

# PRODUCT DATASHEET SST PAR 16 50 36 ° 6.5 W/2700 K GU10

LED STAR+ PAR16 | LED reflector lamps PAR16 with retrofit pin base



#### Areas of application

- Spotlighting for accents
- Display cabinets and shop windows
- Retail outlets and exhibition rooms
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor use in outdoor luminaires only (minimum IP65)
- Hospitality
- Shops

## 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
- HD light quality for realistic color rendering effect

#### **Product features**

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Base: GU10
- Mercury-free lamps



- Lifetime up to 40,000 h
- HD light quality for very good, powerful colors and brilliant contrasts

## TECHNICAL DATA

## Electrical data

| Nominal wattage                        | 6.5 W    |
|--|----------|
| Construction wattage                   | 6.50 W   |
| Nominal voltage                        | 220240 V |
| Claimed equiv. conventional lamp power | 50 W     |
| Nominal current                        | 35 mA    |
| Type of current                        | AC       |
| Inrush current                         | 0.74 A   |
| Operating frequency                    | 5060 Hz  |
| Mains frequency                        | 5060 Hz  |
| Max. lamp number on MCB B10 A          | 344      |
| Max. lamp number on MCB B16 A          | 551      |
| Power factor $\lambda$                 | > 0.50   |

## Photometrical data

| Luminous intensity                      | 880 cd     |
|---|------------|
| Luminous flux                           | 350 lm     |
| Nominal useful luminous flux 90°        | 350 lm     |
| Luminous efficacy                       | 53 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                | 97         |
| Light color                             | 927        |
| Standard deviation of color matching    | ≤3 sdcm    |
| Rated peak intensity                    | 880 cd     |
| Rated LLMF at 6,000 h                   | 0.80       |



OS GW P9LT31.CM 10 C 2700K

# Light technical data

| Beam angle          | 36 °     |
|---------------------|----------|
| Warm-up time (60 %) | < 0.50 s |
| Starting time       | < 0.5 s  |

# Dimensions & Weight

| Overall length   | 55.00 mm |
|------------------|----------|
| Diameter         | 51.00 mm |
| Maximum diameter | 51 mm    |
| Product weight   | 48.00 g  |

# Temperatures & operating conditions

| Ambient temperature range            | -20+40 °C |
|--------------------------------------|-----------|
| Maximum temperature at tc test point | 81 °C     |

# Lifespan

| Number of switching cycles                   | 1000000 |
|--|---------|
| Lumen maintenance at end of service lifetime | 0.70    |
| Rated lamp survival factor at 6,000 h        | ≥ 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 |

# Capabilities

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

## Certificates & Standards

| Energy efficiency class | A 1)           |
|-------------------------|----------------|
| Energy consumption      | 7.00 kWh/1000h |
| Type of protection      | IP20           |
| Standards               | CE / EAC       |

## Country-specific categorizations

| ILCOS           | DRPAR-6,1/927-220-240-GU10-50/36 |
|-----------------|----------------------------------|
| Order reference | LSPAR16D50366,5                  |

## Energy labelling regulation data acc EU 2019/2015

| Light source cap-type (or other electric interface) | GU10     |
|---|----------|
| Length  | 55.00 mm |
| Height  | 51.00 mm |
| Width   | 51.00 mm |

#### **DOWNLOAD DATA**

| Photometric and lighting design files | Document name              |
|---------------------------------------|----------------------------|
| Spectral power distribution           | OS GW P9LT31.CM 10 C 2700K |

## LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume               |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075035553 | Blister<br>1                 | 50 mm x 140 mm x 120 mm              | 60.00 g      | 0.84 dm <sup>3</sup> |
| 4058075035560 | Shipping box<br>10           | 290 mm x 254 mm x 134 mm             | 860.00 g     | 9.87 dm <sup>3</sup> |

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.

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)