

PRODUCT DATASHEET

SMART ZB PAR16 28 4.9W 220V RGBW GU10

SMART+ Spot GU10 Multicolour | PAR16 Spot with Zigbee technology



Areas of application

- General illumination
- Residential interiors
- Professional (hotels, bars, boutiques etc.)
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Wireless control via app
- Easy to install and use
- Contains no mercury
- Lower energy consumption than incandescent or halogen lamps

Product features

- Controllable via compatible smart home system (gateway and app)
- Control via voice control available: Google Assistant or Amazon Alexa, depending on the smart home system in use
- RGB color control, approx. 16 million color options adjustable
- Adjustable light color via Tunable White: Warm White to Cool White (2,700 K...6,500 K)
- Network protocol: ZigBee 3.0
- Dimmable
- Lifetime: up to 20,000 h



- For full functionality connection to a compatible smart home System (gateway and app) required

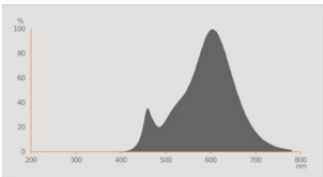
TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 4.9 W |
| Construction wattage | 4.90 W |
| Nominal voltage | 220...240 V |
| Nominal current | 38 mA |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Power factor λ | 0.50 |
| Claimed equiv. conventional lamp power | 28 W |
| Operating mode | AC Mains |

Photometrical data

| | |
|---|---------------------------|
| Light color (designation) | RGBW |
| Lumen main.fact.at end of nom.life time | 0.95 |
| Standard deviation of color matching | ≤ 6 sdc _m |
| Nominal luminous flux | 300 lm |
| Luminous flux | 300 lm |
| Luminous efficacy | 61 lm/W |
| Adjustable color temperature | 2700...6500 K |
| Color temperature | 2700...6500 K |
| Color rendering index Ra | 80 |
| Flickering metric (Pst LM) | 1 |
| Stroboscope effect metric (SVM) | 0.4 |



Everlight 67-23ST KKE 2700K

Light technical data

| | |
|------------|-------|
| Beam angle | 100 ° |
|------------|-------|

| | |
|---------------------|----------|
| Starting time | < 0.5 s |
| Warm-up time (60 %) | < 0.50 s |

Dimensions & Weight



| | |
|--------------------|----------|
| Product weight | 46.00 g |
| Diameter | 50.00 mm |
| Maximum diameter | 50 mm |
| Length | 56.00 mm |
| Width | 50.00 mm |
| Height | 50.00 mm |
| Outer bulb [PICOS] | PAR51 |

Lifespan

| | |
|--|---------|
| Number of switching cycles | 100000 |
| Lifespan | 20000 h |
| Lumen maintenance at end of service lifetime | 0.95 |

Colors & materials

| | |
|---------------|-------------|
| Housing color | Transparent |
| Body material | Glass |

Temperatures & operating conditions

| | |
|---------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
|---------------------------|--------------|

Additional product data

| | |
|-----------------------------|--|
| 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 |
| Base (standard designation) | GU10 |

Capabilities

| | |
|----------|-------------------|
| Dimmable | Yes ¹⁾ |
|----------|-------------------|

¹⁾ Via App

Certificates & Standards

| | |
|-------------------------|-----------------|
| Energy efficiency class | G ¹⁾ |
| Energy consumption | 5.00 kWh/1000h |
| Standards | CE / EAC / UKCA |
| Type of protection | IP20 |

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





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) | Yes |
| Color-tuneable light source | Yes |
| Envelope | No |
| High luminance light source | No |
| Anti-glare shield | No |
| Correlated colour temperature type | RANGE |
| Standby power | 0 W |
| Networked standby power for CLS | <0.5 |
| Claim of equivalent power | Yes |
| Chromaticity coordinate x | 0.4578 |
| Chromaticity coordinate y | 0.4101 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0 W |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1160677 |
| Model number | AC41291 |

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 |
|--|---------------------------------|---|
|  | Extended installation guide | SMARTZB 220-240V4X1 |
|  | Declarations of conformity | SMART ZB TW A60/B40/P40/PAR16_ RGBW PAR16 |
|  | Declarations of conformity UKCA | SMART ZB TW A60/B40/P40/PAR16_ RGBW PAR16 |
|  | EU Data Act | SMART ZigBee Lamps and Luminaires |

| Photometric and lighting design files | | Document name |
|---|-----------------------------|-----------------------------|
|  | Spectral power distribution | Everlight 67-23ST KKE 2700K |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854461859 | Folding box 1 | 56 mm x 78 mm x 82 mm | 68.00 g | 0.36 dm ³ |
| 4099854461866 | Shipping box 4 | 162 mm x 122 mm x 96 mm | 345.00 g | 1.90 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.

DISCLAIMER

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