

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



TECHNICAL DATA

| Product description | Electrical data | | | Photometrical data | | | | | | | |
|--------------------------------------------------------|-----------------|-----------------|----------------------------------------|-----------------------|---------------------|-------------------|-----------------------------------------|---------------------------|-------------------|---------------|--------------------------|
| | Nominal wattage | Nominal voltage | Claimed equiv. conventional lamp power | Nominal luminous flux | Rated luminous flux | Color temperature | Lumen main.fact.at end of nom.life time | Light color (designation) | Color temperature | Luminous flux | Color rendering index Ra |
| PPRO PAR 16 35 36° 4.5 W/4000 K GU10 DIM ¹⁾ | 4.50 W | 220...240 V | 35 W | 230 lm | 230 lm | 4000 K | 0.70 | Cool White | 4000 K | 230 lm | ≥90 |
| PPRO PAR 16 35 36° 4.9 W/2700 K GU10 DIM ¹⁾ | 4.90 W | 220...240 V | 35 W | 230 lm | 230 lm | 2700 K | 0.70 | Warm White | 2700 K | 230 lm | 97 |
| PPRO PAR 16 35 36° 4.5 W/3000 K GU10 DIM ¹⁾ | 4.50 W | 220...240 V | 35 W | 230 lm | 230 lm | 3000 K | 0.70 | Warm White | 3000 K | 230 lm | ≥90 |
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| PPRO PAR 16 50 36° 6.5 W/2700 K GU10 DIM ¹⁾ | 6.50 W | 220...240 V | 50 W | 350 lm | 350 lm | 2700 K | 0.70 | Warm White | 2700 K | 350 lm | 97 |
| PPRO PAR 16 50 36° 6.5 W/3000 K GU10 DIM ¹⁾ | 6.50 W | 220...240 V | 50 W | 350 lm | 350 lm | 3000 K | 0.70 | Warm White | 3000 K | 350 lm | 97 |
| PPRO PAR 16 50 36° 6.5 W/4000 K GU10 DIM ¹⁾ | 6.50 W | 220...240 V | 50 W | 350 lm | 350 lm | 4000 K | 0.70 | Cool White | 4000 K | 350 lm | 97 |

