

PRODUCT DATASHEETP MR 16 20 36 ° DIM 3.4 W/2700 K GU5.3

PARATHOM® DIM MR16 | Dimmable low-voltage LED reflector lamps MR16 with retrofit pin base



Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming
- Very high dimmer compatibility, see also www.ledvance.com/dim
- Compatible with many common conventional and electronic control gears (see also compatibility list)
- Instant 100 % light, no warm-up time

Product features

- LED alternative to low voltage halogen lamps
- High color consistency: ≤ 5 SDCM





- Dimmable
- Base: GU5.3
- Lamp made of glass
- Very high color rendering (Ra: 90)
- Lifetime: up to 25,000 h

TECHNICAL DATA

Electrical data

Nominal wattage	3.4 W
Construction wattage	3.40 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	20 W
Nominal current	320 mA
Type of current	AC/DC
Inrush current	12.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	46
Max. lamp no. on circuit break. 16 A (B)	58
Power factor λ	< 0.70

Photometrical data

Luminous intensity	500 cd
Luminous flux	230 lm
Nominal useful luminous flux 90°	230 lm
Luminous efficacy	67 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	90
Light color	927
Standard deviation of color matching	≤5 sdcm
Rated peak intensity	500 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0,4



Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	36.00 °

Dimensions & Weight

Overall length	44.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	36.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	80 °C

Lifespan

Lifespan	25000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

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

Capabilities

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	Dimmable	Yes
	Jiiiiid Die	165

Certificates & Standards

Energy efficiency class	G
Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

Country-specific categorizations

Order reference	LPMR16D2036 3,4
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Energy labelling regulation data acc EU 2019/2015

Non-directional or directional DLS Mains or non-mains NMLS Light source cap-type (or other electric interface) GUS.3 Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 Networked standby power for CLS 0.0 W Claim of equivalent power Yes Length 44.00 mm Height 50.00 mm Width 50.00 mm Chromaticity coordinate x 0,4578 Chromaticity coordinate y 0,4101 R9 Colour rendering index 1 Beam angle correspondence NARROW_CONE_90 Survival factor 0,00 Displacement factor 0,00 LED light source replaces a fluorescent light source No EFREL ID 1235153 Model number AC42767	Lighting technology used	LED
Light source cap-type (or other electric interface) Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power O Networked standby power for CLS Claim of equivalent power Length Height 50.00 mm Width 50.00 mm Width 50.00 mm Chromaticity coordinate x Chromaticity coordinate y R9 Colour rendering index 1 Beam angle correspondence NARROW_CONE_90 Displacement factor LED light source replaces a fluorescent light source EPREL ID 100 No No No No No Anti-glare shield No No ETSIA SINGLE_VALUE O,0 W Correlated colour temperature type No No SINGLE_VALUE O,0 W Correlated colour temperature type No No SINGLE_VALUE SINGLE_V	Non-directional or directional	DLS
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Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 Networked standby power for CLS 0.0 W Claim of equivalent power Yes Length 44.00 mm Height 50.00 mm Width 50.00 mm Chromaticity coordinate x 0,4578 Chromaticity coordinate y 0,4101 R9 Colour rendering index 1 Beam angle correspondence NARROW_CONE_90 Survival factor 0,90 Displacement factor 1235153	Connected light source (CLS)	No
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LED light source replaces a fluorescent light source No 1235153	Survival factor	0,90
EPREL ID 1235153	Displacement factor	0.00
	LED light source replaces a fluorescent light source	No
Model number AC42767	EPREL ID	1235153
	Model number	AC42767

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075796454	Folding box 1	49 mm x 49 mm x 62 mm	43.00 g	0.15 dm ³
4058075796461	Shipping box 10	255 mm x 107 mm x 72 mm	483.00 g	1.96 dm³

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.

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

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