

# Product family datasheet

## PARATHOM PRO MR16

Dimmable low-voltage LED reflector lamps MR16 with retrofit pin base



- Shops Hospitality Museums, art galleries Residential interiors As a downlight for marking walkways, doors, stairs, etc. Spotlighting for accents Display cabinets and shop windows Spotlighting heat-sensitive objects such as food, plants, etc. Outdoor applications only in suitable luminaires

- Short payback period thanks to low energy consumption and maintenance costs Premium light quality thanks to high color rendering index and narrow binning Easy replacement of halogen lamps due to compact full glass design and single optic
- Product features Very high color rendering (Ra: 90) Very high color consistency:  $\leq 4$  SDCM Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)) Made in Germany (versions up to 20 W) Mercury-free lamps Product benefits Short payback period thanks to low energy consumption and maintenance costs Premium light quality thanks to high color rendering index and narrow binning Easy replacement of halogen lamps due to compact full glass design and single optic Areas of application Shops Hospitality Museums, art galleries Residential interiors As a downlight for marking walkways, doors, stairs, etc. Spotlighting for accents Display cabinets and shop windows Spotlighting heat-sensitive objects such as food, plants, etc. Outdoor applications only in suitable luminaires References / Links For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim) For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps) For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee) Further information see [www.ledvance.com/low-voltage-ledlamps](http://www.ledvance.com/low-voltage-ledlamps)



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### Technical data

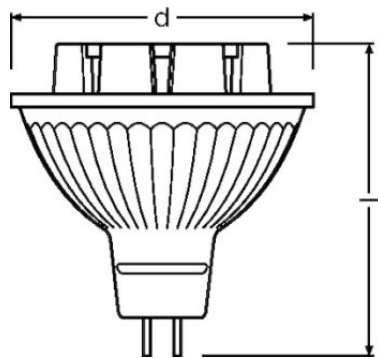
Product description	Electrical data		Photometrical data				Light technical data
	Nominal wattage	Nominal voltage	Luminous intensity	Nominal luminous flux	Rated color temperature	Light color (designation)	Beam angle
PP MR16 35 36° 6.1 W/940 GU5.3 <sup>1)</sup>	6.10 W	12 V	900 cd	350 lm	4000 K	Cool White	36 °
PP MR16 4.5 W/930 GU5.3	4.50 W	12 V		230 lm	3000 K	Warm White	36 °
PP MR16 4.5 W/940 GU5.3	4.50 W	12 V		230 lm	4000 K	Cool White	36 °

Product description	Warm-up time (60 %)	Starting time	Nominal beam angle	Rated beam angle (half peak value)	Dimensions & weight	Lifespan	
					Overall length	Nominal lamp life time	Rated lamp life time
PP MR16 35 36° 6.1 W/940 GU5.3 <sup>1)</sup>	< 0.50 s	< 0.5 s	36 °	36.00 °	46.0 mm	40000 h	40000 h
PP MR16 4.5 W/930 GU5.3		< 0.5 s	36 °	36.00 °	46.0 mm	40000 h	40000 h
PP MR16 4.5 W/940 GU5.3		< 0.5 s	36 °	36.00 °	46.0 mm	40000 h	40000 h

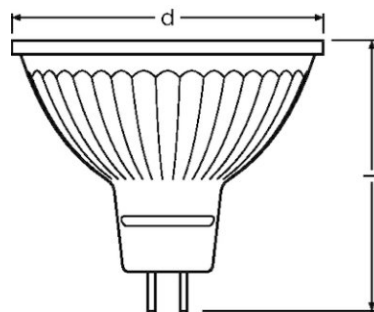
Product description	Number of switching cycles	Additional product data	Capabilities	Certificates & standards		Country specific categorizations	
		Base (standard designation)	Dimmable	Energy consumption	Energy efficiency class	ILCOS	Order reference
PP MR16 35 36° 6.1 W/940 GU5.3 <sup>1)</sup>	100000	GU5.3	Yes	6 kWh/1000h	A	DRR-6,1/940-12-GU5,3-50/36	LPMR16D3536 6,1
PP MR16 4.5 W/930 GU5.3	1000000	GU5.3	Yes	5 kWh/1000h	A		LPMR16D2036 4,5
PP MR16 4.5 W/940 GU5.3	1000000	GU5.3	Yes	5 kWh/1000h	A		LPMR16D2036 4,5

<sup>1)</sup> 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

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PP MR16 35 36° 6.1 W/940 GU5.3



PP MR16 4.5 W/930 GU5.3, PP MR16  
4.5 W/940 GU5.3

### Application advice

For more detailed application information and graphics please see product datasheet.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075815452	PP MR16 35 36° 6.1 W/940 GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm <sup>3</sup>	498.00 g
4058075095649	PP MR16 4.5 W/930 GU5.3	Shipping carton box 10	257 mm x 110 mm x 70 mm	1.98 dm <sup>3</sup>	495.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075095625	PP MR16 4.5 W/940 GU5.3	Shipping carton box 10	257 mm x 110 mm x 70 mm	1.98 dm <sup>3</sup>	495.00 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.

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### 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

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

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### Disclaimer

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

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