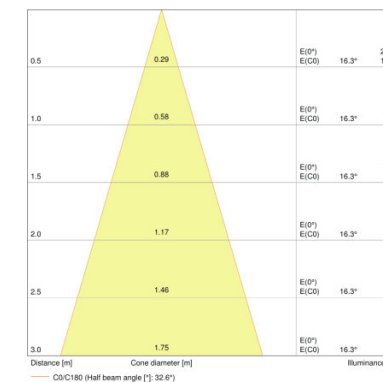
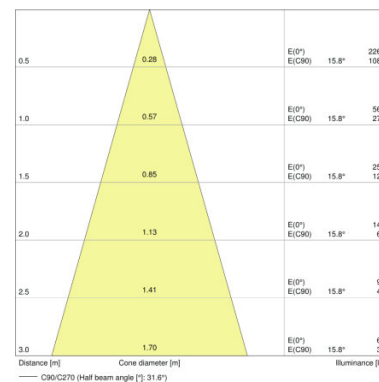
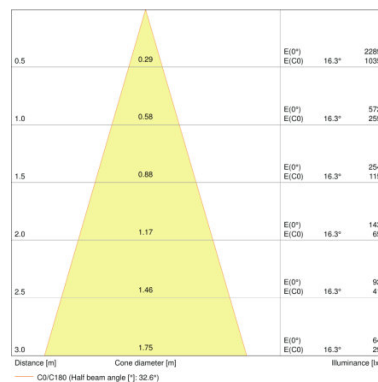
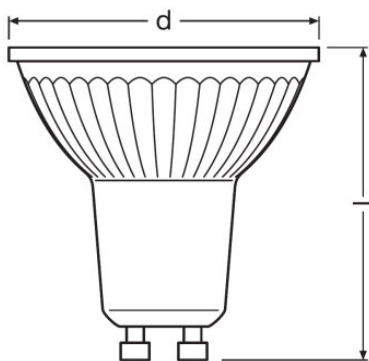
| Product description | Light technical data | | Dimensions & weight | | Temperatures & operating conditions | Lifespan | | Additional product data |
|--------------------------------------------------------|----------------------|---------------------|---------------------|----------|--------------------------------------|------------------------|----------------------------|-----------------------------|
| | Beam angle | Warm-up time (60 %) | Overall length | Diameter | Maximum temperature at tc test point | Nominal lamp life time | Number of switching cycles | Base (standard designation) |
| PPRO PAR 16 35 36° 4.5 W/4000 K GU10 DIM ¹⁾ | 36 ° | < 0.50 s | 55.0 mm | 51.0 mm | 75 °C | 25000 h | 100000 | GU10 |
| PPRO PAR 16 35 36° 4.9 W/2700 K GU10 DIM ¹⁾ | 36 ° | < 0.50 s | 55.0 mm | 51.0 mm | 75 °C | 40000 h | 100000 | GU10 |
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| P PAR 16 35 36° 4.5 W/2700 K GU10 ¹⁾ | 36 ° | < 0.50 s | 55.0 mm | 51.0 mm | 75 °C | 25000 h | 100000 | GU10 |
| PPRO PAR 16 50 36° 6.5 W/2700 K GU10 DIM ¹⁾ | 36 ° | < 0.50 s | 55.0 mm | 51.0 mm | | 40000 h | 100000 | GU10 |
| PPRO PAR 16 50 36° 6.5 W/3000 K GU10 DIM ¹⁾ | 36 ° | < 0.50 s | 55.0 mm | 51.0 mm | | 40000 h | 100000 | GU10 |
| PPRO PAR 16 50 36° 6.5 W/4000 K GU10 DIM ¹⁾ | 36 ° | < 0.50 s | 55.0 mm | 51.0 mm | | 40000 h | 100000 | GU10 |

| Product description | Mercury content | Mercury-free | Capabilities | Certificates & standards | |
|--------------------------------------------------------|-----------------|--------------|--------------|--------------------------|--------------------|
| | | | Dimmable | Energy efficiency class | Energy consumption |
| PPRO PAR 16 35 36° 4.5 W/4000 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | A+ | 5 kWh/1000h |
| PPRO PAR 16 35 36° 4.9 W/2700 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | A | 5 kWh/1000h |
| PPRO PAR 16 35 36° 4.5 W/3000 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | A+ | 5 kWh/1000h |
| PPRO PAR 16 35 36° 4.9 W/4000 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | A | 5 kWh/1000h |
| PPRO PAR 16 35 36° 4.9 W/3000 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | A | 5 kWh/1000h |
| P PAR 16 35 36° 4.5 W/2700 K GU10 ¹⁾ | 0.0 mg | Yes | Yes | A+ | 5 kWh/1000h |
| PPRO PAR 16 50 36° 6.5 W/2700 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | A | 7 kWh/1000h |
| PPRO PAR 16 50 36° 6.5 W/3000 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | A | 7 kWh/1000h |

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| | | | Dimmable | | Energy efficiency class | Energy consumption |
| PPRO PAR 16 50 36° 6.5 W/4000 K GU10 DIM ¹⁾ | 0.0 mg | Yes | Yes | | A | 7 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

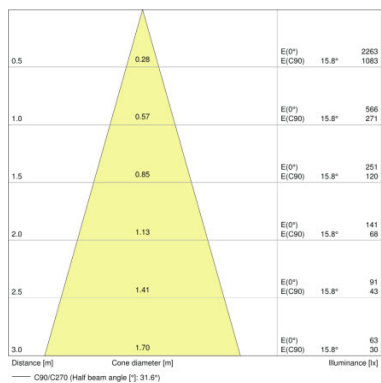


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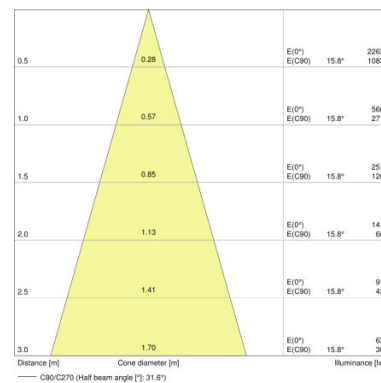
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PPRO PAR 16 35 36° 4.9 W/2700 K GU10 DIM

