# PRODUCT DATASHEET
# SMART+ MR16 35 36° 5 W/0 K GU5.3 TW

**SMART+ SPOT GU5.3 TW | LED retrofit reflector lamps with smart home technology, color temperature adjustable**




## AREAS OF APPLICATION

- General illumination
- Outdoor applications only in suitable luminaires

## PRODUCT BENEFITS

- Easy to install and use
- Up to 80 % less energy consumption compared to halogen lamps
- Contains no mercury

## PRODUCT FEATURES

- Low voltage LED MR16 reflector lamp with wireless smart lighting function
- Adjustable light color via Tunable White: Warm White to Cool White (2,700 K...6,500 K)
- Dimmable
- Network protocol: ZigBee LL 2.0
- Lifetime: up to 25,000 h
- Controllable via compatible smart home system (gateway and app) or SMART+ Switch
- For full functionality connection to a compatible smart home System (gateway and app) required




© 2018, LEDVANCE GmbH. All rights reserved.

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| **Rated wattage** | 5.00 W |
| **Power factor λ** | > 0.50 |
| **Nominal wattage** | 5.00 W |
| **Nominal voltage** | 12 V |
| **Claimed equiv. conventional lamp power** | 35 W |

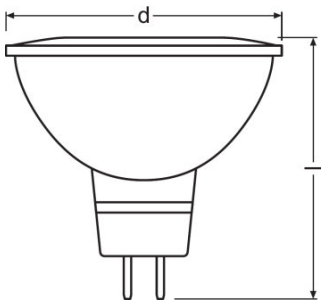
### Photometrical data

| | |
|---|---|
| **Light color (designation)** | Tunable White |
| **Lumen main.fact.at end of nom.life time** | 0.70 |
| **Standard deviation of color matching** | ≤6 sdcm |
| **Adjustable color temperature** | 2700...6500 K |
| **Rated luminous flux** | 350 lm |
| **Nominal luminous flux** | 350 lm |
| **Color rendering index Ra** | 80 |
| **Nominal useful luminous flux 90°** | 350 lm |
| **Rated useful luminous flux 90°** | 350 lm |
| **Rated peak intensity** | 770 cd |

### Light technical data

| | |
|---|---|
| **Beam angle** | 36 ° |
| **Starting time** | < 1.0 s |
| **Light control** | Adjustable color temperature |
| **Warm-up time (60 %)** | < 1.00 s |
| **Nominal beam angle** | 36 ° |
| **Rated beam angle (half peak value)** | 36.00 ° |

### Dimensions & weight





© 2018, LEDVANCE GmbH. All rights reserved.

| | |
|---|---|
| **Product weight** | 74.00 g |
| **Outer bulb** | MR51 |
| **Length** | 51.0 mm |
| **Diameter** | 50.0 mm |
| **Overall length** | 51.0 mm |
| **Maximum diameter** | 50.0 mm |

### Lifespan

| | |
|---|---|
| **Number of switching cycles** | 100000 |
| **Rated lamp life time** | 20000 h |
| **Nominal lamp life time** | 20000 h |
| **Lumen maintenance at end of service life** | 0.70 |

### Additional product data

| | |
|---|---|
| **Mercury-free** | Yes |
| **Show WEEE picto** | 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/Reset settings to default by switching the product on for five seconds and off for five seconds and repeating this five times. |
| **Base (standard designation)** | GU5.3 |

### Capabilities

| | |
|---|---|
| **Dimmable** | Yes |
| **Compatible smart home technology** | ZigBee |

### Certificates & standards

| | |
|---|---|
| **Energy efficiency class** | A |
| **Energy consumption** | 5 kWh/1000h |

## EQUIPMENT / ACCESSORIES

- Control via app requires LIGHTIFY system (app and gateway) or other compatible Smart home system

## LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 4058075816657 | SMART+ MR16 35 36° 5 W/0 K GU5.3 TW | Shipping carton box 4 | 173 mm x 108 mm x 141 mm | 2.63 dm³ | 552.00 g |


© 2018, LEDVANCE GmbH. All rights reserved.

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.

## DISCLAIMER

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


© 2018, LEDVANCE GmbH. All rights reserved.