

PRODUCT FAMILY DATASHEET

PARATHOM® DIM 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 outdoor luminaires only (minimum IP65)

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

Product features

- LED alternative to low voltage halogen lamps
- High color consistency: ≤ 5 SDCM
- Dimmable
- Base: GU5.3
- Lamp made of glass



- Very high color rendering (R_a : 90)
- Lifetime: up to 25,000 h



TECHNICAL DATA

Electrical data

Product description	Nominal wattage	Construction wattage [PICOS]	Claimed equiv. conventional lamp power	Nominal voltage	Nominal current
P MR16 20 36 ° 3.4 W/2700 K GU5.3	3.4 W	3.40 W	20 W	12 V	530 mA
P MR16 20 36 ° 3.4 W/3000 K GU5.3	3.4 W	3.40 W	20 W	12 V	530 mA
P MR16 20 36 ° 3.4 W/3000 K GU5.3	3.4 W	3.40 W	20 W	12 V	530 mA
P MR16 20 36 ° 3.4 W/4000 K GU5.3	3.4 W	3.40 W	20 W	12 V	530 mA
P MR16 35 36 ° 4.9 W/2700 K GU5.3	4.9 W	4.90 W	35 W	12 V	630 mA
P MR16 35 36 ° 4.9 W/3000 K GU5.3	4.9 W	4.90 W	35 W	12 V	630 mA
P MR16 35 36 ° 4.9 W/4000 K GU5.3	4.9 W	4.90 W	35 W	12 V	630 mA
P MR16 35 36 ° 5 W/2700 K GU5.3	5 W	5.00 W	35 W	12 V	630 mA
P MR16 50 36 ° 7.8 W/2700 K GU5.3	7.8 W	7.80 W	50 W	12 V	980 mA
P MR16 50 36 ° 7.8 W/3000 K GU5.3	7.8 W	7.80 W	50 W	12 V	980 mA
P MR16 50 36 ° 7.8 W/4000 K GU5.3	7.8 W	7.80 W	50 W	12 V	980 mA
P MR16 50 36 ° 8 W/2700 K GU5.3	8 W	8.00 W	50 W	12 V	720 mA
P MR16 50 36 ° 8 W/3000 K GU5.3	8 W	8.00 W	50 W	12 V	720 mA
P MR16 50 36 ° 8 W/4000 K GU5.3	8 W	8.00 W	50 W	12 V	720 mA

Product description	Type of current	Inrush current	Operating frequency	Mains frequency	Max. lamp no. on circuit break. 10 A (B)
P MR16 20 36 ° 3.4 W/2700 K GU5.3	AC/DC	14.3 A	0 Hz	0 Hz	29
P MR16 20 36 ° 3.4 W/3000 K GU5.3	AC/DC		50...60 Hz	50...60 Hz	
P MR16 20 36 ° 3.4 W/3000 K GU5.3	AC/DC	14.3 A	0 Hz	0 Hz	29



Product description	Type of current	Inrush current	Operating frequency	Mains frequency	Max. lamp no. on circuit break. 10 A (B)
P MR16 20 36 ° 3.4 W/4000 K GU5.3	AC/DC	14.3 A	0 Hz	0 Hz	29
P MR16 35 36 ° 4.9 W/2700 K GU5.3	AC/DC	14.3 A	0 Hz	0 Hz	27
P MR16 35 36 ° 4.9 W/3000 K GU5.3	AC/DC	14.3 A	0 Hz	0 Hz	27
P MR16 35 36 ° 4.9 W/4000 K GU5.3	AC/DC	14.3 A	0 Hz	0 Hz	27
P MR16 35 36 ° 5 W/2700 K GU5.3	AC/DC		50...60 Hz	50...60 Hz	
P MR16 50 36 ° 7.8 W/2700 K GU5.3	AC	23.8 A	50...60 Hz	50...60 Hz	20
P MR16 50 36 ° 7.8 W/3000 K GU5.3	AC/DC	11.8 A	50...60 Hz	50...60 Hz	
P MR16 50 36 ° 7.8 W/4000 K GU5.3	AC/DC	11.8 A	50...60 Hz	50...60 Hz	
P MR16 50 36 ° 8 W/2700 K GU5.3	AC/DC	11.8 A	50/60 Hz	50/60 Hz	22
P MR16 50 36 ° 8 W/3000 K GU5.3	AC/DC	11.8 A	50/60 Hz	50/60 Hz	22
P MR16 50 36 ° 8 W/4000 K GU5.3	AC/DC	11.8 A	50/60 Hz	50/60 Hz	22

