

# Product family datasheet

## PARATHOM DIM PAR 16

Dimmable LED reflector lamps PAR16 with retrofit pin base



- 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

- 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 high voltage halogen lamps Good color rendering index  $R_a \geq 90$  High color consistency:  $\leq 5$  SDCM Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)) Made in Germany (versions up to incl. 50 W) Mercury-free lamps Product benefits 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 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. Outdoor applications only in suitable luminaires References / Links For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim) For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps) For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)



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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) | Beam angle           | Nominal beam angle |
| P DIM PAR16 3.7 W/927 GU10 | 3.70 W          | 220...240 V     | 230 lm                | 2700 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 3.7 W/930 GU10 | 3.70 W          | 220...240 V     | 230 lm                | 3000 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 5.5 W/927 GU10 | 5.50 W          | 220...240 V     | 350 lm                | 2700 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 5.5 W/930 GU10 | 5.50 W          | 220...240 V     | 350 lm                | 3000 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 5.5 W/940 GU10 | 5.50 W          | 220...240 V     | 350 lm                | 4000 K                  | Cool White                | 36 °                 | 36 °               |
| P DIM PAR16 4.5 W/927 GU10 | 4.50 W          | 220...240 V     | 230 lm                | 2700 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 4.5 W/930 GU10 | 4.50 W          | 220...240 V     | 230 lm                | 3000 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 5.9 W/927 GU10 | 5.90 W          | 220...240 V     | 350 lm                | 2700 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 5.9 W/930 GU10 | 5.90 W          | 220...240 V     | 350 lm                | 3000 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 5.9 W/940 GU10 | 5.90 W          | 220...240 V     | 350 lm                | 4000 K                  | Cool White                | 36 °                 | 36 °               |
| P DIM PAR16 8 W/827 GU10   | 8.00 W          | 220...240 V     | 575 lm                | 2700 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 8 W/830 GU10   | 8.00 W          | 220...240 V     | 575 lm                | 3000 K                  | Warm White                | 36 °                 | 36 °               |
| P DIM PAR16 8 W/840 GU10   | 8.00 W          | 220...240 V     | 575 lm                | 4000 K                  | Cool White                | 36 °                 | 36 °               |
| P DIM PAR16 8 W/827 GU10   | 8.00 W          | 220...240 V     | 575 lm                | 2700 K                  | Warm White                | 60 °                 | 60 °               |
| P DIM PAR16 8 W/830 GU10   | 8.00 W          | 220...240 V     | 575 lm                | 3000 K                  | Warm White                | 60 °                 | 60 °               |
| P DIM PAR16 8 W/830 GU10   | 8.00 W          | 220...240 V     | 575 lm                | 3000 K                  | Warm White                | 120 °                | 120 °              |
| P DIM PAR16 8 W/840 GU10   | 8.00 W          | 220...240 V     | 575 lm                | 4000 K                  | Cool White                | 120 °                | 120 °              |
| P DIM PAR16 9.6 W/830 GU10 | 9.60 W          | 220...240 V     | 750 lm                | 3000 K                  | Warm White                | 36 °                 | 36 °               |

| Product description        | Rated beam angle (half peak value) | Starting time | Dimensions & weight | Lifespan               |                      |                            | Additional product data     |
|----------------------------|------------------------------------|---------------|---------------------|------------------------|----------------------|----------------------------|-----------------------------|
|                            |                                    |               | Overall length      | Nominal lamp life time | Rated lamp life time | Number of switching cycles | Base (standard designation) |
| P DIM PAR16 3.7 W/927 GU10 | 36.00 °                            | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 3.7 W/930 GU10 | 36.00 °                            | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 5.5 W/927 GU10 | 36.00 °                            | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |

