

## PRODUCT DATASHEET

### LED Superstar PAR16 25 120° RGBW Remote Control 2.9W 827 Frosted GU10

LED Retrofit RGBW lamps with remote control | Consumer LED RGBW lamps with remote control



#### Areas of application

- Domestic applications
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Easy installation
- Lower energy consumption than incandescent or halogen lamps
- Individual control
- No app or smartphone required to control the lamp
- Comfortable and intuitive infrared remote control
- Switching, dimming in 4 steps and color control with the push of a button
- Color loops for dynamic color changes

#### Product features

- Lifetime up to 25,000 h
- Allows for control of colors, saturation and dimming levels
- Wide range of controllable light colors including white
- Four dynamic effects: Flash, Strobe, Smooth, Mode



- Dimmable via remote control

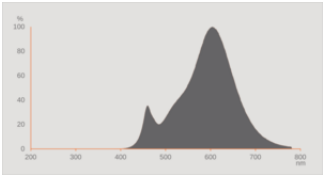
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**TECHNICAL DATA****Electrical data**

|                                        |             |
|----------------------------------------|-------------|
| Nominal wattage                        | 2.9 W       |
| Construction wattage                   | 2.90 W      |
| Nominal voltage                        | 220...240 V |
| Operating mode                         | AC Mains    |
| Claimed equiv. conventional lamp power | 25 W        |
| Nominal current                        | 32 mA       |
| Type of current                        | AC          |
| Inrush current                         | 3.8 A       |
| Operating frequency                    | 50/60 Hz    |
| Mains frequency                        | 50/60 Hz    |
| Max. lamp number on MCB B10 A          | 157         |
| Max. lamp number on MCB B16 A          | 197         |
| Total harmonic distortion              | 157 %       |
| Power factor $\lambda$                 | 0.40        |

**Photometrical data**

|                                         |            |
|-----------------------------------------|------------|
| Luminous flux                           | 250 lm     |
| Nominal useful luminous flux 90°        | 250 lm     |
| Luminous efficacy                       | 86 lm/W    |
| Lumen main.fact.at end of nom.life time | 0.96       |
| Light color (designation)               | Warm White |
| Color temperature                       | 2700 K     |
| Color rendering index Ra                | 80         |
| Light color                             | 827        |
| Standard deviation of color matching    | ≤6 sdcn    |
| Rated LLMF at 6,000 h                   | 0.80       |
| Flickering metric (Pst LM)              | 1.0        |
| Stroboscope effect metric (SVM)         | 0.4        |



LISO spectral power distribution  
2700K CRI80 v1

Light technical data

|                     |         |
|---------------------|---------|
| Beam angle          | 120 °   |
| Warm-up time (60 %) | 0.50 s  |
| Starting time       | < 0.5 s |

Dimensions & Weight

|                  |          |
|------------------|----------|
| Overall length   | 56.00 mm |
| Diameter         | 50.00 mm |
| Maximum diameter | 50 mm    |
| Product weight   | 26.00 g  |

Temperatures & operating conditions

|                                      |              |
|--------------------------------------|--------------|
| Ambient temperature range            | -20...+40 °C |
| Maximum temperature at tc test point | 76.3 °C      |

Lifespan

|                                              |         |
|----------------------------------------------|---------|
| Lifespan L70/B50 at 25 °C                    | 25000 h |
| Number of switching cycles                   | 100000  |
| Lumen maintenance at end of service lifetime | 0.96    |
| 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                                                                                                                                                                                                                                                                                                                                          |
| Design / version | Frosted                                                                                                                                                                                                                                                                                                                                      |
| 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 |
| Added function   | Dimmable via remote control                                                                                                                                                                                                                                                                                                                  |

## BATTERY

|                    |        |
|--------------------|--------|
| Battery size [GMS] | CR2025 |
|--------------------|--------|

## Capabilities

|          |                   |
|----------|-------------------|
| Dimmable | Yes <sup>1)</sup> |
|----------|-------------------|

<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

## Certificates & Standards

|                                              |                 |
|----------------------------------------------|-----------------|
| Energy efficiency class                      | F <sup>1)</sup> |
| Energy consumption                           | 3.00 kWh/1000h  |
| Type of protection                           | IP20            |
| Standards                                    | CE              |
| Photobiological safety group acc. to EN62778 | RG1             |

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

## Country-specific categorizations

|                 |                 |
|-----------------|-----------------|
| Order reference | LSPR1625REM 2,9 |
|-----------------|-----------------|

## LOGISTICAL DATA

|                              |              |
|------------------------------|--------------|
| Temperature range at storage | -20...+80 °C |
|------------------------------|--------------|

## Energy labelling regulation data acc EU 2019/2015

|                                                     |      |
|-----------------------------------------------------|------|
| Lighting technology used                            | LED  |
| Non-directional or directional                      | NDLS |
| Mains or non-mains                                  | MLS  |
| Light source cap-type (or other electric interface) | GU10 |
| Connected light source (CLS)                        | No   |
| Color-tuneable light source                         | Yes  |
| Envelope                                            | No   |

|                                                      |                                         |
|------------------------------------------------------|-----------------------------------------|
| High luminance light source                          | No                                      |
| Anti-glare shield                                    | No                                      |
| Correlated colour temperature type                   | SINGLE_VALUE                            |
| Standby power                                        | 0.50 W                                  |
| Networked standby power for CLS                      | 0.50 W                                  |
| Claim of equivalent power                            | Yes                                     |
| Length                                               | 56.00 mm                                |
| Height                                               | 50.00 mm                                |
| Width                                                | 50.00 mm                                |
| Chromaticity coordinate x                            | 0.463                                   |
| Chromaticity coordinate y                            | 0.420                                   |
| R9 Colour rendering index                            | 1                                       |
| Beam angle correspondence                            | SPHERE_360                              |
| Survival factor                                      | 0.90                                    |
| LED light source replaces a fluorescent light source | No                                      |
| EPREL ID                                             | 1403055,523282,1338692                  |
| Model number                                         | AC31123,AC45050,AC24783,AC45050,AC45050 |

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

| Documents and certificates                                                          |                            | Document name           |
|-------------------------------------------------------------------------------------|----------------------------|-------------------------|
|  | Declarations of conformity | Classic lamps add value |

| Photometric and lighting design files                                               |                             | Document name                                   |
|-------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------|
|  | Spectral power distribution | LISO spectral power distribution 2700K CRI80 v1 |

LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume   |
|---------------|------------------------------|--------------------------------------|--------------|----------|
| 4058075445970 | Folding box<br>1             | 61 mm x 56 mm x 119 mm               | 37.00 g      | 0.41 dm³ |

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume                |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075445987 | Shipping box<br>4            | 136 mm x 130 mm x 96 mm              | 320.00 g     | 1.70 dm <sup>3</sup>  |
| 4058075445994 | Shipping box<br>32           | 288 mm x 276 mm x 217 mm             | 2110.00 g    | 17.25 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.

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## DISCLAIMER

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