

Product family datasheet

PARATHOM MR16 DIM

Professional LED reflector lamps



- 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

- Very long lifetime of up to 25,000 h
- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Ideal for economical spotlighting

Product features

- Professional LED alternative to low voltage halogen lamps
- Good quality of light; color rendering index $R_a: \geq 80$
- High color consistency: ≤ 5 SDCM
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Made in Germany (versions up to 35 W)
- Mercury-free lamps



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Product benefits

- Very long lifetime of up to 25,000 h
- Low energy consumption
- High color consistency thanks to narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic
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Areas of application

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
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Technical data

Product description	Electrical data		Photometrical data			Light technical data	
	Nominal wattage	Nominal voltage	Nominal luminous flux	Rated color temperature	Light color (designation)	Luminous intensity	Beam angle
P MR16 DIM 3.4 W/827 GU5.3	3.40 W	12 V	230 lm	2700 K	Warm White		36 °
P MR16 DIM 3.4 W/830 GU5.3	3.40 W	12 V	230 lm	3000 K	Warm White		36 °
P MR16 DIM 3.4 W/840 GU5.3	3.40 W	12 V	230 lm	4000 K	Cool White		36 °
P MR16 DIM 5 W/827 GU5.3	5.00 W	12 V	350 lm	2700 K	Warm White		36 °
P MR16 DIM 5 W/840 GU5.3	5.00 W	12 V	350 lm	4000 K	Cool White		36 °
P MR16 DIM 7.8 W/827 GU5.3	7.80 W	12 V	621 lm	2700 K	Warm White	1430 cd	36 °
P MR16 DIM 7.8 W/830 GU5.3	7.80 W	12 V	621 lm	3000 K	Warm White		36 °
P MR16 DIM 7.8 W/840 GU5.3	7.80 W	12 V	621 lm	4000 K	Cool White		36 °
P MR16 35 36° DIM 5 W/827 GU5.3 ¹⁾	5.00 W	12.0 V	350 lm	2700 K	Warm White	950 cd	36 °
P MR16 35 36° DIM 5 W/840 GU5.3 ¹⁾	5.00 W	12.0 V	350 lm	4000 K	Cool White	950 cd	36 °

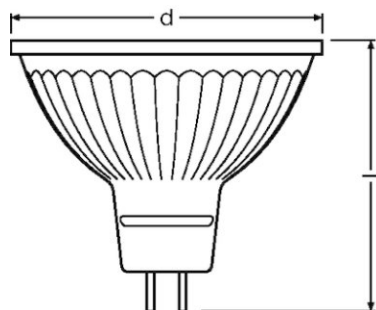
Product description	Nominal beam angle	Rated beam angle (half peak value)	Starting time	Warm-up time (60 %)	Dimensions & weight	Lifespan	
					Overall length	Nominal lamp life time	Rated lamp life time
P MR16 DIM 3.4 W/827 GU5.3	36 °	36.00 °	< 0.5 s		46.0 mm	25000 h	25000 h
P MR16 DIM 3.4 W/830 GU5.3	36 °	36.00 °	< 0.5 s		46.0 mm	25000 h	25000 h
P MR16 DIM 3.4 W/840 GU5.3	36 °	36.00 °	< 0.5 s		46.0 mm	25000 h	25000 h
P MR16 DIM 5 W/827 GU5.3	36 °	36.00 °	< 0.5 s		46.0 mm	25000 h	25000 h
P MR16 DIM 5 W/840 GU5.3	36 °	36.00 °	< 0.5 s		46.0 mm	25000 h	25000 h
P MR16 DIM 7.8 W/827 GU5.3	36 °	36.00 °	< 0.5 s		53.0 mm	25000 h	25000 h
P MR16 DIM 7.8 W/830 GU5.3	36 °	36.00 °	< 0.5 s		53.0 mm	25000 h	25000 h
P MR16 DIM 7.8 W/840 GU5.3	36 °	36.00 °	< 0.5 s		53.0 mm	25000 h	25000 h
P MR16 35 36° DIM 5 W/827 GU5.3 ¹⁾	36 °	36.00 °	< 0.5 s	< 0.50 s	46.0 mm	25000 h	25000 h
P MR16 35 36° DIM 5 W/840 GU5.3 ¹⁾	36 °	36.00 °	< 0.5 s	< 0.50 s	46.0 mm	25000 h	25000 h

