

## PRODUCT DATASHEET

### LED VALUE MR 16 36 ° 5.5 W/2700 K GU5.3

LED VALUE MR16 230 V | High-voltage LED reflector lamps MR16 with retrofit pin base



#### Areas of application

- Residential interiors
- Hospitality
- Restaurants
- Museums, art galleries

#### Product benefits

- Clear cast shadows for brilliant accent light
- Uniform illumination thanks to TIR-reflector and fly eye single optic design
- Very low energy consumption
- Good quality of light
- Easy replacement of halogen lamps thanks to compact design
- Easy and cost-effective operation
- No UV and near-IR radiation in the light beam
- Reliable operation thanks to brand quality

#### Product features

- High-quality LED replacement for halogen reflector lamps
- High color consistency: < 6 SDCM
- No electronic transformer is needed
- Surge protection: up to 1,000 V
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

|  |             |
|--|-------------|
| Nominal wattage                        | 5.5 W       |
| Construction wattage                   | 5.50 W      |
| Nominal voltage                        | 100...240 V |
| Claimed equiv. conventional lamp power | 50 W        |
| Nominal current                        | 34 mA       |
| Type of current                        | AC          |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50/60 Hz    |
| Power factor $\lambda$                 | 0.70        |

### Photometrical data

|                                      |                     |
|--------------------------------------|---------------------|
| Luminous intensity                   | 880 cd              |
| Luminous flux                        | 525 lm              |
| Nominal useful luminous flux 90°     | 470 lm              |
| Luminous efficacy                    | 95 lm/W             |
| Light color (designation)            | Warm White          |
| Color temperature                    | 2700 K              |
| Color rendering index Ra             | 80                  |
| Light color                          | 827                 |
| Standard deviation of color matching | ≤6 sdc <sub>m</sub> |
| Rated peak intensity                 | 880 cd              |

### Light technical data

|               |         |
|---------------|---------|
| Beam angle    | 36 °    |
| Starting time | < 0.5 s |

### Dimensions & Weight

|                |          |
|----------------|----------|
| Overall length | 48.00 mm |
| Diameter       | 50.00 mm |

|                |         |
|----------------|---------|
| Product weight | 29.00 g |
|----------------|---------|

### Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+45 °C |
| Maximum temperature at tc test point | ≤ 100 °C     |

### Lifespan

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

### Additional product data

|                             |         |
|-----------------------------|---------|
| Base (standard designation) | GU5.3   |
| Mercury content             | 0.0 mg  |
| Mercury-free                | Yes     |
| Design / version            | Frosted |

### Capabilities

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

### Certificates & Standards

|                    |      |
|--------------------|------|
| Type of protection | IP20 |
|--------------------|------|



### Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LVMR16365,5W/82 |
|-----------------|-----------------|

### Energy labelling regulation data acc EU 2019/2015

|   |          |
|---|----------|
| Light source cap-type (or other electric interface) | GU5.3    |
| Length  | 48.00 mm |
| Height  | 50.00 mm |
| Width   | 50.00 mm |

### DOWNLOAD DATA

| Photometric and lighting design files  |                             | Document name             |
|--|-----------------------------|---------------------------|
|  | IES file (IES)              | LV MR1636 5.5W 230V GU5.3 |
|  | IES files (IES, additional) | LV MR1636 5.5W 120V GU5.3 |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854297410 | Folding box<br>1             | 51 mm x 51 mm x 54 mm                | 36.00 g      | 0.14 dm <sup>3</sup> |
| 4099854297427 | Shipping box<br>10           | 268 mm x 113 mm x 69 mm              | 408.00 g     | 2.09 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.