Product description	Max. lamp no. on circuit break. 16 A (B)	Power factor λ
P MR16 20 36 ° 3.4 W/2700 K GU5.3	48	> 0.50
P MR16 20 36 ° 3.4 W/3000 K GU5.3		> 0.50
P MR16 20 36 ° 3.4 W/3000 K GU5.3	48	> 0.50
P MR16 20 36 ° 3.4 W/4000 K GU5.3	48	> 0.50
P MR16 35 36 ° 4.9 W/2700 K GU5.3	44	> 0.50
P MR16 35 36 ° 4.9 W/3000 K GU5.3	44	> 0.50
P MR16 35 36 ° 4.9 W/4000 K GU5.3	44	> 0.50
P MR16 35 36 ° 5 W/2700 K GU5.3		> 0.50
P MR16 50 36 ° 7.8 W/2700 K GU5.3	33	> 0.50



Product description	Max. lamp no. on circuit break. 16 A (B)	Power factor λ
P MR16 50 36 ° 7.8 W/3000 K GU5.3		> 0.50
P MR16 50 36 ° 7.8 W/4000 K GU5.3		> 0.50
P MR16 50 36 ° 8 W/2700 K GU5.3	36	> 0.80
P MR16 50 36 ° 8 W/3000 K GU5.3	36	> 0.80
P MR16 50 36 ° 8 W/4000 K GU5.3	36	> 0.80

Photometrical data

Product description	Luminous intensity	Luminous flux	Nominal useful luminous flux 90°	Luminous efficacy	Lumen main.fact.at end of nom.life time
P MR16 20 36 ° 3.4 W/2700 K GU5.3	560 cd	230 lm	230 lm	67 lm/W	0.70
P MR16 20 36 ° 3.4 W/3000 K GU5.3	600 cd	230 lm	230 lm	67 lm/W	0.70
P MR16 20 36 ° 3.4 W/3000 K GU5.3	560 cd	230 lm	230 lm	67 lm/W	0.70
P MR16 20 36 ° 3.4 W/4000 K GU5.3	560 cd	230 lm	230 lm	67 lm/W	0.70
P MR16 35 36 ° 4.9 W/2700 K GU5.3	560 cd	350 lm	350 lm	71 lm/W	0.70
P MR16 35 36 ° 4.9 W/3000 K GU5.3	560 cd	350 lm	350 lm	71 lm/W	0.70
P MR16 35 36 ° 4.9 W/4000 K GU5.3	560 cd	350 lm	350 lm	71 lm/W	0.70
P MR16 35 36 ° 5 W/2700 K GU5.3	950 cd	350 lm	350 lm	70 lm/W	0.70
P MR16 50 36 ° 7.8 W/2700 K GU5.3	1430 cd	621 lm	621 lm	79 lm/W	0.70
P MR16 50 36 ° 7.8 W/3000 K GU5.3	1430 cd	621 lm	621 lm	79 lm/W	0.70
P MR16 50 36 ° 7.8 W/4000 K GU5.3	1430 cd	621 lm	621 lm	79 lm/W	0.70
P MR16 50 36 ° 8 W/2700 K GU5.3	1000 cd	550 lm	550 lm	68 lm/W	0.70
P MR16 50 36 ° 8 W/3000 K GU5.3	1000 cd	561 lm	561 lm	70 lm/W	0.70
P MR16 50 36 ° 8 W/4000 K GU5.3	1000 cd	561 lm	561 lm	70 lm/W	0.70