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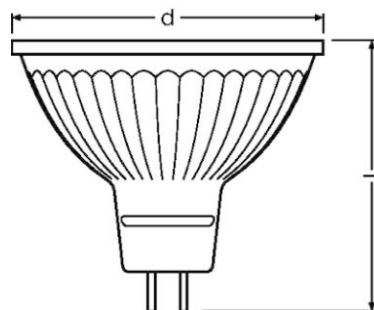
Product description	Number of switching cycles	Additional product data	Capabilities	Certificates & standards		Country specific categorizations	
		Base (standard designation)	Dimmable	Energy consumption	Energy efficiency class	Order reference	ILCOS
P MR16 DIM 3.4 W/827 GU5.3	100000	GU5.3	Yes	4 kWh/1000h	A+	LPMR16D2036 3,4	
P MR16 DIM 3.4 W/830 GU5.3	100000	GU5.3	Yes	4 kWh/1000h	A+	LPMR16D2036 3,4	
P MR16 DIM 3.4 W/840 GU5.3	100000	GU5.3	Yes	4 kWh/1000h	A+	LPMR16D2036 3,4	
P MR16 DIM 5 W/827 GU5.3	100000	GU5.3	Yes	5 kWh/1000h	A+	LPMR16D3536 5W/	
P MR16 DIM 5 W/840 GU5.3	100000	GU5.3	Yes	5 kWh/1000h	A+	LPMR16D3536 5W/	
P MR16 DIM 7.8 W/827 GU5.3	100000	GU5.3	Yes	8 kWh/1000h	A+	LPMR16D5036 7,8	DRR-7,8/827-12-GU5,3-50/36
P MR16 DIM 7.8 W/830 GU5.3	100000	GU5.3	Yes	8 kWh/1000h	A+	LPMR16D5036 7,8	
P MR16 DIM 7.8 W/840 GU5.3	100000	GU5.3	Yes	8 kWh/1000h	A+	LPMR16D5036 7,8	
P MR16 35 36° DIM 5 W/827 GU5.3 ¹⁾	100000	GU5.3	Yes	5 kWh/1000h	A+	LPMR16D3536 5W/	DRR-5/827-12-GU5.3-50/36
P MR16 35 36° DIM 5 W/840 GU5.3 ¹⁾	100000	GU5.3	Yes	5 kWh/1000h	A+	LPMR16D3536 5W/	DRR-5/840-12-GU5.3-50/36

¹⁾ 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/LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance)

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P MR16 DIM 3.4 W/827 GU5.3, P MR16
DIM 3.4 W/830 GU5.3, P MR16 DIM 3.4
W/840 GU5.3, P MR16 DIM 5 W/827
GU5.3, P MR16 DIM 5 W/840 GU5.3



P MR16 35 36° DIM 5 W/827 GU5.3, P
MR16 35 36° DIM 5 W/840 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
4058075094871	P MR16 DIM 3.4 W/827 GU5.3	Shipping carton box 10	188 mm x 78 mm x 55 mm	0.81 dm ³	495.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4058075094857	P MR16 DIM 3.4 W/830 GU5.3	Shipping carton box 10	188 mm x 78 mm x 55 mm	0.81 dm ³	495.00 g
4058075094833	P MR16 DIM 3.4 W/840 GU5.3	Shipping carton box 10	188 mm x 78 mm x 55 mm	0.81 dm ³	495.00 g
4058075094956	P MR16 DIM 5 W/827 GU5.3	Shipping carton box 10	188 mm x 78 mm x 55 mm	0.81 dm ³	495.00 g
4058075094895	P MR16 DIM 5 W/840 GU5.3	Shipping carton box 10	188 mm x 78 mm x 55 mm	0.81 dm ³	495.00 g
4058075095120	P MR16 DIM 7.8 W/827 GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	770.00 g
4058075095106	P MR16 DIM 7.8 W/830 GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	770.00 g
4058075095083	P MR16 DIM 7.8 W/840 GU5.3	Shipping carton box 10	255 mm x 107 mm x 72 mm	1.96 dm ³	770.00 g
4052899957633	P MR16 35 36° DIM 5 W/827 GU5.3	Shipping carton box 10	257 mm x 110 mm x 70 mm	1.98 dm ³	498.40 g
4052899957657	P MR16 35 36° DIM 5 W/840 GU5.3	Shipping carton box 10	257 mm x 110 mm x 70 mm	1.98 dm ³	498.40 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.

Disclaimer

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

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