PRODUCT FAMILY DATASHEET
PARATHOM PRO PAR16

Dimmable LED reflector lamps PAR16 with retrofit pin base

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.

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

PRODUCT FEATURES

- Professional LED alternative to high voltage halogen lamps
- Very high color rendering (R_a: 90)
- Very high color consistency: ≤ 3 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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TECHNICAL DATA

	Electrical data					Photometrical data			
Product description	**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**	**Color temper-ature**	**Lumen main.fact.at end of nom.life time**
PPRO PAR 16 35 36° 3.7 W/2700K GU10 [1)]	3.70 W	220...240 V	35 W	210	336	230 lm	230 lm	2700 K	0.70
PPRO PAR 16 35 36° 3.7 W/3000K GU10 [1)]	3.70 W	220...240 V	35 W	210	336	230 lm	230 lm	3000 K	0.70
PPRO PAR 16 35 36° 3.7 W/4000K GU10 [1)]	3.70 W	220...240 V	35 W	210	336	230 lm	230 lm	4000 K	0.70
PPRO PAR 16 35 36° 4.9 W/2700K GU10 DIM [1)]	4.90 W	220...240 V	35 W			230 lm	230 lm	2700 K	0.70
PPRO PAR 16 35 36° 4.9 W/4000K GU10 DIM [1)]	4.90 W	220...240 V	35 W			230 lm	230 lm	4000 K	0.70
PPRO PAR 16 35 36° 4.9 W/3000K GU10 DIM [1)]	4.90 W	220...240 V	35 W			230 lm	230 lm	3000 K	0.70
PPRO PAR 16 50 36° 6.5 W/2700K GU10 DIM [1)]	6.50 W	220...240 V	50 W			350 lm	350 lm	2700 K	0.70
PPRO PAR 16 50 36° 6.5 W/3000K GU10 DIM [1)]	6.50 W	220...240 V	50 W			350 lm	350 lm	3000 K	0.70
PPRO PAR 16 80 36° 8.7 W/2700K GU10 [1)]	8.70 W	220...240 V	80 W	129	206	575 lm	575 lm	2700 K	0.70
PPRO PAR 16 50 36° 6.5 W/4000K GU10 DIM [1)]	6.50 W	220...240 V	50 W			350 lm	350 lm	4000 K	0.70
PPRO PAR 16 80 36° 8.7 W/3000K GU10 [1)]	8.70 W	220...240 V	80 W	129	206	575 lm	575 lm	3000 K	0.70
PPRO PAR 16 80 36° 8.7 W/4000K GU10 [1)]	8.70 W	220...240 V	80 W	129	206	575 lm	575 lm	4000 K	0.70

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						Light technical data		Dimensions & weight		Temperatures & operating conditions
Product description	**Light color (designation)**	**Color temper-ature**	**Luminous flux**	**Color render-ing index Ra**	**Luminous intensity [PIM]**	**Beam angle**	**Warm-up time (60 %)**	**Overall length**	**Diameter**	**Maximum temperature at tc test point**
PPRO PAR 16 35 36° 3.7 W/2700K GU10 [1)]	Warm White	2700 K	230 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	75 °C
PPRO PAR 16 35 36° 3.7 W/3000K GU10 [1)]	Warm White	3000 K	230 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	75 °C
PPRO PAR 16 35 36° 3.7 W/4000K GU10 [1)]	Cool White	4000 K	230 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	75 °C
PPRO PAR 16 35 36° 4.9 W/2700K GU10 DIM [1)]	Warm White	2700 K	230 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	75 °C
PPRO PAR 16 35 36° 4.9 W/4000K GU10 DIM [1)]	Cool White	4000 K	230 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	75 °C
PPRO PAR 16 35 36° 4.9 W/3000K GU10 DIM [1)]	Warm White	3000 K	230 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	75 °C
PPRO PAR 16 50 36° 6.5 W/2700K GU10 DIM [1)]	Warm White	2700 K	350 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	
PPRO PAR 16 50 36° 6.5 W/3000K GU10 DIM [1)]	Warm White	3000 K	350 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	
PPRO PAR 16 80 36° 8.7 W/2700K GU10 [1)]	Warm White	2700 K	575 lm	97	1439 cd	36 °	< 0.50 s	62.0 mm	51.0 mm	80 °C
PPRO PAR 16 50 36° 6.5 W/4000K GU10 DIM [1)]	Cool White	4000 K	350 lm	97		36 °	< 0.50 s	55.0 mm	51.0 mm	
PPRO PAR 16 80 36° 8.7 W/3000K GU10 [1)]	Warm White	3000 K	575 lm	97	1439 cd	36 °	< 0.50 s	62.0 mm	51.0 mm	80 °C
PPRO PAR 16 80 36° 8.7 W/4000K GU10 [1)]	Cool White	4000 K	575 lm	97	1439 cd	36 °	< 0.50 s	62.0 mm	51.0 mm	80 °C