Product description	Light color (designation)	EPREL - Correlated colour temperature type	Color temperature	Color rendering index Ra	Light color
P MR16 20 36 ° 3.4 W/2700 K GU5.3	Warm White	SINGLE_VALUE	2700 K	≥90	927
P MR16 20 36 ° 3.4 W/3000 K GU5.3	Warm White	SINGLE_VALUE	3000 K	≥80	830
P MR16 20 36 ° 3.4 W/3000 K GU5.3	Warm White	SINGLE_VALUE	3000 K	≥90	930
P MR16 20 36 ° 3.4 W/4000 K GU5.3	Cool White	SINGLE_VALUE	4000 K	≥90	940
P MR16 35 36 ° 4.9 W/2700 K GU5.3	Warm White	SINGLE_VALUE	2700 K	≥90	927
P MR16 35 36 ° 4.9 W/3000 K GU5.3	Warm White	SINGLE_VALUE	3000 K	≥90	930
P MR16 35 36 ° 4.9 W/4000 K GU5.3	Cool White	SINGLE_VALUE	4000 K	≥90	940
P MR16 35 36 ° 5 W/2700 K GU5.3	Warm White	SINGLE_VALUE	2700 K	≥80	827
P MR16 50 36 ° 7.8 W/2700 K GU5.3	Warm White	SINGLE_VALUE	2700 K	≥80	827
P MR16 50 36 ° 7.8 W/3000 K GU5.3	Warm White	SINGLE_VALUE	3000 K	≥80	830
P MR16 50 36 ° 7.8 W/4000 K GU5.3	Cool White	SINGLE_VALUE	4000 K	≥80	840
P MR16 50 36 ° 8 W/2700 K GU5.3	Warm White	SINGLE_VALUE	2700 K	≥90	927
P MR16 50 36 ° 8 W/3000 K GU5.3	Warm White	SINGLE_VALUE	3000 K	90	930
P MR16 50 36 ° 8 W/4000 K GU5.3	Cool White	SINGLE_VALUE	4000 K	≥90	940

Product description	Standard deviation of color matching	Rated peak intensity	Rated LLMF at 6,000 h
P MR16 20 36 ° 3.4 W/2700 K GU5.3	≤5 sdcn	560 cd	0.80
P MR16 20 36 ° 3.4 W/3000 K GU5.3	≤5 sdcn	600 cd	0.80
P MR16 20 36 ° 3.4 W/3000 K GU5.3	≤5 sdcn	560 cd	0.80
P MR16 20 36 ° 3.4 W/4000 K GU5.3	≤5 sdcn	560 cd	0.80
P MR16 35 36 ° 4.9 W/2700 K GU5.3	≤5 sdcn	560 cd	0.80
P MR16 35 36 ° 4.9 W/3000 K GU5.3	≤5 sdcn	560 cd	0.80



Product description	Standard deviation of color matching	Rated peak intensity	Rated LLMF at 6,000 h
P MR16 35 36 ° 4.9 W/4000 K GU5.3	≤5 sdcM	560 cd	0.80
P MR16 35 36 ° 5 W/2700 K GU5.3	≤5 sdcM	950 cd	0.80
P MR16 50 36 ° 7.8 W/2700 K GU5.3	≤5 sdcM	1430 cd	0.80
P MR16 50 36 ° 7.8 W/3000 K GU5.3	≤5 sdcM	1430 cd	0.80
P MR16 50 36 ° 7.8 W/4000 K GU5.3	≤5 sdcM	1430 cd	0.80
P MR16 50 36 ° 8 W/2700 K GU5.3	≤5 sdcM	1000 cd	0.80
P MR16 50 36 ° 8 W/3000 K GU5.3	≤5 sdcM	1000 cd	0.80
P MR16 50 36 ° 8 W/4000 K GU5.3	≤5 sdcM	1000 cd	0.80

Light technical data

Product description	Beam angle	Warm-up time (60 %)	Starting time	Rated beam angle (half peak value)
P MR16 20 36 ° 3.4 W/2700 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 20 36 ° 3.4 W/3000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 20 36 ° 3.4 W/3000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 20 36 ° 3.4 W/4000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 35 36 ° 4.9 W/2700 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 35 36 ° 4.9 W/3000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 35 36 ° 4.9 W/4000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 35 36 ° 5 W/2700 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 50 36 ° 7.8 W/2700 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 50 36 ° 7.8 W/3000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 50 36 ° 7.8 W/4000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °



