

PRODUCT FAMILY DATASHEET

PARATHOM DIM PAR16

Dimmable LED reflector lamps PAR16 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
- Instant 100 % light, no warm-up time

PRODUCT FEATURES

- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 5 SDCM
- Dimmable
- Base: GU10
- Lamp made of glass



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

TECHNICAL DATA

Product description	Electrical data					Photometrical data			
	Nominal wattage	Nominal voltage	Claimed equiv. conventional lamp power	Max. lamp no. on circuit break. 10 A (B)	Max. lamp no. on circuit break. 16 A (B)	Nominal luminous flux	Rated luminous flux	Lumen main.fact.at end of nom.life time	Light color (designation)
P PAR 16 35 36° 3.7 W/2700K GU10 ¹⁾	3.70 W	220...240 V	35 W	237	379	230 lm	230 lm	0.70	Warm White
P PAR 16 35 36° 3.7 W/3000K GU10 ¹⁾	3.70 W	220...240 V	35 W	237	379	230 lm	230 lm	0.70	Warm White
P PAR 16 35 36° 3.7 W/4000K GU10 ¹⁾	3.70 W	220...240 V	35 W	237	379	230 lm	230 lm	0.70	Cool White
P PAR 16 50 36° 5.5 W/2700K E14 ¹⁾	5.50 W	220...240 V	50 W	30	45	350 lm	350 lm	0.70	Warm White
P PAR 16 50 36° 5.5 W/2700K GU10 ¹⁾	5.50 W	220...240 V	50 W	141	226	350 lm	350 lm	0.70	Warm White
P PAR 16 50 36° 5.5 W/2700K GU10 ¹⁾	5.50 W	220...240 V	50 W	141	226	350 lm	350 lm	0.70	Warm White
P PAR 16 50 36° 5.5 W/3000K GU10 ¹⁾	5.50 W	220...240 V	50 W	141	226	350 lm	350 lm	0.70	Warm White
P PAR 16 50 36° 5.5 W/4000K GU10 ¹⁾	5.50 W	220...240 V	50 W	141	226	350 lm	350 lm	0.70	Cool White
P PAR 16 80 36° 8 W/4000K GU10 ¹⁾	8.00 W	220...240 V	80 W			575 lm	575 lm	0.70	Cool White
P PAR 16 80 36° 8.3 W/3000K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	550 lm	550 lm	0.70	Warm White
P PAR 16 80 36° 8.3 W/4000K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	550 lm	550 lm	0.70	Cool White
P PAR 16 80 36° 8.3 W/2700K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	550 lm	550 lm	0.70	Warm White
P PAR16 DIM 100 36° 9.6 W/2700K GU10 ¹⁾	9.60 W	220...240 V	100 W	144	231	750 lm	750 lm	0.70	Warm White
P PAR16 DIM 100 36° 9.6 W/4000K GU10 ¹⁾	9.60 W	220...240 V	100 W	144	231	750 lm	750 lm	0.70	Cool White
P PAR16 DIM 100 36° 9.6 W/3000K GU10 ¹⁾	9.60 W	220...240 V	100 W	144	231	750 lm	750 lm	0.70	Warm White

Product description	Electrical data					Photometrical data			
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P PAR16 DIM 80 60° 8.3 W/2700K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	550 lm	550 lm	0.70	Warm White
P PAR16 DIM 80 60° 8.3 W/3000K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	550 lm	550 lm	0.70	Warm White
P PAR16 DIM 80 60° 8.3 W/4000K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	550 lm	550 lm	0.70	Cool White
P PAR16 DIM 80 120° 8.3 W/2700K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	575 lm	575 lm	0.70	Warm White
P PAR16 DIM 80 120° 8.3 W/4000K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	575 lm	575 lm	0.70	Cool White
P PAR16 DIM 80 120° 8.3 W/3000K GU10 ¹⁾	8.30 W	220...240 V	80 W	167	267	575 lm	575 lm	0.70	Warm White

Product description	Color temperature	Luminous flux	Color rendering index Ra	Light technical data		Dimensions & weight		Temperatures & operating conditions	Lifespan	
				Beam angle	Warm-up time (60 %)	Overall length	Diameter	Ambient temperature range	Nominal lamp life time	Number of switching cycles
P PAR 16 35 36° 3.7 W/2700K GU10 ¹⁾	2700 K	230 lm	≥90	36 ° ²⁾	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 35 36° 3.7 W/3000K GU10 ¹⁾	3000 K	230 lm	≥90	36 ° ²⁾	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 35 36° 3.7 W/4000K GU10 ¹⁾	4000 K	230 lm	≥90	36 ° ²⁾	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 50 36° 5.5 W/2700K E14 ¹⁾	2700 K	350 lm	90	36 ° ²⁾	< 0.50 s	73.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 50 36° 5.5 W/2700K GU10 ¹⁾	2700 K	350 lm	≥90	36 ° ²⁾	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 50 36° 5.5 W/2700K GU10 ¹⁾	2700 K	350 lm	≥90	36 ° ²⁾	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	15000 h	100000
P PAR 16 50 36° 5.5 W/3000K GU10 ¹⁾	3000 K	350 lm	≥90	36 ° ²⁾	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	15000 h	100000