	Lifespan		Additional product data			Capabilities	Certificates & standards	
Product description	**Nominal lamp life time**	**Number of switching cycles**	**Base (standard designation)**	**Mercury content**	**Mercury-free**	**Dimmable**	**Energy efficiency class**	**Energy consumption**
PPRO PAR 16 35 36° 3.7 W/2700K GU10 [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A	4 kWh/1000h

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Product description	**Nominal lamp life time**	**Number of switching cycles**	**Base (standard designation)**	**Mercury content**	**Mercury-free**	**Dimmable**	**Energy efficiency class**	**Energy consumption**
PPRO PAR 16 35 36° 3.7 W/3000K GU10 [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A	4 kWh/1000h
PPRO PAR 16 35 36° 3.7 W/4000K GU10 [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A	4 kWh/1000h
PPRO PAR 16 35 36° 4.9 W/2700K GU10 DIM [1)]	40000 h	100000	GU10	0.0 mg	Yes	Yes	A	5 kWh/1000h
PPRO PAR 16 35 36° 4.9 W/4000K GU10 DIM [1)]	40000 h	100000	GU10	0.0 mg	Yes	Yes	A	5 kWh/1000h
PPRO PAR 16 35 36° 4.9 W/3000K GU10 DIM [1)]	40000 h	100000	GU10	0.0 mg	Yes	Yes	A	5 kWh/1000h
PPRO PAR 16 50 36° 6.5 W/2700K GU10 DIM [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A	7 kWh/1000h
PPRO PAR 16 50 36° 6.5 W/3000K GU10 DIM [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A	7 kWh/1000h
PPRO PAR 16 80 36° 8.7 W/2700K GU10 [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A+	8 kWh/1000h
PPRO PAR 16 50 36° 6.5 W/4000K GU10 DIM [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A	7 kWh/1000h
PPRO PAR 16 80 36° 8.7 W/3000K GU10 [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A+	8 kWh/1000h
PPRO PAR 16 80 36° 8.7 W/4000K GU10 [1)]	40000 h	1000000	GU10	0.0 mg	Yes	Yes	A+	8 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

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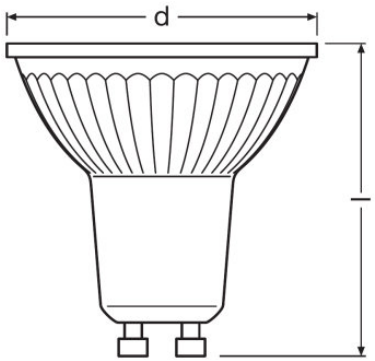

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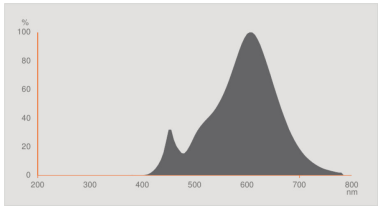

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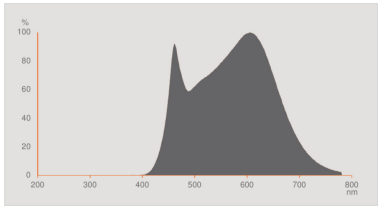

