PRODUCT DATASHEET

### LED ECO PAR16 120 ° 4.5 W/4000 K GU10

LED Eco PAR16 120° | 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 90 % (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:  $\leq 5$  sdcm
- Mercury-free lamps
- Lifetime up to 15,000 h



TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 4.5 W       |
| Construction wattage                   | 4.50 W      |
| Nominal voltage                        | 220...240 V |
| Operating mode                         | AC          |
| Claimed equiv. conventional lamp power | 50 W        |
| Nominal current                        | 49 mA       |
| Type of current                        | AC          |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50/60 Hz    |

Photometrical data

|                           |            |
|---------------------------|------------|
| Luminous intensity        | 210 cd     |
| Luminous flux             | 460 lm     |
| Luminous efficacy         | 102 lm/W   |
| Light color (designation) | Cool White |
| Color temperature         | 4000 K     |
| Color rendering index Ra  | 80         |
| Light color               | 840        |

Light technical data

|            |       |
|------------|-------|
| Beam angle | 120 ° |
|------------|-------|

Dimensions & Weight

|                |          |
|----------------|----------|
| Overall length | 54.00 mm |
| Diameter       | 50.00 mm |
| Product weight | 20.00 g  |

Temperatures & operating conditions

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

Lifespan

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

Additional product data

|                             |      |
|-----------------------------|------|
| Base (standard designation) | GU10 |
|-----------------------------|------|

|                  |         |
|------------------|---------|
| Mercury-free     | Yes     |
| Design / version | Frosted |

### Capabilities

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

### Certificates & Standards

|                    |      |
|--------------------|------|
| Type of protection | IP20 |
|--------------------|------|

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LEPR16501204,5W |
|-----------------|-----------------|

### 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 |
| R9 Colour rendering index                           | 80       |
| Displacement factor                                 | >0.7     |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854515958 | Folding box<br>1             | 53 mm x 53 mm x 62 mm                | 31.00 g      | 0.17 dm <sup>3</sup> |
| 4099854515965 | Shipping box<br>10           | 274 mm x 114 mm x 73 mm              | 790.00 g     | 2.28 dm <sup>3</sup> |

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.