

## PARATHOM PAR16 20 36° 2 W/827 GU10

PARATHOM PAR16 | LED reflector lamps PAR16 with retrofit pin base



### Areas of application

- Spotlighting for accents
- Display cabinets and shop windows
- Retail outlets and exhibition rooms
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor use in outdoor luminaires only (minimum IP65)
- Directional light sources
- Hospitality
- Shops

### Product benefits

- Excellent price/performance ratio
- Very low energy consumption
- Extremely long life
- Robust against vibrations
- No UV and near-IR radiation in the light beam
- Professional thermal management
- Efficient generation of white light

### Product features

- Professional LED lamps for line voltage
- Not dimmable
- Color temperature: 2,700 K
- Good color rendering ( $R_a \geq 80$ ) and color stability throughout the life of the lamp
- Base: GU10
- Lifetime: up to 15,000 h
- Mercury-free lamps
- High color consistency



## Technical data

### Electrical data

|                                        |            |
|----------------------------------------|------------|
| Rated wattage                          | 2.50 W     |
| Nominal wattage                        | 2.50 W     |
| Nominal voltage                        | 100 V      |
| Claimed equiv. conventional lamp power | 20 W       |
| Operating frequency                    | 50...60 Hz |
| Power factor $\lambda$                 | 0.41       |

### Photometrical data

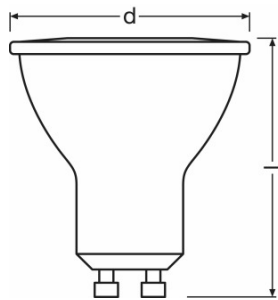
|                                         |               |
|-----------------------------------------|---------------|
| Luminous intensity                      | 350 cd        |
| Nominal luminous flux                   | 135 lm        |
| Rated luminous flux                     | 135 lm        |
| Color temperature                       | 2700 K        |
| Color rendering index Ra                | 80            |
| Lumen main.fact.at end of nom.life time | 0.70          |
| Light color as per EN 12464-1           | Warm White    |
| Standard deviation of color matching    | $\leq 6$ sdcn |
| Nominal useful luminous flux 90°        | 130 lm        |
| Rated useful luminous flux 90°          | 130 lm        |
| Rated peak intensity                    | 350 cd        |

### Light technical data

|                                    |          |
|------------------------------------|----------|
| Beam angle                         | 36 °     |
| Warm-up time (60 %)                | < 1.00 s |
| Starting time                      | < 0.5 s  |
| Nominal beam angle                 | 36.00 °  |
| Rated beam angle (half peak value) | 36.00 °  |

### Dimensions & weight

Product datasheet



|                  |         |
|------------------|---------|
| Overall length   | 53.0 mm |
| Diameter         | 50.0 mm |
| Outer bulb       | PAR51   |
| Length           | 53.0 mm |
| Maximum diameter | 50.0 mm |

Lifespan

|                            |         |
|----------------------------|---------|
| Nominal lamp life time     | 15000 h |
| Rated lamp life time       | 15000 h |
| Number of switching cycles | 100000  |

Additional product data

|                                   |                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Base (standard designation)       | GU10                                                                                                                                                                                                                                                                                                                                       |
| Lamp mercury content              | 0.0 mg                                                                                                                                                                                                                                                                                                                                     |
| Mercury-free                      | Yes                                                                                                                                                                                                                                                                                                                                        |
| Appropriate disposal acc. to WEEE | Yes                                                                                                                                                                                                                                                                                                                                        |
| Footnote only for product         | 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

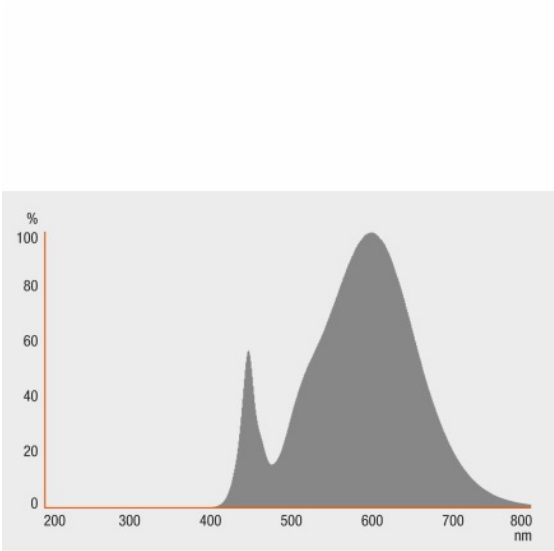
|                         |             |
|-------------------------|-------------|
| Energy efficiency class | A+          |
| Energy consumption      | 3 kWh/1000h |

Country specific categorizations

Product datasheet

|                 |                              |
|-----------------|------------------------------|
| ILCOS           | DRPAR-2,5-100-240-GU10-50/36 |
| Order reference | PPAR1620 2,5W/8              |

Light Distribution



Spectral power distribution



Guarantee

Logistical Data

| Product code  | Product description                      | Packaging unit<br>(Pieces/Unit) | Dimensions (height x<br>width x length) | Volume               | Gross weight |
|---------------|------------------------------------------|---------------------------------|-----------------------------------------|----------------------|--------------|
| 4052899910461 | PARATHOM PAR16<br>20 36° 2 W/827<br>GU10 | Shipping carton box<br>10       | 78 mm x 116 mm x<br>275 mm              | 2.49 dm <sup>3</sup> | 767.00 g     |

## Product datasheet

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.

---

### References / Links

For further products and actual information concerning LED lamps see

▶ [www.osram.com/ledlamps](http://www.osram.com/ledlamps)

For Guarantee see

▶ [www.osram.com/guarantee](http://www.osram.com/guarantee)

---

### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.