Product description	Beam angle	Warm-up time (60 %)	Starting time	Rated beam angle (half peak value)
P MR16 50 36 ° 8 W/2700 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 50 36 ° 8 W/3000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °
P MR16 50 36 ° 8 W/4000 K GU5.3	36 °	< 0.50 s	< 0.5 s	36.00 °

Dimensions & weight

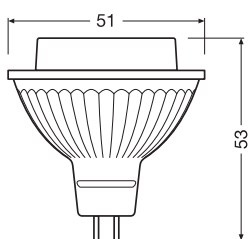
Product description	Overall length	Length	Width (incl. round luminaires)	Height (incl. round luminaires)	Diameter
P MR16 20 36 ° 3.4 W/2700 K GU5.3	46.00 mm	46.00 mm	51,0 mm	51,0 mm	51,0 mm
P MR16 20 36 ° 3.4 W/3000 K GU5.3	46.00 mm	46.00 mm	51.00 mm	51.00 mm	51.00 mm
P MR16 20 36 ° 3.4 W/3000 K GU5.3	46.00 mm	46.00 mm	51,0 mm	51,0 mm	51,0 mm
P MR16 20 36 ° 3.4 W/4000 K GU5.3	46.00 mm	46.00 mm	51,0 mm	51,0 mm	51,0 mm
P MR16 35 36 ° 4.9 W/2700 K GU5.3	46.00 mm	46.00 mm	51,0 mm	51,0 mm	51,0 mm
P MR16 35 36 ° 4.9 W/3000 K GU5.3	46.00 mm	46.00 mm	51,0 mm	51,0 mm	51,0 mm
P MR16 35 36 ° 4.9 W/4000 K GU5.3	46.00 mm	46.00 mm	51,0 mm	51,0 mm	51,0 mm
P MR16 35 36 ° 5 W/2700 K GU5.3	46.00 mm	46.00 mm	51.00 mm	51.00 mm	51.00 mm
P MR16 50 36 ° 7.8 W/2700 K GU5.3	53.00 mm	53.00 mm	51.00 mm	51.00 mm	51.00 mm
P MR16 50 36 ° 7.8 W/3000 K GU5.3	53.00 mm	53.00 mm	51.00 mm	51.00 mm	51.00 mm
P MR16 50 36 ° 7.8 W/4000 K GU5.3	53.00 mm	53.00 mm	51.00 mm	51.00 mm	51.00 mm
P MR16 50 36 ° 8 W/2700 K GU5.3	46.00 mm	46.00 mm	51.00 mm	51.00 mm	51.00 mm
P MR16 50 36 ° 8 W/3000 K GU5.3	46.00 mm	46.00 mm	51.00 mm	51.00 mm	51.00 mm
P MR16 50 36 ° 8 W/4000 K GU5.3	46.00 mm	46.00 mm	51.00 mm	51.00 mm	51.00 mm

Product description	Maximum diameter	Product weight
P MR16 20 36 ° 3.4 W/2700 K GU5.3	51 mm	35.00 g



Product description	Maximum diameter	Product weight
P MR16 20 36 ° 3.4 W/3000 K GU5.3	51 mm	38.00 g
P MR16 20 36 ° 3.4 W/3000 K GU5.3	51 mm	35.00 g
P MR16 20 36 ° 3.4 W/4000 K GU5.3	51 mm	35.00 g
P MR16 35 36 ° 4.9 W/2700 K GU5.3	51 mm	35.00 g
P MR16 35 36 ° 4.9 W/3000 K GU5.3	51 mm	35.00 g
P MR16 35 36 ° 4.9 W/4000 K GU5.3	51 mm	35.00 g
P MR16 35 36 ° 5 W/2700 K GU5.3	51 mm	38.00 g
P MR16 50 36 ° 7.8 W/2700 K GU5.3	51 mm	65.00 g
P MR16 50 36 ° 7.8 W/3000 K GU5.3	51 mm	65.00 g
P MR16 50 36 ° 7.8 W/4000 K GU5.3	51 mm	65.00 g
P MR16 50 36 ° 8 W/2700 K GU5.3	50 mm	43.00 g
P MR16 50 36 ° 8 W/3000 K GU5.3	50 mm	43.00 g
P MR16 50 36 ° 8 W/4000 K GU5.3	50 mm	43.00 g