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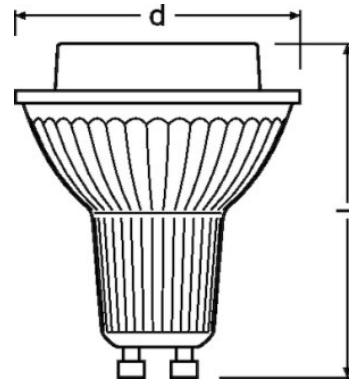
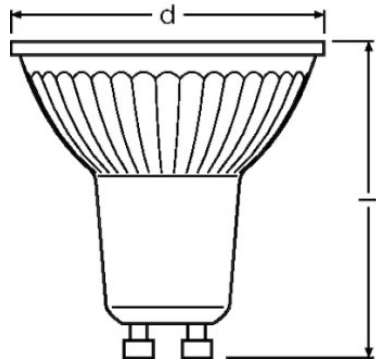
| Product description        | Rated beam angle<br>(half peak value) | Starting time | Dimensions & weight | Lifespan               |                      |                            | Additional product data     |
|----------------------------|---------------------------------------|---------------|---------------------|------------------------|----------------------|----------------------------|-----------------------------|
|                            |                                       |               | Overall length      | Nominal lamp life time | Rated lamp life time | Number of switching cycles | Base (standard designation) |
| P DIM PAR16 5.5 W/930 GU10 | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 5.5 W/940 GU10 | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 4.5 W/927 GU10 | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 4.5 W/930 GU10 | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 5.9 W/927 GU10 | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 5.9 W/930 GU10 | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 5.9 W/940 GU10 | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 8 W/827 GU10   | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 8 W/830 GU10   | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 8 W/840 GU10   | 36.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 8 W/827 GU10   | 60.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 8 W/830 GU10   | 60.00 °                               | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 8 W/830 GU10   | 120.00 °                              | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 8 W/840 GU10   | 120.00 °                              | < 0.5 s       | 55.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |
| P DIM PAR16 9.6 W/830 GU10 | 36.00 °                               | < 0.5 s       | 62.0 mm             | 25000 h                | 25000 h              | 100000                     | GU10                        |

| Product description        | Capabilities | Certificates & standards |                    | Country specific categorizations |
|----------------------------|--------------|--------------------------|--------------------|----------------------------------|
|                            | Dimmable     | Energy efficiency class  | Energy consumption | Order reference                  |
| P DIM PAR16 3.7 W/927 GU10 | Yes          | A+                       | 4 kWh/1000h        | LPPAR16D3536 3,                  |
| P DIM PAR16 3.7 W/930 GU10 | Yes          | A+                       | 4 kWh/1000h        | LPPAR16D3536 3,                  |
| P DIM PAR16 5.5 W/927 GU10 | Yes          | A+                       | 6 kWh/1000h        | LPPAR16D5036 5,                  |
| P DIM PAR16 5.5 W/930 GU10 | Yes          | A+                       | 6 kWh/1000h        | LPPAR16D5036 5,                  |
| P DIM PAR16 5.5 W/940 GU10 | Yes          | A+                       | 6 kWh/1000h        | LPPAR16D5036 5,                  |
| P DIM PAR16 4.5 W/927 GU10 | Yes          | A+                       | 5 kWh/1000h        | LPPAR16D3536 4,                  |

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|                            | Capabilities | Certificates & standards |                    | Country specific categorizations |
|----------------------------|--------------|--------------------------|--------------------|----------------------------------|
| Product description        | Dimmable     | Energy efficiency class  | Energy consumption | Order reference                  |
| P DIM PAR16 4.5 W/930 GU10 | Yes          | A+                       | 5 kWh/1000h        | LPPAR16D3536 4,                  |
| P DIM PAR16 5.9 W/927 GU10 | Yes          | A+                       | 6 kWh/1000h        | LPPAR16D5036 5,                  |
| P DIM PAR16 5.9 W/930 GU10 | Yes          | A+                       | 6 kWh/1000h        | LPPAR16D5036 5,                  |
| P DIM PAR16 5.9 W/940 GU10 | Yes          | A+                       | 6 kWh/1000h        | LPPAR16D5036 5,                  |
| P DIM PAR16 8 W/827 GU10   | Yes          | A+                       | 8 kWh/1000h        | LPPAR16D8036 8W                  |
| P DIM PAR16 8 W/830 GU10   | Yes          | A+                       | 8 kWh/1000h        | LPPAR16D8036 8W                  |
| P DIM PAR16 8 W/840 GU10   | Yes          | A+                       | 8 kWh/1000h        | LPPAR16D8036 8W                  |
| P DIM PAR16 8 W/827 GU10   | Yes          | A+                       | 8 kWh/1000h        | LPPAR16D8060 8W                  |
| P DIM PAR16 8 W/830 GU10   | Yes          | A+                       | 8 kWh/1000h        | LPPAR16D8060 8W                  |
| P DIM PAR16 8 W/830 GU10   | Yes          | A+                       | 8 kWh/1000h        | LPPR16D80120 8W                  |
| P DIM PAR16 8 W/840 GU10   | Yes          | A+                       | 8 kWh/1000h        | LPPR16D80120 8W                  |
| P DIM PAR16 9.6 W/830 GU10 | Yes          | A+                       | 10 kWh/1000h       | LPPR16D10036 9,                  |

