

## PRODUCT DATASHEET

### LED VALUE MR 16 36 ° 6 W/6500 K GU5.3 Ra 80

LED VALUE MR16 12 V | Low-voltage LED reflector lamps MR16 with retrofit pin base



#### Areas of application

- All domestic rooms, especially where the lamps are visible
- Outdoor applications only in suitable luminaires
- Direct and indirect lighting

#### Product benefits

- Very low energy consumption
- No UV radiation in the light beam
- Shockproof and vibration-proof

#### Product features

- Not dimmable
- Base: GU5.3
- Lifetime up to 15,000 h
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

|  |          |
|--|----------|
| Nominal wattage                        | 6 W      |
| Construction wattage                   | 6.00 W   |
| Nominal voltage                        | 12.00 V  |
| Claimed equiv. conventional lamp power | 40 W     |
| Nominal current                        | 520 mA   |
| Type of current                        | AC       |
| Operating frequency                    | 50/60 Hz |
| Mains frequency                        | 50/60 Hz |
| Power factor $\lambda$                 | 0.90     |

### Photometrical data

|   |                     |
|---|---------------------|
| Luminous intensity                      | 900 cd              |
| Luminous flux                           | 470 lm              |
| Nominal useful luminous flux 90°        | 470 lm              |
| Luminous efficacy                       | 78 lm/W             |
| Lumen main.fact.at end of nom.life time | 0.70                |
| Light color (designation)               | Warm White          |
| 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                    | 900 cd              |

### Light technical data

|                     |        |
|---------------------|--------|
| Beam angle          | 36 °   |
| Warm-up time (60 %) | 0.50 s |
| Starting time       | 0.5 s  |

### Dimensions & Weight

|                  |          |
|------------------|----------|
| Overall length   | 44.00 mm |
| Diameter         | 50.00 mm |
| Maximum diameter | 50 mm    |
| Product weight   | 44.00 g  |

## Temperatures &amp; operating conditions

|                           |              |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
|---------------------------|--------------|

## Lifespan

|  |        |
|--|--------|
| Number of switching cycles                   | 100000 |
| Lumen maintenance at end of service lifetime | 0.70   |
| Rated lamp survival factor at 6,000 h        | 0.90   |

## Additional product data

|                             |  |
|-----------------------------|--|
| Base (standard designation) | GU5.3  |
| 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 | A+ <sup>1)</sup> |
| Energy consumption      | 6.00 kWh/1000h   |

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

## Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LVMR1640 6W/865 |
|-----------------|-----------------|


## Energy labelling regulation data acc EU 2019/2015

|   |          |
|---|----------|
| Light source cap-type (or other electric interface) | GU5.3    |
| Length  | 44.00 mm |
| Height  | 50.00 mm |
| Width   | 50.00 mm |

## EQUIPMENT / ACCESSORIES

- Equipped with high-power LEDs
- Suitable for many commercially available conventional transformers

DOWNLOAD DATA

| Photometric and lighting design files   |                | Document name           |
|---|----------------|-------------------------|
|  | IES file (IES) | VALUE PAR16 50 4.5W 36D |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075168503 | Folding box<br>1             | 53 mm x 53 mm x 53 mm                | 51.00 g      | 0.15 dm <sup>3</sup> |
| 4058075168510 | Shipping box<br>10           | 276 mm x 116 mm x 67 mm              | 587.00 g     | 2.15 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.