Product line drawing



P MR16 50 36 ° 7.8 W/4000 K GU5.3

Temperatures & operating conditions



Product description	Ambient temperature range	Maximum temperature at tc test point
P MR16 20 36 ° 3.4 W/2700 K GU5.3	-20...+40 °C	77 °C
P MR16 20 36 ° 3.4 W/3000 K GU5.3	-20...+40 °C	69 °C
P MR16 20 36 ° 3.4 W/3000 K GU5.3	-20...+40 °C	77 °C
P MR16 20 36 ° 3.4 W/4000 K GU5.3	-20...+40 °C	77 °C
P MR16 35 36 ° 4.9 W/2700 K GU5.3	-20...+40 °C	92 °C
P MR16 35 36 ° 4.9 W/3000 K GU5.3	-20...+40 °C	92 °C
P MR16 35 36 ° 4.9 W/4000 K GU5.3	-20...+40 °C	92 °C
P MR16 35 36 ° 5 W/2700 K GU5.3	-20...+40 °C	80 °C
P MR16 50 36 ° 7.8 W/2700 K GU5.3	-20...+40 °C	90 °C
P MR16 50 36 ° 7.8 W/3000 K GU5.3	-20...+40 °C	90 °C
P MR16 50 36 ° 7.8 W/4000 K GU5.3	-20...+40 °C	90 °C
P MR16 50 36 ° 8 W/2700 K GU5.3	-20...+40 °C	110 °C
P MR16 50 36 ° 8 W/3000 K GU5.3	-20...+40 °C	110 °C
P MR16 50 36 ° 8 W/4000 K GU5.3	-20...+40 °C	110 °C

Lifespan

Product description	Nominal lamp life time	Number of switching cycles	Lumen maintenance at end of serv	Rated lamp survival factor at 6,000
P MR16 20 36 ° 3.4 W/2700 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 20 36 ° 3.4 W/3000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 20 36 ° 3.4 W/3000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 20 36 ° 3.4 W/4000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 35 36 ° 4.9 W/2700 K GU5.3	25000 h	100000	0.70	≥ 0.90



Product description	Nominal lamp life time	Number of switching cycles	Lumen maintenance at end of serv	Rated lamp survival factor at 6,000
P MR16 35 36 ° 4.9 W/3000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 35 36 ° 4.9 W/4000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 35 36 ° 5 W/2700 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 50 36 ° 7.8 W/2700 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 50 36 ° 7.8 W/3000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 50 36 ° 7.8 W/4000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 50 36 ° 8 W/2700 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 50 36 ° 8 W/3000 K GU5.3	25000 h	100000	0.70	≥ 0.90
P MR16 50 36 ° 8 W/4000 K GU5.3	25000 h	100000	0.70	≥ 0.90

Additional product data

Product description	Base (standard designation)	Mercury content	Mercury-free	Product remark	EPREL - Light source cap-type (or other electric interface)
P MR16 20 36 ° 3.4 W/2700 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 20 36 ° 3.4 W/3000 K GU5.3	GU5.3	0.0 mg	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	GU5.3



Product description	Base (standard designation)	Mercury content	Mercury-free	Product remark	EPREL - Light source cap-type (or other electric interface)
P MR16 20 36 ° 3.4 W/3000 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 20 36 ° 3.4 W/4000 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 35 36 ° 4.9 W/2700 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 35 36 ° 4.9 W/3000 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 35 36 ° 4.9 W/4000 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 35 36 ° 5 W/2700 K GU5.3	GU5.3	0.0 mg	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	GU5.3



Product description	Base (standard designation)	Mercury content	Mercury-free	Product remark	EPREL - Light source cap-type (or other electric interface)
P MR16 50 36 ° 7.8 W/2700 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 50 36 ° 7.8 W/3000 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 50 36 ° 7.8 W/4000 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 50 36 ° 8 W/2700 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 50 36 ° 8 W/3000 K GU5.3	GU5.3	0.0 mg	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	GU5.3
P MR16 50 36 ° 8 W/4000 K GU5.3	GU5.3	0.0 mg	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	GU5.3