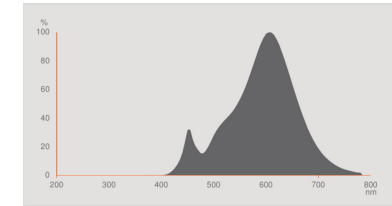
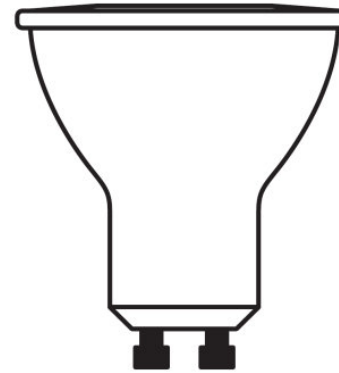
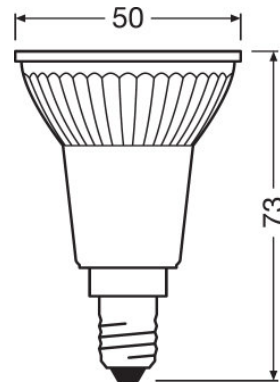
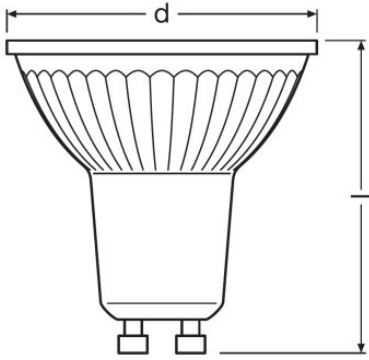
Product description	Color temperature	Luminous flux	Color rendering index Ra	Light technical data		Dimensions & weight		Temperatures & operating conditions	Lifespan	
				Beam angle	Warm-up time (60 %)	Overall length	Diameter	Ambient temperature range	Nominal lamp life time	Number of switching cycles
P PAR 16 50 36° 5.5 W/4000K GU10 ¹⁾	4000 K	350 lm	≥90	36 ° 2)	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	15000 h	100000
P PAR 16 80 36° 8 W/4000K GU10 ¹⁾	4000 K	575 lm	≥80	36 ° 2)	< 0.50 s	55.0 mm	51.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 80 36° 8.3 W/3000K GU10 ¹⁾	3000 K	550 lm	90	36 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 80 36° 8.3 W/4000K GU10 ¹⁾	4000 K	550 lm	≥90	36 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR 16 80 36° 8.3 W/2700K GU10 ¹⁾	2700 K	550 lm	≥90	36 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 100 36° 9.6 W/2700K GU10 ¹⁾	2700 K	750 lm	80	36 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 100 36° 9.6 W/4000K GU10 ¹⁾	4000 K	750 lm	80	36 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 100 36° 9.6 W/3000K GU10 ¹⁾	3000 K	750 lm	80	36 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 80 60° 8.3 W/2700K GU10 ¹⁾	2700 K	550 lm	90	60 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 80 60° 8.3 W/3000K GU10 ¹⁾	3000 K	550 lm	90	60 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 80 60° 8.3 W/4000K GU10 ¹⁾	4000 K	550 lm	90	60 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 80 120° 8.3 W/2700K GU10 ¹⁾	2700 K	575 lm	≥90	120 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 80 120° 8.3 W/4000K GU10 ¹⁾	4000 K	575 lm	≥90	120 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000
P PAR16 DIM 80 120° 8.3 W/3000K GU10 ¹⁾	3000 K	575 lm	90	120 ° 2)	< 0.50 s	52.0 mm	50.0 mm	-20...+40 °C	25000 h	100000

Product description	Additional product data			Capabilities	Certificates & standards	
	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption
P PAR 16 35 36° 3.7 W/2700K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	4 kWh/1000h
P PAR 16 35 36° 3.7 W/3000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	4 kWh/1000h
P PAR 16 35 36° 3.7 W/4000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	4 kWh/1000h
P PAR 16 50 36° 5.5 W/2700K E14 ¹⁾	E14	0.0 mg	Yes	Yes	A+	6 kWh/1000h
P PAR 16 50 36° 5.5 W/2700K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	6 kWh/1000h
P PAR 16 50 36° 5.5 W/2700K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	6 kWh/1000h
P PAR 16 50 36° 5.5 W/3000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	6 kWh/1000h
P PAR 16 50 36° 5.5 W/4000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	6 kWh/1000h
P PAR 16 80 36° 8 W/4000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	8 kWh/1000h
P PAR 16 80 36° 8.3 W/3000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h
P PAR 16 80 36° 8.3 W/4000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h
P PAR 16 80 36° 8.3 W/2700K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h
P PAR16 DIM 100 36° 9.6 W/2700K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	10 kWh/1000h
P PAR16 DIM 100 36° 9.6 W/4000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	10 kWh/1000h
P PAR16 DIM 100 36° 9.6 W/3000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A+	10 kWh/1000h
P PAR16 DIM 80 60° 8.3 W/2700K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h
P PAR16 DIM 80 60° 8.3 W/3000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h
P PAR16 DIM 80 60° 8.3 W/4000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h
P PAR16 DIM 80 120° 8.3 W/2700K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h

