

# PRODUCT DATASHEET LED MR16 43 36° DIM P PRO 7.8W 930 GU5.3

PARATHOM® PRO 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
- Lower energy consumption than incandescent or halogen lamps





#### Product features

- LED alternative to low voltage halogen lamps
- High color consistency: ≤ 3 SDCM
- Dimmable
- Base: GU5.3
- Lamp made of glass
- Excellent color rendering CRI > 97
- Lifetime up to 40,000 h

# TECHNICAL DATA

# Electrical data

Nominal wattage	7.8 W
Construction wattage	7.80 W
Nominal voltage	12 V
Claimed equiv. conventional lamp power	43 W
Nominal current	720 mA
Type of current	AC/DC
Inrush current	11.2 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	22
Max. lamp number on MCB B16 A	36
Power factor $\lambda$	0.90

# Photometrical data

Luminous intensity	850 cd
Luminous flux	500 lm
Nominal useful luminous flux 90°	500 lm
Luminous efficacy	64 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	97
Light color	930
Standard deviation of color matching	≤3 sdcm
Rated peak intensity	850 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.2
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST RKE 3000K

# Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

# Dimensions & Weight

Overall length	46.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	43.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	102 °C

# Lifespan

Lifespan L70/B50 at 25 °C	40000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

# Additional product data

Base (standard designation)	GU5.3
Mercury content	0.0 mg
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

# Capabilities

Dimmable	Yes

## Certificates & Standards

Energy efficiency class	G <sup>1)</sup>
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

LPMR16D4336 7,8

# Country-specific categorizations

Order reference

Order relevance	EI WITTOD-000 1,0	
inergy 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	
Claim of equivalent power	Yes	
Length	46.00 mm	
Height	51.00 mm	
Width	51.00 mm	
Chromaticity coordinate x	0.430	
Chromaticity coordinate y	0.393	
R9 Colour rendering index	1	
Beam angle correspondence	NARROW_CONE_90	
Survival factor	0,9	
Displacement factor	0.70	
LED light source replaces a fluorescent light source	No	
EPREL ID	523027	

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Model number	AC32722

#### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

#### **DOWNLOAD DATA**

	Documents and certificates	Document name
PDF	Declarations of conformity	LED lamps MR16

Photometric and lighting design files	Document name
Spectral power distribution	Everlight 67-23ST RKE 3000K

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075609358	Folding box 1	49 mm x 49 mm x 62 mm	50.00 g	0.15 dm <sup>3</sup>
4058075609365	Shipping box 10	255 mm x 107 mm x 72 mm	553.00 g	1.96 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.

## 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

## **DISCLAIMER**

GU5.3

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.