

## PRODUCT DATASHEET

### VALUE PAR 16 35 120 ° 4.5 W/6500 K GU10

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



#### Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in outdoor luminaires only (minimum IP65)

#### 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
- Not dimmable
- Base: GU10
- Good quality of light; color rendering index CRI  $\geq 80$
- Lamp made of plastic



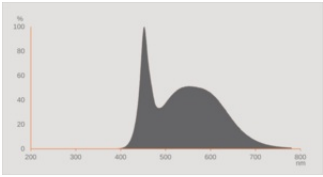
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**TECHNICAL DATA****Electrical data**

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 4.5 W       |
| Construction wattage                   | 4.50 W      |
| Nominal voltage                        | 220...240 V |
| Claimed equiv. conventional lamp power | 35 W        |
| Nominal current                        | 49 mA       |
| Type of current                        | AC          |
| Inrush current                         | 12 A        |
| Operating frequency                    | 50...60 Hz  |
| Mains frequency                        | 50...60 Hz  |
| Max. lamp number on MCB B10 A          | 170         |
| Max. lamp number on MCB B16 A          | 280         |
| Power factor $\lambda$                 | > 0.50      |

**Photometrical data**

|                                         |               |
|-----------------------------------------|---------------|
| Luminous intensity                      | 130 cd        |
| Luminous flux                           | 350 lm        |
| Nominal useful luminous flux 90°        | 350 lm        |
| Luminous efficacy                       | 77 lm/W       |
| Lumen main.fact.at end of nom.life time | 0.70          |
| Light color (designation)               | Cool Daylight |
| Color temperature                       | 6500 K        |
| Color rendering index Ra                | ≥80           |
| Light color                             | 865           |
| Standard deviation of color matching    | ≤6 sdcn       |
| Rated peak intensity                    | 130 cd        |
| Flickering metric (Pst LM)              | 1             |
| Stroboscope effect metric (SVM)         | 0.9           |

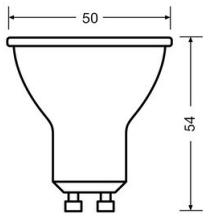


LISO spectral power distribution  
6500K CRI80 v1

Light technical data

|                     |          |
|---------------------|----------|
| Beam angle          | 120 °    |
| 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   | 42.00 g  |

Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 82 °C        |

Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 15000 h |
| Number of switching cycles                   | 100000  |
| Lumen maintenance at end of service lifetime | 0.70    |

## 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 &amp; Standards

|                                              |                |
|----------------------------------------------|----------------|
| 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 E (lowest efficiency)

## Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LVPAR16501204,5 |
|-----------------|-----------------|

## 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 |
| Standby power                                       | 0.00 W       |
| Networked standby power for CLS                     | 0.00 W       |
| Claim of equivalent power                           | Yes          |

|                                                      |                         |
|------------------------------------------------------|-------------------------|
| Length                                               | 54.00 mm                |
| Height                                               | 50.00 mm                |
| Width                                                | 50.00 mm                |
| Chromaticity coordinate x                            | 0.3123                  |
| Chromaticity coordinate y                            | 0.3282                  |
| R9 Colour rendering index                            | >0                      |
| Beam angle correspondence                            | WIDE_CONE_120           |
| Survival factor                                      | 0.9                     |
| Displacement factor                                  | >0.5                    |
| LED light source replaces a fluorescent light source | No                      |
| EPREL ID                                             | 686620,2008236,2492113  |
| Model number                                         | AC32043,AC62657,AC90818 |

## DOWNLOAD DATA

| Photometric and lighting design files                                             |                             | Document name                                   |
|-----------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|
|  | Spectral power distribution | LISO spectral power distribution 6500K CRI80 v1 |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075198739 | Folding box<br>1             | 52 mm x 52 mm x 60 mm                | 55.00 g      | 0.16 dm <sup>3</sup>  |
| 4058075198746 | Shipping box<br>10           | 270 mm x 114 mm x 72 mm              | 623.00 g     | 2.22 dm <sup>3</sup>  |
| 4058075198753 | Shipping box<br>80           | 440 mm x 275 mm x 160 mm             | 5546.00 g    | 19.36 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.