

## PARATHOM PRO MR16 43 36° ADV 8.2 W/940 GU5.3

PARATHOM PRO MR16 advanced | Dimmable low-voltage LED reflector lamps MR16 with retrofit pin base

### Areas of application

- As a downlight for marking walkways, doors, stairs, etc.
- Exhibitions, department stores
- Outdoor applications only in suitable luminaires
- Directional light sources
- Museums
- Hospitality
- Shops

### Product benefits

- Very low energy consumption
- Extremely long life
- Robust against vibrations
- No UV and near-IR radiation in the light beam
- Efficient generation of white light

### Product features

- Professional LED lamp
- Dimmable (with many common dimmers, see also )
- Base: GU5.3
- Lifetime: up to 50,000 h
- Mercury-free lamps
- High color consistency
- High color consistency; SDCM: 4 (PARATHOM PRO)



## Technical data

### Electrical data

Rated wattage	8.20 W
Nominal wattage	8.20 W
Nominal voltage	12.0 V
Claimed equiv. conventional lamp power	43 W
Operating frequency	50...60 Hz
Power factor $\lambda$	0.85

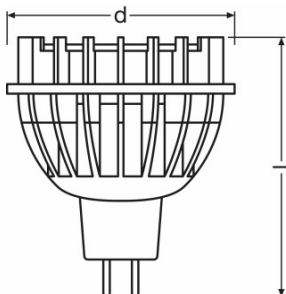
### Photometrical data

Luminous intensity	1150 cd
Nominal luminous flux	500 lm
Rated luminous flux	500 lm
Color temperature	4000 K
Color rendering index Ra	90
Light color (designation)	Cool White
Standard deviation of color matching	$\leq 4$ sdc <sub>m</sub>
Nominal useful luminous flux 90°	500 lm
Rated useful luminous flux 90°	500 lm
Rated peak intensity	1150 cd

### Light technical data

Beam angle	36 °
Warm-up time (60 %)	0.20 s
Starting time	0.2 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °

## Dimensions & weight



Overall length	55.8 mm
Diameter	49.6 mm
Outer bulb	MR51
Length	55.8 mm
Maximum diameter	50.0 mm

## Lifespan

Nominal lamp life time	35000 h
Rated lamp life time	35000 h
Number of switching cycles	100000
Lumen main.fact.at end of nom.life time	0.70

## Additional product data

Base (standard designation)	GU5.3
Lamp mercury content	0.0 mg
Mercury-free	Yes
Appropriate disposal acc. to WEEE	Yes
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

## Product datasheet

Energy efficiency class	A
Energy consumption	9 kWh/1000h

### Country specific categorizations

Order reference	PPMR16D4336 8,2
-----------------	-----------------



Guarantee

### Equipment / Accessories

- Equipped with high-power LEDs
- Suitable for many commercially available electronic or conventional transformers

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899944114	PARATHOM PRO MR16 43 36° ADV 8.2 W/940 GU5.3	Shipping carton box 10	267 mm x 111 mm x 69 mm	2.04 dm <sup>3</sup>	685.00 g

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.osram.com/DIM](http://www.osram.com/DIM)

For further products and actual information concerning LED lamps see

- ▶ [www.osram.com/ledlamps](http://www.osram.com/ledlamps)

For Guarantee see

- ▶ [www.osram.com/guarantee](http://www.osram.com/guarantee)

Further information see

## Product datasheet

▶ [www.osram.com/low-voltage-ledlamps](http://www.osram.com/low-voltage-ledlamps)

---

### Disclaimer

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