

## PARATHOM PRO PAR16 50 36° ADV 6.8 W/940 GU10

PARATHOM PRO PAR16 advanced | Dimmable LED reflector lamps PAR16 with retrofit pin base



### Areas of application

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

### Product benefits

- Ideal for economical spot lighting
- Alternative to line-voltage halogen lamps
- Very low energy consumption
- Extremely long life
- No UV and near-IR radiation in the light beam
- Robust against vibrations
- Efficient generation of white light

### Product features

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also [www.osram.com/dim](http://www.osram.com/dim))
- High color consistency; SDCM: < 4 (PARATHOM PRO)
- Base: GU10
- Mercury-free lamps
- Lifetime: up to 50,000 h



## Technical data

### Electrical data

|  |           |
|--|-----------|
| Rated wattage                          | 6.80 W    |
| Nominal wattage                        | 6.80 W    |
| Nominal voltage                        | 230 V     |
| Claimed equiv. conventional lamp power | 50 W      |
| Rated luminous flux                    | 350 lm    |
| Operating frequency                    | 50..60 Hz |
| Power factor $\lambda$                 | > 0.75    |

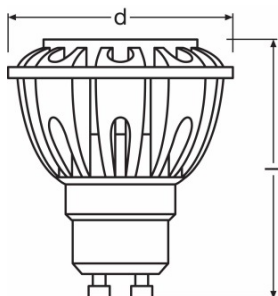
### Photometrical data

|                                      |                           |
|--------------------------------------|---------------------------|
| Luminous intensity                   | 900 cd                    |
| Nominal luminous flux                | 350 lm                    |
| Color temperature                    | 4000 K                    |
| Color rendering index Ra             | 90                        |
| Light color as per EN 12464-1        | Cool White                |
| Standard deviation of color matching | $\leq 4$ sdc <sub>m</sub> |
| Nominal useful luminous flux 90°     | 350 lm                    |
| Rated useful luminous flux 90°       | 350 lm                    |
| Rated peak intensity                 | 900 cd                    |

### Light technical data

|                                    |          |
|------------------------------------|----------|
| Beam angle                         | 36.00 °  |
| Warm-up time (60 %)                | < 1.00 s |
| Starting time                      | < 0.3 s  |
| Nominal beam angle                 | 36.00 °  |
| Rated beam angle (half peak value) | 36.00 °  |

## Dimensions & weight



|                         |         |
|-------------------------|---------|
| <b>Overall length</b>   | 58.0 mm |
| <b>Diameter</b>         | 50.0 mm |
| <b>Outer bulb</b>       | PAR51   |
| <b>Length</b>           | 58.0 mm |
| <b>Maximum diameter</b> | 50.0 mm |

## Lifespan

|  |         |
|--|---------|
| <b>Nominal lamp life time</b>                  | 30000 h |
| <b>Rated lamp life time</b>                    | 30000 h |
| <b>Number of switching cycles</b>              | 1000000 |
| <b>Lumen main.fact.at end of nom.life time</b> | 0.70    |

## Additional product data

|  |  |
|--|--|
| <b>Base (standard designation)</b>       | GU10   |
| <b>Lamp mercury content</b>              | 0.0 mg   |
| <b>Mercury-free</b>                      | Yes  |
| <b>Appropriate disposal acc. to WEEE</b> | Yes  |
| <b>Product remark</b>                    | 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/LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance) |

# Product datasheet

## Capabilities

|                 |                   |
|-----------------|-------------------|
| <b>Dimmable</b> | Yes <sup>1)</sup> |
|-----------------|-------------------|

<sup>1)</sup> With many common dimmers

## Certificates & standards

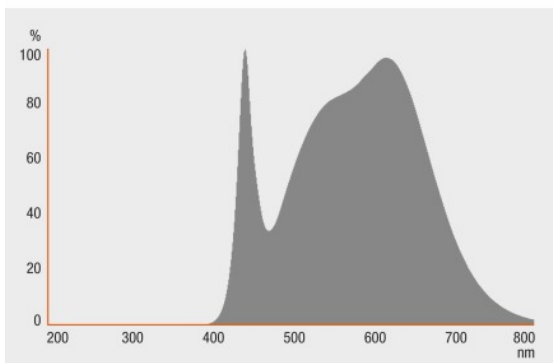
|                                |             |
|--------------------------------|-------------|
| <b>Energy efficiency class</b> | A           |
| <b>Energy consumption</b>      | 7 kWh/1000h |

## Country specific categorizations

|                        |                        |
|------------------------|------------------------|
| <b>ILCOS</b>           | DRPAR-7-230-GU10-50/36 |
| <b>Order reference</b> | PPPAR165036 6,8        |

## Light Distribution

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## Spectral power distribution

## Product datasheet



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Guarantee

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### Logistical Data

| Product code  | Product description                                | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|--|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899901438 | PARATHOM PRO<br>PAR16 50 36° ADV<br>6.8 W/940 GU10 | Shipping carton box<br>10    | 275 mm x 116 mm x<br>78 mm           | 2.49 dm <sup>3</sup> | 962.00 g     |

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.

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### References / Links

For dimming conformity see

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

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)

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### Disclaimer

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