

LED SUPERSTAR PAR16 advanced

Dimmable LED reflector lamps PAR16 with retrofit pin base



Areas of application

- Spotlighting for accents
- Domestic applications
- All domestic rooms, especially where the lamps are visible
- Direct and indirect lighting
- Outdoor applications only in suitable luminaires
- Directional light sources

Product benefits

- Ideal for economical spotlighting
- Alternative to line-voltage halogen lamps
- Very low energy consumption
- Extremely long life
- No UV and near-IR radiation in the light beam
- Shockproof and vibration-proof thanks to LED technology
- Efficient generation of white light
- Professional thermal management

Product features

- Affordable LED lamp for line voltage
- Dimmable (with many common dimmers, see also www.osram.com/dim)
- Base: GU10
- Mercury-free lamps
- Lifetime: up to 25,000 h



Product family datasheet

Technical data

| Product description | Electrical data | | | | Photometrical data | | | | | Light technical data |
|---|-----------------|-----------------|--|---------------------|--------------------|-----------------------|-------------------|--------------------------|---------------------------|----------------------|
| | Nominal wattage | Nominal voltage | Claimed equiv. conventional lamp power | Rated luminous flux | Luminous intensity | Nominal luminous flux | Color temperature | Color rendering index Ra | Light color (designation) | Beam angle |
| LED SUPERSTAR PAR16 35 36° ADV 3.6 W/827 GU10 ¹⁾ | 3.60 W | 220...240 V | 35 W | 230 lm | 565 cd | 230 lm | 2700 K | 80 | Warm White | 36 ° |
| LED SUPERSTAR PAR16 35 36° ADV 3.6 W/840 GU10 ¹⁾ | 3.60 W | 220...240 V | 35 W | 230 lm | 565 cd | 230 lm | 4000 K | 80 | Cool White | 36 ° |
| LED SUPERSTAR PAR16 50 36° ADV 5.3 W/827 GU10 ¹⁾ | 5.30 W | 220...240 V | 50 W | 350 lm | 850 cd | 350 lm | 2700 K | 80 | Warm White | 36 ° |
| LED SUPERSTAR PAR16 50 36° ADV 5.3 W/840 GU10 ¹⁾ | 5.30 W | 220...240 V | 50 W | 350 lm | 850 cd | 350 lm | 4000 K | | Cool White | 36 ° |

| Product description | Warm-up time (60 %) | Dimensions & weight | | Lifespan | | | Additional product data | | | Capabilities |
|---|---------------------|---------------------|----------|------------------------|----------------------------|--|-----------------------------|----------------------|--------------|-------------------|
| | | Overall length | Diameter | Nominal lamp life time | Number of switching cycles | Lumen main. fact. at end of nom. life time | Base (standard designation) | Lamp mercury content | Mercury-free | Dimmable |
| LED SUPERSTAR PAR16 35 36° ADV 3.6 W/827 GU10 ¹⁾ | < 0.50 s | 58.0 mm | 50.0 mm | 25000 h | 100000 | 0.70 | GU10 | 0.0 mg | Yes | Yes ²⁾ |
| LED SUPERSTAR PAR16 35 36° ADV 3.6 W/840 GU10 ¹⁾ | < 0.50 s | 58.0 mm | 50.0 mm | 25000 h | 100000 | 0.70 | GU10 | 0.0 mg | Yes | Yes ²⁾ |
| LED SUPERSTAR PAR16 50 36° ADV 5.3 W/827 GU10 ¹⁾ | < 0.50 s | 58.0 mm | 50.0 mm | 25000 h | 100000 | 0.70 | GU10 | 0.0 mg | Yes | Yes ²⁾ |
| LED SUPERSTAR PAR16 50 36° ADV 5.3 W/840 GU10 ¹⁾ | < 0.50 s | 58.0 mm | 50.0 mm | 25000 h | 100000 | 0.70 | GU10 | 0.0 mg | Yes | Yes ²⁾ |

Product family datasheet

| Product description | Certificates & standards | Country specific categorizations |
|---|--------------------------|----------------------------------|
| | Energy efficiency class | ILCOS |
| LED SUPERSTAR PAR16 35 36° ADV 3.6 W/827 GU10 ¹⁾ | A+ | DRPAR-4,8-220-240-GU10-50/36 |
| LED SUPERSTAR PAR16 35 36° ADV 3.6 W/840 GU10 ¹⁾ | A+ | DRPAR-4,8-220-240-GU10-50/36 |
| LED SUPERSTAR PAR16 50 36° ADV 5.3 W/827 GU10 ¹⁾ | A+ | DRPAR-7,5-220-240-GU10-50/36 |
| LED SUPERSTAR PAR16 50 36° ADV 5.3 W/840 GU10 ¹⁾ | A+ | DRPAR-7,5-220-240-GU10-50/36 |

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/LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance)

²⁾ With many common dimmers

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 |
|---------------|---|------------------------------|--------------------------------------|----------------------|--------------|
| 4008321882653 | LED SUPERSTAR PAR16 35 36° ADV 3.6 W/827 GU10 | Shipping carton box 6 | 351 mm x 100 mm x 139 mm | 4.88 dm ³ | 727.00 g |
| 4008321882684 | LED SUPERSTAR PAR16 35 36° ADV 3.6 W/840 GU10 | Shipping carton box 6 | 351 mm x 100 mm x 139 mm | 4.88 dm ³ | 710.00 g |
| 4008321882714 | LED SUPERSTAR PAR16 50 36° ADV 5.3 W/827 GU10 | Shipping carton box 6 | 351 mm x 100 mm x 139 mm | 4.88 dm ³ | 805.00 g |

Product family datasheet

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|--|------------------------------|--------------------------------------|----------------------|--------------|
| 4008321882745 | LED SUPERSTAR PAR16 50 36° ADV 5.3 W/840 GU10 | Shipping carton box 6 | 351 mm x 100 mm x 139 mm | 4.88 dm ³ | 775.00 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

For further products and actual information concerning LED lamps see

▶ www.osram.com/ledlamps

For Guarantee see

▶ www.osram.com/guarantee

Disclaimer

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