

# Product family datasheet

## PARATHOM MR16

Low-voltage LED reflector lamps MR16 with retrofit pin base



- Shops and exhibition rooms Domestic applications  
Commercial applications Accent lighting Outdoor use in  
outdoor luminaires only (minimum IP65)

- 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 Instant 100 %  
light, no warm-up time



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Technical data

Product description	Electrical data						
	Claimed equiv. conventional lamp power	Operating frequency	Nominal current	Rated wattage	Nominal wattage	Nominal voltage	Max. lamp no. on circuit break. 16 A (B)
P MR16 3.8 W/827 GU5.3	35 W	0 Hz	460 mA				
P MR16 8 W/827 GU5.3	50 W	50/60 Hz	0.72 A	8.00 W	8.00 W	12 V	36
P MR16 8 W/830 GU5.3	50 W	50/60 Hz	720 mA				
P MR16 3.8 W/830 GU5.3	35 W	0 Hz	460 mA				

Product description	Max. lamp no. on circuit break. 10 A (B)	Photometrical data					
		Luminous intensity	Light color (designation)	Nominal luminous flux	Rated luminous flux	Rated color temperature	Color rendering index Ra
P MR16 3.8 W/827 GU5.3		790 cd	Warm White				
P MR16 8 W/827 GU5.3	22	1000 cd	Warm White	621 lm	621 lm	2700 K	≥80
P MR16 8 W/830 GU5.3		1000 cd	Warm White				
P MR16 3.8 W/830 GU5.3		790 cd	Warm White				

Product description	Color temperature	Standard deviation of color matching	Lumen main.fact.at end of nom.life time	Light technical data		Dimensions & weight	
				Beam angle	Starting time	Overall length	Product weight
P MR16 3.8 W/827 GU5.3				36 °		46.00 mm	34.00 g
P MR16 8 W/827 GU5.3	2700 K	≤6 sdc	0.70	36 °	< 0.5 s	46.0 mm	45.00 g
P MR16 8 W/830 GU5.3				36 °		46.00 mm	45.00 g
P MR16 3.8 W/830 GU5.3				36 °		46.00 mm	34.00 g

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				Temperatures & operating conditions	Lifespan		
Product description	Diameter	Outer bulb	Length	Ambient temperature range	Lumen maintenance at end of service life	Nominal lamp life time	Rated lamp life time
P MR16 3.8 W/827 GU5.3				-20...+40 °C	0.7		
P MR16 8 W/827 GU5.3	50.0 mm	MR51	46.0 mm	-20...+40 °C	0.70	15000 h	15000 h
P MR16 8 W/830 GU5.3				-20...+40 °C	0.7		
P MR16 3.8 W/830 GU5.3				-20...+40 °C	0.7		

		Additional product data					Certificates & standards
Product description	Number of switching cycles	Mercury-free	Product remark	Predecessor EAN	Base (standard designation)	Successor EAN	Energy consumption
P MR16 3.8 W/827 GU5.3		Yes	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	4052899957770			5.00 kWh/1000h

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		Additional product data					Certificates & standards
Product description	Number of switching cycles	Mercury-free	Product remark	Predecessor EAN	Base (standard designation)	Successor EAN	Energy consumption
P MR16 8 W/827 GU5.3	100000	Yes	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	4052899957817, 4058075449404	GU5.3	4058075609259	9 kWh/1000h

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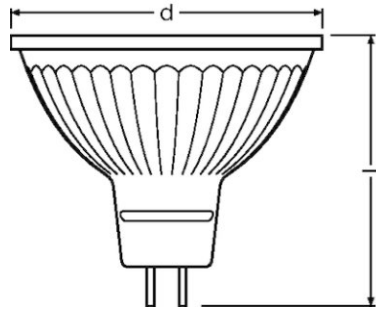
Product description	Number of switching cycles	Additional product data					Certificates & standards
		Mercury-free	Product remark	Predecessor EAN	Base (standard designation)	Successor EAN	Energy consumption
P MR16 8 W/830 GU5.3		Yes	All technical parameters apply to the entire lamp   Due to the complex 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	4058075815575, 4058075449381		4058075609235	9.00 kWh/1000h

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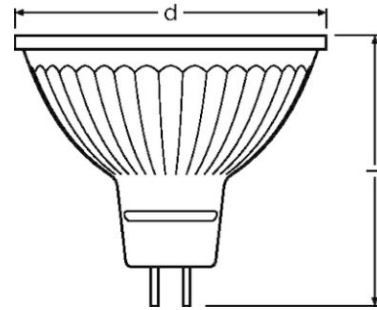
		Additional product data					Certificates & standards
Product description	Number of switching cycles	Mercury-free	Product remark	Predecessor EAN	Base (standard designation)	Successor EAN	Energy consumption
P MR16 3.8 W/830 GU5.3		Yes	All technical parameters apply to the entire lamp   Due to the complex 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	4058075815513			5.00 kWh/1000h

			Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			Country specific categorizations
Product description	Energy efficiency class	Type of protection	Date of Declaration	Primary Article Identifier	Declaration No. in SCIP database	Order reference
P MR16 3.8 W/827 GU5.3	F		14-09-2022	4058075431256	In work	
P MR16 8 W/827 GU5.3	G	IP20	14-09-2022	4058075449404   4058075609259	In work	LPMR165036 8W/8
P MR16 8 W/830 GU5.3	G		14-09-2022	4058075449381   4058075609235	In work	
P MR16 3.8 W/830 GU5.3	F		16-09-2022	4058075431218   4058075796652	In work	

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P MR16 3.8 W/827 GU5.3, P MR16 3.8 W/830 GU5.3



P MR16 8 W/827 GU5.3, P MR16 8 W/830 GU5.3

### Application advice

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

### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075431256	P MR16 3.8 W/827 GU5.3	Shipping carton box 10	257 mm x 110 mm x 70 mm	1.98 dm <sup>3</sup>	458.00 g
4058075609259	P MR16 8 W/827 GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm <sup>3</sup>	583.00 g
4058075609235	P MR16 8 W/830 GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm <sup>3</sup>	583.00 g
4058075796652	P MR16 3.8 W/830 GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm <sup>3</sup>	483.00 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 further products and actual information concerning LED lamps see

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

For Guarantee see [https://](https://www.inventronics-light.com/multilevel-guarantees)

- ▶ [www.inventronics-light.com/multilevel-guarantees](https://www.inventronics-light.com/multilevel-guarantees)

Further information see

- ▶ [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.

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