

PRODUCT DATASHEET

LED PFM MR16 24 ° 6 W/2700 K GU5.3

LED PERFORMANCE MR 16 COB 12 V | Low-voltage LED reflector lamps MR16 with retrofit pin base



Product benefits

- Attractive lamp appearance
- Easy replacement of halogen lamps thanks to compact design
- Clear cast shadows for brilliant accent light
- Good quality of light
- Creation of the preferred light ambience thanks to dimming
- Very low energy consumption
- Easy installation
- Very high dimmer compatibility, see also www.ledvance.com/dim
- No UV and near-IR radiation in the light beam
- Reliable operation thanks to brand quality

Product features

- Real COB design
- Input voltage: 12 V_{AC}
- Mercury-free lamps



- Lifetime up to 40,000 h
- Dimmable
- High color consistency: ≤ 4 SDCM
- Color rendering index $R_a \geq 90$

TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 6 W |
| Construction wattage | 6.00 W |
| Nominal voltage | 12 V |
| Claimed equiv. conventional lamp power | 50 W |
| Nominal current | 550 mA |
| Type of current | AC/DC |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Total harmonic distortion | 99,8 % |
| Power factor λ | ≥ 0.90 |

Photometrical data

| | |
|----------------------------------|------------|
| Luminous intensity | 3000 cd |
| Luminous flux | 600 lm |
| Nominal useful luminous flux 90° | 550 lm |
| Luminous efficacy | 100 lm/W |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | ≥ 90 |
| Light color | 927 |
| Rated peak intensity | 3000 cd |

Light technical data

| | |
|---------------|---------|
| Beam angle | 24 ° |
| Starting time | < 0.5 s |

Dimensions & Weight

| | |
|----------------|----------|
| Overall length | 44.00 mm |
| Diameter | 50.00 mm |

| | |
|------------------|---------|
| Maximum diameter | 50 mm |
| Product weight | 35.00 g |

Temperatures & operating conditions

| | |
|---------------------------|--------------|
| Ambient temperature range | -20...+45 °C |
|---------------------------|--------------|

Lifespan

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

Additional product data

| | |
|-----------------------------|--------|
| Base (standard designation) | GU5.3 |
| Mercury content | 0.0 mg |

Capabilities

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Certificates & Standards

| | |
|--------------------|-----------------|
| Type of protection | IP20 |
| Standards | CB / EMC / RoHS |



Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LPMR165024D 6W/ |
|-----------------|-----------------|

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 |

DOWNLOAD DATA

| Photometric and lighting design files | | Document name |
|---|-------------------------------------|----------------------------------|
|  | IES file (IES) | LPMR165024D 6W 927 12V COB GU5.3 |
|  | Light distribution curve type polar | LPMR165024D 6W 927 12V COB GU5.3 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854024597 | Folding box 1 | 49 mm x 49 mm x 62 mm | 42.00 g | 0.15 dm ³ |
| 4099854024603 | Shipping box 10 | 255 mm x 107 mm x 72 mm | 500.00 g | 1.96 dm ³ |

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.