Product datasheet
P MR16 35 36° DIM 5 W/840 GU5.3
PARATHOM MR16 DIM | Professional LED reflector lamps

- Very long lifetime of up to 25,000 h
- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Ideal for economical spotlighting

- Product features
  - Professional LED alternative to low voltage halogen lamps
  - Good quality of light; color rendering index Ra: ≥ 80
  - High color consistency: ≤ 5 SDCM
  - Dimmable (with many common dimmers, see also 'www.ledvance.com/dim')
  - Made in Germany (versions up to 35 W)
  - Mercury-free lamps

Product benefits
- Very long lifetime of up to 25,000 h
- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Ideal for economical spotlighting

Areas of application
- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Display cabinets and shop windows
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor applications only in suitable luminaires

References / Links
- For dimming conformity see 'www.ledvance.com/dim'
- For further products and actual information concerning LED lamps see 'www.ledvance.com/ledlamps'
- For Guarantee see 'www.ledvance.com/guarantee'
- Further information see 'www.ledvance.com/low-voltage-ledlamps'
## Technical data

### Electrical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated wattage</td>
<td>5.00 W</td>
</tr>
<tr>
<td>Nominal wattage</td>
<td>5.00 W</td>
</tr>
<tr>
<td>Nominal voltage</td>
<td>12.0 V</td>
</tr>
<tr>
<td>Claimed equiv. conventional lamp power</td>
<td>35 W</td>
</tr>
<tr>
<td>Power factor $\lambda$</td>
<td>$&gt; 0.70$</td>
</tr>
</tbody>
</table>

### Photometrical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous intensity</td>
<td>950 cd</td>
</tr>
<tr>
<td>Nominal luminous flux</td>
<td>350 lm</td>
</tr>
<tr>
<td>Rated luminous flux</td>
<td>350 lm</td>
</tr>
<tr>
<td>Rated color temperature</td>
<td>4000 K</td>
</tr>
<tr>
<td>Color rendering index Ra</td>
<td>$\geq 80$</td>
</tr>
<tr>
<td>Light color (designation)</td>
<td>Cool White</td>
</tr>
<tr>
<td>Standard deviation of color matching</td>
<td>$\leq 5$ sdcms</td>
</tr>
<tr>
<td>Nominal useful luminous flux 90°</td>
<td>350 lm</td>
</tr>
<tr>
<td>Rated useful luminous flux 90°</td>
<td>350 lm</td>
</tr>
<tr>
<td>Rated peak intensity</td>
<td>950 cd</td>
</tr>
<tr>
<td>Lumen main. fact. at end of nom. life time</td>
<td>0.70</td>
</tr>
</tbody>
</table>

### Light technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beam angle</td>
<td>36 °</td>
</tr>
<tr>
<td>Warm-up time (60 %)</td>
<td>$&lt; 0.50$ s</td>
</tr>
<tr>
<td>Nominal beam angle</td>
<td>36 °</td>
</tr>
<tr>
<td>Rated beam angle (half peak value)</td>
<td>36.00 °</td>
</tr>
<tr>
<td>Starting time</td>
<td>$&lt; 0.5$ s</td>
</tr>
</tbody>
</table>
Product datasheet

Dimensions & weight

Overall length | 46.0 mm
Diameter       | 51.0 mm
Outer bulb     | MR51
Length         | 46.0 mm
Maximum diameter | 51.0 mm

Lifespan

Nominal lamp life time | 25000 h
Rated lamp life time  | 25000 h
Number of switching cycles | 100000

Additional product data

Base (standard designation) | GU5.3
Mercury content             | 0.0 mg
Mercury-free                | Yes
Appropriate disposal acc. to WEEE | 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 | Yes

Certificates & standards

Energy efficiency class | A+
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Energy consumption

5 kWh/1000h

Country specific categorizations

<table>
<thead>
<tr>
<th>ILCOS</th>
<th>DRR-5/840-12-GU5.3-50/36</th>
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</thead>
</table>

Order reference

LPMR16D3536 SW/

Logistical Data

<table>
<thead>
<tr>
<th>Product code</th>
<th>Product description</th>
<th>Packaging unit (Pieces/Unit)</th>
<th>Dimensions (length x width x height)</th>
<th>Volume</th>
<th>Gross weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4052899957657</td>
<td>P MR16 35 36° DIM 5 W/840 GU5.3</td>
<td>Shipping carton box 10 Pieces Folding carton box</td>
<td>257 mm x 110 mm x 70 mm</td>
<td>1.98 dm³</td>
<td>498.40 g</td>
</tr>
</tbody>
</table>

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.

OSRAM is distribution partner of LEDVANCE of LAMPS

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