

## PRODUCT DATASHEET

### LED VALUE PAR 16 50 36 ° 4.5 W/2700 K GU10

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



#### Areas of application

- Hospitality
- Restaurants
- Residential interiors
- Museums, art galleries

#### Product benefits

- Attractive lamp appearance
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Clear cast shadows for brilliant accent light
- Uniform illumination thanks to TIR-reflector and fly eye single optic design
- Energy savings of up to 91 % (compared to halogen lamps)
- High color consistency thanks to narrow binning
- No UV and near-IR radiation in the light beam
- Reliable operation thanks to brand quality

#### Product features

- Lamp made of glass
- High color consistency: < 6 SDCM
- Input voltage: 220...240 V<sub>AC</sub>



- Lifetime up to 15,000 h
- Not dimmable
- Mercury-free lamps

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## TECHNICAL DATA

### Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 4.5 W       |
| Construction wattage                   | 4.50 W      |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 50 W        |
| Nominal current                        | 41 mA       |
| Type of current                        | AC          |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50/60 Hz    |
| Power factor $\lambda$                 | 0.50        |

### Photometrical data

|                                      |                           |
|--------------------------------------|---------------------------|
| Luminous intensity                   | 800 cd                    |
| Luminous flux                        | 440 lm                    |
| Luminous efficacy                    | 97 lm/W                   |
| Light color (designation)            | Warm White                |
| Color temperature                    | 2700 K                    |
| Color rendering index Ra             | 80                        |
| Light color                          | 827                       |
| Standard deviation of color matching | $\leq 6$ sdc <sub>m</sub> |
| Rated peak intensity                 | 800 cd                    |

### Light technical data

|                     |               |
|---------------------|---------------|
| Beam angle          | 36 °          |
| Warm-up time (60 %) | $\leq 0.50$ s |
| Starting time       | $< 0.5$ s     |

### Dimensions & Weight

|                  |          |
|------------------|----------|
| Overall length   | 52.00 mm |
| Diameter         | 50.00 mm |
| Maximum diameter | 50 mm    |
| Product weight   | 39.5 g   |

### Temperatures & operating conditions

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °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 | G 1)            |
| Type of protection      | IP20            |
| Standards               | CB / EMC / RoHS |

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

Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LVPAR165036 4,5 |
|-----------------|-----------------|

Energy labelling regulation data acc EU 2019/2015

|                                                     |          |
|-----------------------------------------------------|----------|
| Light source cap-type (or other electric interface) | GU10     |
| Length                                              | 52.00 mm |
| Height                                              | 50.00 mm |
| Width                                               | 50.00 mm |
| EPREL ID                                            | 2412908  |
| Model number                                        | AC58491  |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume   |
|---------------|------------------------------|--------------------------------------|--------------|----------|
| 4058075588356 | Folding box<br>1             | 49 mm x 49 mm x 62 mm                | 46.50 g      | 0.15 dm³ |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075588363 | Shipping box<br>10           | 255 mm x 107 mm x 72 mm              | 533.00 g     | 1.96 dm <sup>3</sup> |
| 4099854263040 | Shipping box<br>10           | 255 mm x 107 mm x 72 mm              | 518.00 g     | 1.96 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.