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P DIM PAR16 3.7 W/927 GU10, P DIM PAR16 3.7 W/930 GU10, P DIM PAR16 5.5 W/927 GU10, P DIM PAR16 5.5 W/930 GU10, P DIM PAR16 5.5 W/940 GU10, P DIM PAR16 4.5 W/927 GU10, P DIM PAR16 4.5 W/930 GU10, P DIM PAR16 5.9 W/927 GU10, P DIM PAR16 5.9 W/930 GU10, P DIM PAR16 5.9 W/940 GU10, P DIM PAR16 8 W/827 GU10, P DIM PAR16 8 W/830 GU10, P DIM PAR16 8 W/840 GU10, P DIM PAR16 8 W/827 GU10, P DIM PAR16 8 W/830 GU10, P DIM PAR16 8 W/830 GU10, P DIM PAR16 8 W/840 GU10

P DIM PAR16 9.6 W/830 GU10

## Application advice

## Product family datasheet

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 |
|---------------|----------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4058075259973 | P DIM PAR16 3.7 W/927 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075259959 | P DIM PAR16 3.7 W/930 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075260139 | P DIM PAR16 5.5 W/927 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075260115 | P DIM PAR16 5.5 W/930 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075260054 | P DIM PAR16 5.5 W/940 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075095205 | P DIM PAR16 4.5 W/927 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075095182 | P DIM PAR16 4.5 W/930 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075095380 | P DIM PAR16 5.9 W/927 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075095366 | P DIM PAR16 5.9 W/930 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075095281 | P DIM PAR16 5.9 W/940 GU10 | Shipping carton box<br>10    | 257 mm x 110 mm x 70 mm              | 1.98 dm <sup>3</sup> | 595.00 g     |
| 4058075095489 | P DIM PAR16 8 W/827 GU10   | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 680.00 g     |

## Product family datasheet

| Product code  | Product description        | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume               | Gross weight |
|---------------|----------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4058075095465 | P DIM PAR16 8 W/830 GU10   | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 680.00 g     |
| 4058075095441 | P DIM PAR16 8 W/840 GU10   | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 680.00 g     |
| 4058075095540 | P DIM PAR16 8 W/827 GU10   | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 680.00 g     |
| 4058075095526 | P DIM PAR16 8 W/830 GU10   | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 680.00 g     |
| 4058075095588 | P DIM PAR16 8 W/830 GU10   | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 680.00 g     |
| 4058075095564 | P DIM PAR16 8 W/840 GU10   | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 680.00 g     |
| 4058075096561 | P DIM PAR16 9.6 W/830 GU10 | Shipping carton box<br>10    | 255 mm x 107 mm x 72 mm              | 1.96 dm <sup>3</sup> | 890.00 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.osram.com/DIM](http://www.osram.com/DIM)

For further products and actual information concerning LED lamps see

- ▶ [www.osram.com/ledlamps](http://www.osram.com/ledlamps)

For Guarantee see

- ▶ [www.osram.com/guarantee](http://www.osram.com/guarantee)

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### Disclaimer

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

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