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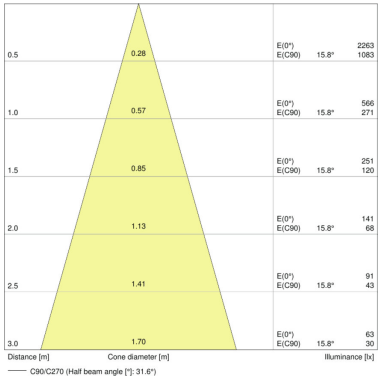

PPRO PAR 16 35 36° 4.9 W/2700K GU10 DIM

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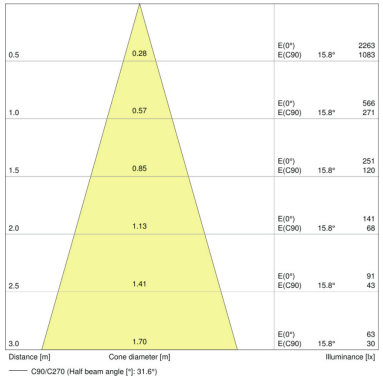

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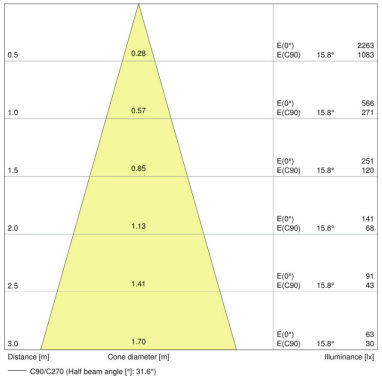

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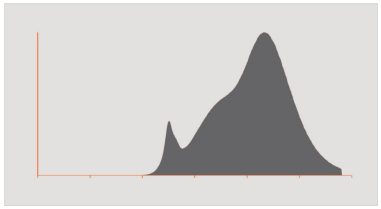
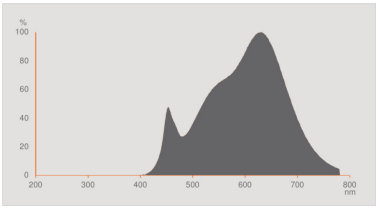


PPRO PAR 16 50 36° 6.5 W/2700K GU10 DIM



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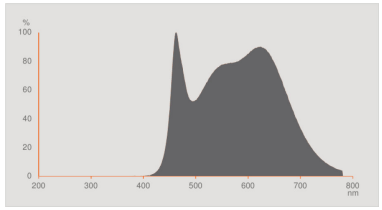

PPRO PAR 16 50 36° 6.5 W/4000K GU10 DIM

APPLICATION ADVICE

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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
4058075260023	Shipping carton box 10	257 mm x 110 mm x 70 mm	603.00 g	1.98 dm^3
4058075260009	Shipping carton box 10	257 mm x 110 mm x 70 mm	603.00 g	1.98 dm^3
4058075259904	Shipping carton box 10	257 mm x 110 mm x 70 mm	603.00 g	1.98 dm^3
4058075095250	Shipping carton box 10	257 mm x 110 mm x 70 mm	598.00 g	1.98 dm^3
4058075095175	Shipping carton box 10	257 mm x 110 mm x 70 mm	598.00 g	1.98 dm^3
4058075095236	Shipping carton box 10	257 mm x 110 mm x 70 mm	598.00 g	1.98 dm^3
4058075095434	Shipping carton box 10	255 mm x 107 mm x 72 mm	713.00 g	1.96 dm^3
4058075095410	Shipping carton box 10	255 mm x 107 mm x 72 mm	711.00 g	1.96 dm^3
4058075260207	Shipping carton box 10	255 mm x 107 mm x 72 mm	895.00 g	1.96 dm^3
4058075095311	Shipping carton box 10	255 mm x 107 mm x 72 mm	723.00 g	1.96 dm^3
4058075260184	Shipping carton box 10	255 mm x 107 mm x 72 mm	895.00 g	1.96 dm^3
4058075260160	Shipping carton box 10	255 mm x 107 mm x 72 mm	892.00 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.

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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

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