Capabilities



Product description	Dimmable
P MR16 20 36 ° 3.4 W/2700 K GU5.3	Yes
P MR16 20 36 ° 3.4 W/3000 K GU5.3	Yes
P MR16 20 36 ° 3.4 W/3000 K GU5.3	Yes
P MR16 20 36 ° 3.4 W/4000 K GU5.3	Yes
P MR16 35 36 ° 4.9 W/2700 K GU5.3	Yes
P MR16 35 36 ° 4.9 W/3000 K GU5.3	Yes
P MR16 35 36 ° 4.9 W/4000 K GU5.3	Yes
P MR16 35 36 ° 5 W/2700 K GU5.3	Yes
P MR16 50 36 ° 7.8 W/2700 K GU5.3	Yes
P MR16 50 36 ° 7.8 W/3000 K GU5.3	Yes
P MR16 50 36 ° 7.8 W/4000 K GU5.3	Yes
P MR16 50 36 ° 8 W/2700 K GU5.3	Yes
P MR16 50 36 ° 8 W/3000 K GU5.3	Yes
P MR16 50 36 ° 8 W/4000 K GU5.3	Yes

Certificates & standards

Product description	Energy efficiency class	Energy consumption	Type of protection	Standards	Photobiological safety group acc. to EN62778
P MR16 20 36 ° 3.4 W/2700 K GU5.3	G ¹⁾	4.00 kWh/1000h	IP20	CE / EAC	RG1
P MR16 20 36 ° 3.4 W/3000 K GU5.3	A+ ²⁾	4.00 kWh/1000h	IP20	CE / EAC	
P MR16 20 36 ° 3.4 W/3000 K GU5.3	G ¹⁾	4.00 kWh/1000h	IP20	CE / EAC	RG1
P MR16 20 36 ° 3.4 W/4000 K GU5.3	G ¹⁾	4.00 kWh/1000h	IP20	CE / EAC	RG1
P MR16 35 36 ° 4.9 W/2700 K GU5.3	G ¹⁾	6.00 kWh/1000h	IP20	CE / EAC	RG1



Product description	Energy efficiency class	Energy consumption	Type of protection	Standards	Photobiological safety group acc. to EN62778
P MR16 35 36 ° 4.9 W/3000 K GU5.3	G ¹⁾	6.00 kWh/1000h	IP20	CE / EAC	RG1
P MR16 35 36 ° 4.9 W/4000 K GU5.3	G ¹⁾	6.00 kWh/1000h	IP20	CE / EAC	RG1
P MR16 35 36 ° 5 W/2700 K GU5.3	A+ ²⁾	5.00 kWh/1000h	IP20	CE / EAC	
P MR16 50 36 ° 7.8 W/2700 K GU5.3	A+ ²⁾	8.00 kWh/1000h	IP20	CE / EAC	
P MR16 50 36 ° 7.8 W/3000 K GU5.3	A+ ²⁾	8.00 kWh/1000h	IP20	CE / EAC	
P MR16 50 36 ° 7.8 W/4000 K GU5.3	A+ ²⁾	8.00 kWh/1000h	IP20	CE / EAC	
P MR16 50 36 ° 8 W/2700 K GU5.3	A ²⁾	9.00 kWh/1000h	IP20	CE / EAC	RG1
P MR16 50 36 ° 8 W/3000 K GU5.3	A ²⁾	9.00 kWh/1000h	IP20	CE / EAC	RG1
P MR16 50 36 ° 8 W/4000 K GU5.3	A ²⁾	9.00 kWh/1000h	IP20	CE / EAC	RG1

