

PRODUCT DATASHEET

LED R80 100 36° DIM P 9.6W 827 E27

PARATHOM® DIM R80 | Dimmable LED reflector lamps R80 with retrofit screw base



Areas of application

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

Product benefits

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Stepless dimming
- Very high dimmer compatibility, see also www.ledvance.com/dim
- Instant 100 % light, no warm-up time

Product features

- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 5 sdcm
- Dimmable
- Base: E27
- Lamp made of glass
- Very high color rendering CRI > 90



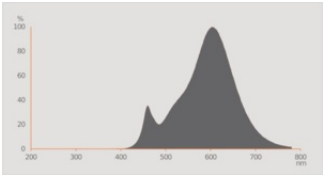
- Lifetime up to 25,000 h

TECHNICAL DATA**Electrical data**

| | |
|--|-------------|
| Nominal wattage | 9.6 W |
| Construction wattage | 9.60 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 100 W |
| Nominal current | 46.3 mA |
| Type of current | AC |
| Inrush current | 1.3 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 101 |
| Max. lamp number on MCB B16 A | 162 |
| Power factor λ | 0.70 |

Photometrical data

| | |
|---|------------|
| Luminous intensity | 1300 cd |
| Luminous flux | 670 lm |
| Nominal useful luminous flux 90° | 670 lm |
| Luminous efficacy | 69 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 | 80 |
| Light color | 827 |
| Standard deviation of color matching | ≤5 sdcn |
| Rated peak intensity | 1300 cd |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 0.2 |
| Stroboscope effect metric (SVM) | 0.4 |

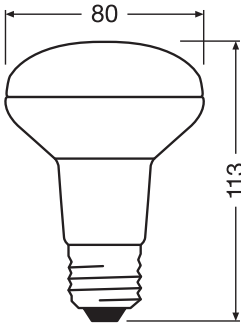


Everlight 67-23ST KKE 2700K

Light technical data

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

Dimensions & Weight



| | |
|------------------|-----------|
| Overall length | 113.00 mm |
| Diameter | 80.00 mm |
| Maximum diameter | 80 mm |
| Product weight | 228.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 102 °C |

Lifespan

| | |
|----------------------------|---------|
| Lifespan L70/B50 at 25 °C | 25000 h |
| Number of switching cycles | 100000 |

| | |
|--|--------|
| 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) | E27 |
| 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 | G ¹⁾ |
| Energy consumption | 10.00 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 | LEDPR80100D 9,6 |
|-----------------|-----------------|

Energy labelling regulation data acc EU 2019/2015

| | |
|---|--------------|
| Lighting technology used | LED |
| Non-directional or directional | DLS |
| Mains or non-mains | MLS |
| Light source cap-type (or other electric interface) | E27 |
| 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 |

| | |
|--|----------------|
| Claim of equivalent power | Yes |
| Length | 113.00 mm |
| Height | 80.00 mm |
| Width | 80.00 mm |
| Chromaticity coordinate x | 0.458 |
| Chromaticity coordinate y | 0.400 |
| R9 Colour rendering index | 1 |
| Beam angle correspondence | NARROW_CONE_90 |
| Survival factor | 0,9 |
| Displacement factor | 0.70 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 522939 |
| Model number | AC32669 |

DOWNLOAD DATA

| Documents and certificates | | Document name |
|--|-----------------------------|-------------------------------|
|  | Declarations of conformity | R39 R50 R63 R80 LED lamp |
| Photometric and lighting design files | | Document name |
|  | IES file (IES) | R80 100 dim 36 CRI80 2700 E27 |
|  | LDT file (Eulumdat) | R80 100 dim 36 CRI80 2700 E27 |
|  | 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 |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075607972 | Folding box 1 | 82 mm x 82 mm x 118 mm | 246.00 g | 0.79 dm ³ |
| 4058075607989 | Shipping box 10 | 449 mm x 188 mm x 146 mm | 2777.00 g | 12.32 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.

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
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DISCLAIMER

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