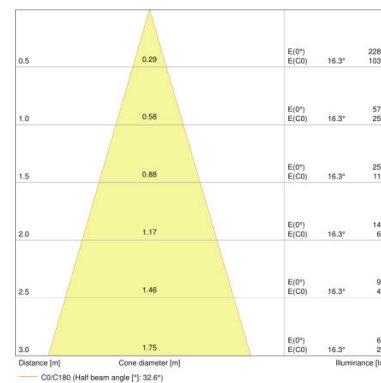
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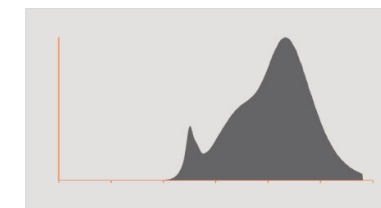
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GU10 DIM



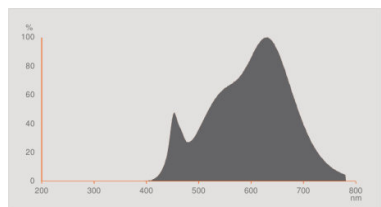
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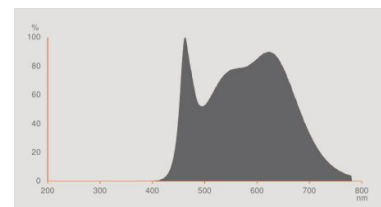
P PAR 16 35 36° 4.5 W/2700 K GU10



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



PPRO PAR 16 50 36° 6.5 W/3000 K
GU10 DIM



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

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 |
|---------------|------------------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4058075095144 | PPRO PAR 16 35 36° 4.5 W/4000 K GU10 DIM | Shipping carton box 10 | 257 mm x 110 mm x 70 mm | 1.98 dm ³ | 598.00 g |
| 4058075095243 | PPRO PAR 16 35 36° 4.9 W/2700 K GU10 DIM | Shipping carton box 10 | 257 mm x 110 mm x 70 mm | 1.98 dm ³ | 598.00 g |
| 4058075095182 | PPRO PAR 16 35 36° 4.5 W/3000 K GU10 DIM | Shipping carton box 10 | 257 mm x 110 mm x 70 mm | 1.98 dm ³ | 598.00 g |
| 4058075095168 | PPRO PAR 16 35 36° 4.9 W/4000 K GU10 DIM | Shipping carton box 10 | 257 mm x 110 mm x 70 mm | 1.98 dm ³ | 598.00 g |
| 4058075095229 | PPRO PAR 16 35 36° 4.9 W/3000 K GU10 DIM | Shipping carton box 10 | 257 mm x 110 mm x 70 mm | 1.98 dm ³ | 598.00 g |
| 4058075095205 | P PAR 16 35 36° 4.5 W/2700 K GU10 | Shipping carton box 10 | 257 mm x 110 mm x 70 mm | 1.98 dm ³ | 598.00 g |
| 4058075095427 | PPRO PAR 16 50 36° 6.5 W/2700 K GU10 DIM | Shipping carton box 10 | 255 mm x 107 mm x 72 mm | 1.96 dm ³ | 610.00 g |
| 4058075095403 | PPRO PAR 16 50 36° 6.5 W/3000 K GU10 DIM | Shipping carton box 10 | 255 mm x 107 mm x 72 mm | 1.96 dm ³ | 610.00 g |
| 4058075095304 | PPRO PAR 16 50 36° 6.5 W/4000 K GU10 DIM | Shipping carton box 10 | 255 mm x 107 mm x 72 mm | 1.96 dm ³ | 610.00 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 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.