# PRODUCT DATASHEET
# SST PAR 16 50 36 ° 4.5 W/2700 K GU10 DIM

## LED SUPERSTAR 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.
- Outdoor applications only in suitable luminaires

### 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

### Product features

- LED alternative to conventional high voltage lamps
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Mercury-free lamps

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## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 4.5 W |
| Construction wattage | 4.50 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 50 W |
| Nominal current | 27 mA |
| Type of current | AC |
| Inrush current | 2 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 80 |
| Max. lamp no. on circuit break. 16 A (B) | 130 |
| Power factor λ | 0.70 |

### Photometrical data

| | |
|---|---|
| Luminous intensity | 690 cd |
| Luminous flux | 350 lm |
| Nominal useful luminous flux 90° | 350 lm |
| Luminous efficacy | 77 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | ≥90 |
| Light color | 927 |
| Standard deviation of color matching | ≤5 sdcm |
| Rated peak intensity | 690 cd |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |


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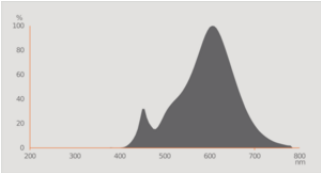


## Light technical data

| | |
|---|---|
| Beam angle | 36 ° |
| Warm-up time (60 %) | ‹ 0.50 s |
| Starting time | < 0.5 s |
| Rated beam angle (half peak value) | 36.00 ° |

## Dimensions & Weight

| | |
|---|---|
| Overall length | 54.00 mm |
| Diameter | 51.00 mm |
| Maximum diameter | 51 mm |
| Product weight | 41.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 87 °C |

## Lifespan

| | |
|---|---|
| Nominal lamp life time | 25000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of serv | 0.70 |
| Rated lamp survival factor at 6,000 | ≥ 0.90 |

## Additional product data

| | |
|---|---|
| Base (standard designation) | GU10 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Product remark | 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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## Capabilities

| | |
|---|---|
| Dimmable | Yes |

## Certificates & Standards

| | |
|---|---|
| Energy efficiency class | F [1)] |
| Energy consumption | 5.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / EAC |
| Photobiological safety group acc. to EN62778 | RG1 |

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

## Country-specific categorizations

| | |
|---|---|
| Order reference | LSSPR16D5036 4, |

## Energy labellling regulation data acc EU 2019/2015

| | |
|---|---|
| Lighting technology used | LED |
| Non-directional or directional | DLS |
| Mains or non-mains | MLS |
| Light source cap-type (or other electric interface) | GU10 |
| Connected light source (CLS) | No |
| Color-tuneable light source | No |
| Envelope | No |
| High luminance light source | No |
| Anti-glare shield | No |
| Correlated colour temperature type | SINGLE_VALUE |
| Claim of equivalent power | Yes |
| Length | 54.00 mm |
| Height | 51.00 mm |
| Width | 51.00 mm |
| Chromaticity coordinate x | 0.455 |
| Chromaticity coordinate y | 0.402 |
| Beam angle | NARROW_CONE_90 |
| Survival factor | 0.50 |
| Displacement factor | 0.70 |
| LED light source replaces a fluorescent light source | not applicable |
| EPREL ID | 522956,522956 |


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| | |
|---|---|
| Model number | AC33736,AC33736 |

## DOWNLOAD DATA

| | DOWNLOAD DATA |
|---|---|
| PDF | PRODUCT DATASHEET<br>SSTPAR16D5036 5,5W/927230VGU1010XFC1OSRAM |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075112544 | Folding box<br>1 | 49 mm x 49 mm x 95 mm | 51.00 g | 0.23 $dm^3$ |
| 4058075112551 | Shipping box<br>10 | 257 mm x 110 mm x 70 mm | 522.00 g | 1.98 $dm^3$ |
| 4058075616783 | Shipping box<br>6 | 159 mm x 110 mm x 70 mm | 382.00 g | 1.22 $dm^3$ |

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

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