

# PRODUCT DATASHEET

## LED ECO PAR16 36 ° 5 W/6500 K GU10

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



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### Areas of application

- Hospitality
- Restaurants
- Residential interiors

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### 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

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### Product features

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



TECHNICAL DATA

Electrical data

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 5 W         |
| Construction wattage                   | 5.00 W      |
| Nominal voltage                        | 220...240 V |
| Operating mode                         | AC          |
| Claimed equiv. conventional lamp power | 50 W        |
| Nominal current                        | 35 mA       |
| Type of current                        | AC          |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50...60 Hz  |
| Power factor $\lambda$                 | > 0.50      |

Photometrical data

|                                      |                     |
|--------------------------------------|---------------------|
| Luminous intensity                   | 700 cd              |
| Luminous flux                        | 450 lm              |
| Luminous efficacy                    | 90 lm/W             |
| Light color (designation)            | Cool Daylight       |
| Color temperature                    | 6500 K              |
| Color rendering index Ra             | > 80                |
| Light color                          | 865                 |
| Standard deviation of color matching | ≤6 sdc <sub>m</sub> |
| 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 |
| Maximum temperature at tc test point | ≤74.5 °C     |

### Lifespan

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

### Additional product data

|                             |        |
|-----------------------------|--------|
| Base (standard designation) | GU10   |
| Mercury content             | 0.0 mg |
| Mercury-free                | Yes    |

### Capabilities

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

### Certificates & Standards

|                         |          |
|-------------------------|----------|
| Energy efficiency class | F        |
| Type of protection      | IP20     |
| Standards               | CB / EMC |

### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LEPAR165036 5W/ |
|-----------------|-----------------|

### 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             |
|-----------------------------------------------------------------------------------|-------------------------------------|---------------------------|
|  | LDT file (Eulumdat)                 | M3 APM LED ECO PAR1650 G6 |
|  | Light distribution curve type polar | M3 APM LED ECO PAR1650 G6 |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume   |
|---------------|------------------------------|--------------------------------------|--------------|----------|
| 4099854287831 | Folding box<br>1             | 49 mm x 49 mm x 62 mm                | 26.00 g      | 0.15 dm³ |
| 4099854287848 | Shipping box<br>10           | 255 mm x 107 mm x 72 mm              | 313.00 g     | 1.96 dm³ |

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.