# PRODUCT DATASHEET
## SST PLUS SPOT MR16 35 36 ° 5 W/2700 K GU5.3

### LED SUPERSTAR PLUS MR16 | Dimmable LED reflector lamps MR16 with pin base, natural daylight

### Areas of application

– Shops and exhibition rooms
– Domestic applications
– Commercial applications
– Accent lighting
– Outdoor use in suitable outdoor luminaires only

### Product benefits

– Quick, simple and safe replacement without rewiring
– Design, dimensions, luminous flux comparable to a halogen lamp
– Natural light spectrum with outstanding color rendering of CRI>90
– Greatly reduced blue component
– Improved visual comfort and reduced eye strain
– Low maintenance costs and cost savings thanks to long lifetime
– Low flickering

### Product features

- LED alternative to conventional low voltage lamps
- Dimmable
- Base: GU5.3
- Color rendering index $R_a$: ≥ 90
- Lamp made of glass

## TECHNICAL DATA

### Electrical data

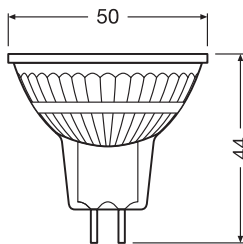| | |
|---|---|
| Nominal wattage | 5 W |
| Construction wattage | 5.00 W |
| Nominal voltage | 12 V |
| Claimed equiv. conventional lamp power | 35 W |
| Nominal current | 490 mA |
| Type of current | AC/DC |
| Inrush current | 0.032 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 43 |
| Max. lamp no. on circuit break. 16 A (B) | 54 |
| Total harmonic distortion | ≤ 50 % |
| Power factor λ | ≥ 0.70 |

### Photometrical data

| | |
|---|---|
| Luminous intensity | 700 cd |
| Luminous flux | 350 lm |
| Nominal useful luminous flux 90° | 350 lm |
| Luminous efficacy | 70 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 | ≤6 sdcm |
| Rated peak intensity | 700 cd |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |

## 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 | 44.00 mm |
| Diameter | 50.00 mm |
| Maximum diameter | 50 mm |
| Product weight | 38.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 96 °C |

## Lifespan

| | |
|---|---|
| Lifespan | 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) | GU5.3 |
|---|---|
| Mercury content | 0.0 mg |
| Mercury-free | Yes |

## Capabilities

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

## Certificates & Standards

| Energy efficiency class | G [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 | LSSPMR163536 5W |
|---|---|

## Energy labelling regulation data acc EU 2019/2015

| Lighting technology used | LED |
|---|---|
| Non-directional or directional | DLS |
| Mains or non-mains | NMLS |
| Light source cap-type (or other electric interface) | GU5.3 |
| 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 |
| Standby power | 0 W |
| Networked standby power for CLS | 0 W |
| Claim of equivalent power | Yes |
| Length | 44.00 mm |
| Height | 50.00 mm |

| | |
|---|---|
| Width | 50.00 mm |
| Chromaticity coordinate x | 0.458 |
| Chromaticity coordinate y | 0.410 |
| R9 Colour rendering index | 50 |
| Beam angle correspondence | NARROW_CONE_90 |
| Survival factor | 0.90 |
| Displacement factor | / |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 642826 |
| Model number | AC35791 |

## DOWNLOAD DATA

| | DOWNLOAD DATA |
|---|---|
| PDF | Declarations Of Conformity CE |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075613201 | Folding box 1 | 49 mm x 49 mm x 95 mm | 48.00 g | 0.23 dm³ |
| 4058075613218 | Shipping box 6 | 168 mm x 111 mm x 71 mm | 363.00 g | 1.32 dm³ |

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 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.