Product description	Additional product data			Capabilities	Certificates & standards	
	Base (standard designation)	Mercury content	Mercury-free	Dimmable	Energy efficiency class	Energy consumption
P PAR16 DIM 80 120° 8.3 W/4000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h
P PAR16 DIM 80 120° 8.3 W/3000K GU10 ¹⁾	GU10	0.0 mg	Yes	Yes	A	9 kWh/1000h

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

²⁾ ZMP_110132

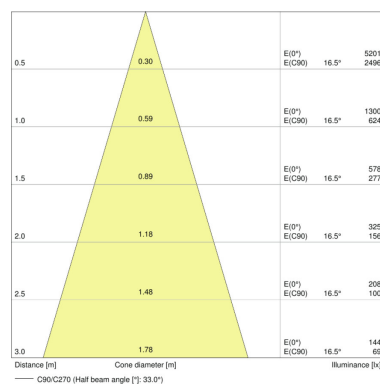
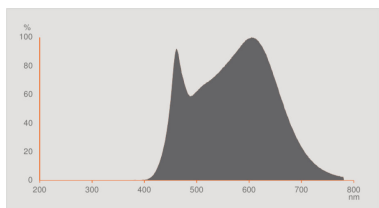


P PAR 16 35 36° 3.7 W/2700K GU10, P
 PAR 16 35 36° 3.7 W/3000K GU10, P
 PAR 16 35 36° 3.7 W/4000K GU10, P
 PAR 16 50 36° 5.5 W/2700K GU10, P
 PAR 16 50 36° 5.5 W/2700K GU10, P
 PAR 16 50 36° 5.5 W/3000K GU10, P
 PAR 16 50 36° 5.5 W/4000K GU10, P
 PAR 16 80 36° 8 W/4000K GU10, P
 PAR16 DIM 100 36° 9.6 W/2700K GU10,
 P PAR16 DIM 100 36° 9.6 W/4000K
 GU10, P PAR16 DIM 100 36° 9.6
 W/3000K GU10, P PAR16 DIM 80 120°
 8.3 W/2700K GU10, P PAR16 DIM 80
 120° 8.3 W/4000K GU10, P PAR16 DIM
 80 120° 8.3 W/3000K GU10

P PAR 16 50 36° 5.5 W/2700K E14

P PAR 16 80 36° 8.3 W/3000K GU10, P
 PAR 16 80 36° 8.3 W/4000K GU10, P
 PAR 16 80 36° 8.3 W/2700K GU10, P
 PAR16 DIM 80 60° 8.3 W/2700K GU10,
 P PAR16 DIM 80 60° 8.3 W/3000K
 GU10, P PAR16 DIM 80 60° 8.3
 W/4000K GU10

P PAR 16 35 36° 3.7 W/2700K GU10, P
 PAR 16 35 36° 3.7 W/3000K GU10, P
 PAR 16 50 36° 5.5 W/2700K GU10, P
 PAR 16 50 36° 5.5 W/2700K GU10, P
 PAR 16 50 36° 5.5 W/3000K GU10



P PAR 16 35 36° 3.7 W/4000K GU10, P
 PAR 16 50 36° 5.5 W/4000K GU10

P PAR 16 80 36° 8 W/4000K GU10

APPLICATION ADVICE

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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075259980	Shipping carton box 10	257 mm x 110 mm x 70 mm	603.00 g	1.98 dm ³
4058075259966	Shipping carton box 10	257 mm x 110 mm x 70 mm	535.00 g	1.98 dm ³
4058075259881	Shipping carton box 10	257 mm x 110 mm x 70 mm	541.00 g	1.98 dm ³
4058075448377	Shipping carton box 10	267 mm x 111 mm x 102 mm	668.00 g	3.02 dm ³
4058075260146	Shipping carton box 10	257 mm x 110 mm x 70 mm	525.00 g	1.98 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075260085	Shipping carton box 50	382 mm x 268 mm x 72 mm	2829.00 g	7.37 dm ³
4058075260108	Shipping carton box 50	382 mm x 268 mm x 72 mm	2829.00 g	7.37 dm ³
4058075260122	Shipping carton box 10	257 mm x 110 mm x 70 mm	532.00 g	1.98 dm ³
4058075260047	Shipping carton box 50	382 mm x 268 mm x 72 mm	2829.00 g	7.37 dm ³
4058075260061	Shipping carton box 10	257 mm x 110 mm x 70 mm	549.00 g	1.98 dm ³
4058075095458	Shipping carton box 10	255 mm x 107 mm x 72 mm	704.00 g	1.96 dm ³
4058075449275	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449251	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449299	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449350	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449312	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449336	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449237	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449213	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449190	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449176	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075449138	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 dm ³
4058075449152	Shipping carton box 10	255 mm x 107 mm x 72 mm	680.00 g	1.96 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

DISCLAIMER

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