

PRODUCT DATASHEET

LED PFM MR16 10 ° 6 W/6500 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	108,9 %
Power factor λ	≥ 0.90

Photometrical data

Luminous intensity	6000 cd
Luminous flux	650 lm
Nominal useful luminous flux 90°	600 lm
Luminous efficacy	108 lm/W
Light color (designation)	Daylight
Color temperature	6500 K
Color rendering index Ra	≥ 90
Light color	965
Rated peak intensity	6000 cd

Light technical data

Beam angle	10 °
Starting time	< 0.5 s

Dimensions & Weight

Overall length	45.00 mm
Diameter	50.00 mm

Maximum diameter	50 mm
Product weight	31.00 g

Temperatures & operating conditions

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

Number of switching cycles	100000
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Additional product data

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

Capabilities

Dimmable	Yes
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Certificates & Standards

Type of protection	IP20
Standards	CB / EMC / RoHS


Country-specific categorizations

Order reference	LPMR165010D 6W/
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU5.3
Length	45.00 mm
Height	50.00 mm
Width	50.00 mm

DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	LPMR165010D 6W 965 12V COB GU5.3

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854024894	Folding box 1	49 mm x 49 mm x 62 mm	42.00 g	0.15 dm ³
4099854024900	Shipping box 10	255 mm x 107 mm x 72 mm	470.00 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.