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

2) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

APPLICATION ADVICE

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

SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com













COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL-Code	SEG number	STK number	UK Org
P MR16 20 36 ° 3.4 W/2700 K GU5.3	4058075431577	-	8295444	4731500	-
P MR16 20 36 ° 3.4 W/3000 K GU5.3	4058075094857	-	8293978	-	-
P MR16 20 36 ° 3.4 W/3000 K GU5.3	4058075431553	-	8295445	4731501	-
P MR16 20 36 ° 3.4 W/4000 K GU5.3	4058075431539	-	8295446	4731502	-
P MR16 35 36 ° 4.9 W/2700 K GU5.3	4058075431492	-	8295447	4731503	-
P MR16 35 36 ° 4.9 W/3000 K GU5.3	4058075431478	-	8295448	4731504	-
P MR16 35 36 ° 4.9 W/4000 K GU5.3	4058075431430	-	8295449	4731505	-





















Product description	Product code	METEL-Code	SEG number	STK number	UK Org
P MR16 35 36 ° 5 W/2700 K GU5.3	4058075094956	-	8293980	-	-
P MR16 50 36 ° 7.8 W/2700 K GU5.3	4058075095120	-	8293983	-	-
P MR16 50 36 ° 7.8 W/3000 K GU5.3	4058075095106	-	8293984	-	-
P MR16 50 36 ° 7.8 W/4000 K GU5.3	4058075095083	-	8293985	-	-
P MR16 50 36 ° 8 W/2700 K GU5.3	4058075449466	-	8295450	4731506	-
P MR16 50 36 ° 8 W/3000 K GU5.3	4058075449442	-	8295451	4731507	-
P MR16 50 36 ° 8 W/4000 K GU5.3	4058075449428	-	8295452	4731508	-

DOWNLOAD DATA

DOWNLOAD DATA	
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	PRODUCT DATASHEET P MR16 20 36 3.4 W 3000K GU5.3 DATASHEET
	IES file (IES) AC07571_MR16 D2036 3,4W 12V GU5
	LDT file (Eulumdat) AC07571_MR16 D2036 3,4W 12V GU5
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025


















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	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	PRODUCT DATASHEET P MR16 35 36 5 W 2700K GU5.3 DATASHEET
	IES file (IES) AC07573_MR16 5W 12V GU5
	LDT file (Eulumdat) AC07573_MR16 5W 12V GU5
	UGR file (UGR table) LPMR16D3536 5W 827 12V GU5.3 FS1 OSRAM
	PRODUCT DATASHEET P MR16 50 36 7.8 W 2700K GU5.3 DATASHEET
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	IES file (IES) AC07576_MR16 50 7,8W12V GU5
	LDT file (Eulumdat) AC07576_MR16 50 7,8W12V GU5



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	PRODUCT DATASHEET P MR16 50 36 7.8 W 3000K GU5.3 DATASHEET
	IES file (IES) AC07577_MR16 50 7,8W12V GU5
	LDT file (Eulumdat) AC07577_MR16 50 7,8W12V GU5
	PRODUCT DATASHEET P MR16 50 36 7.8 W 4000K GU5.3 DATASHEET
	IES file (IES) AC07578_MR16 50 7,8W12V GU5
	LDT file (Eulumdat) AC07578_MR16 50 7,8W12V GU5
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025
	Certificates EAEC N RU D-DE.MYu62.B.00795 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00943 20 06.03.2020-05.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.02266 20 24.09.2020-23.09.2025

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075431577	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³
4058075094857	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075431553	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³
4058075431539	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³
4058075431492	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³
4058075431478	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³
4058075431430	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³
4058075094956	Folding box 1	49 mm x 49 mm x 62 mm	45.00 g	0.15 dm ³
4058075095120	Folding box 1	49 mm x 49 mm x 62 mm	72.00 g	0.15 dm ³
4058075095106	Folding box 1	49 mm x 49 mm x 62 mm	72.00 g	0.15 dm ³
4058075095083	Folding box 1	49 mm x 49 mm x 62 mm	72.00 g	0.15 dm ³
4058075449466	Folding box 1	49 mm x 49 mm x 62 mm	50.00 g	0.15 dm ³
4058075449442	Folding box 1	49 mm x 49 mm x 62 mm	50.00 g	0.15 dm ³
4058075449428	Folding box 1	49 mm x 49 mm x 62 mm	50.00 g	0.15 dm ³

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

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

