PRODUCT DATASHEET
P MR 16 35 36 ° DIM 5 W/3000 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

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

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TECHNICAL DATA

Electrical data

Nominal wattage	5 W
Construction wattage	5.00 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	35 W
Nominal current	490 mA
Type of current	AC/DC
Inrush current	13.5 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	44
Max. lamp no. on circuit break. 16 A (B)	55
Power factor λ	> 0.70

Photometrical data

Luminous intensity	700 cd
Luminous flux	345 lm
Nominal useful luminous flux 90°	345 lm
Luminous efficacy	69 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	90
Light color	930
Standard deviation of color matching	≤5 sdcm
Rated peak intensity	700 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0,4

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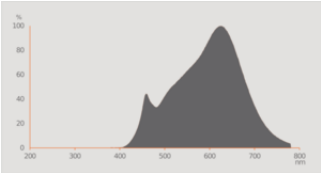

Light technical data

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	38.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °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

Dimmable	Yes

Certificates & Standards

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Energy efficiency class	G
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

Country-specific categorizations

Order reference	LPMR16D3536 5W/

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
Mains or non-mains	NMLS
Light source cap-type (or other electric interface)	GU5.3
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	0,4339
Chromaticity coordinate y	0,4033
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0,90
Displacement factor	⊠0,5
LED light source replaces a fluorescent light source	No
EPREL ID	1235160
Model number	AC42774

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075796539	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm^3
4058075796546	Shipping box 10	255 mm x 107 mm x 72 mm	503.00 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.

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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