

PRODUCT DATASHEET

SST R80 100 36 ° 9.6 W/2700 K E27

LED SUPERSTAR R80 | Dimmable LED reflector lamps R80 with retrofit screw base



Areas of application

- Display cabinets and shop windows
- Museums, art galleries
- Hospitality
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Outdoor applications only in suitable luminaires

Product benefits

- Very long lifetime of up to 25,000 h
- Low energy consumption
- Easy replacement of halogen lamps thanks to compact design
- Instant 100 % light, no warm-up time

Product features

- Professional LED alternative to halogen lamps
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Mercury-free lamps



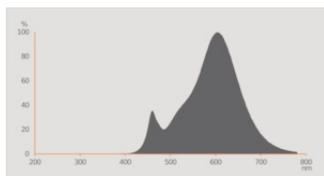
TECHNICAL DATA

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 no. on circuit break. 10 A (B) | 101 |
| Max. lamp no. on circuit break. 16 A (B) | 162 |
| Power factor λ | 0.70 |

Photometrical data

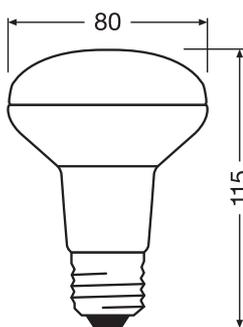
| | |
|---|---------------------------|
| Luminous intensity | 1300 cd |
| Luminous flux | 670 lm |
| Nominal useful luminous flux 90° | 670 lm |
| Luminous efficacy | 69 lm/W |
| Lumen main.fact.at end of nom.life time | 0.70 |
| Light color (designation) | Warm White |
| Color temperature | 2700 K |
| Color rendering index Ra | 80 |
| Light color | 827 |
| Standard deviation of color matching | ≤ 5 sdc _m |
| 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 |



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 | 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

| | |
|----------------------------|---------|
| Nominal lamp life time | 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) | 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 | LEDSR80100D 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 | 0.455 |
| Chromaticity coordinate y | 0.405 |
| R9 Colour rendering index | 40 |
| Beam angle | NARROW_CONE_90 |
| Survival factor | 0,9 |
| Displacement factor | 0.70 |
| LED light source replaces a fluorescent light source | not applicable |
| EPREL ID | 522939,522939 |
| Model number | AC32669,AC32669 |

DOWNLOAD DATA

| DOWNLOAD DATA | |
|--|--|
|  | PRODUCT DATASHEET LEDSR80100D 9,6W/827 230VGLE276XBLI1OSRAM |
|  | Declarations of conformity R39 R50 R63 R80 LED lamp |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4058075433281 | Folding box 1 | 81 mm x 81 mm x 155 mm | 247.00 g | 1.02 dm ³ |
| 4058075433298 | Shipping box 10 | 426 mm x 175 mm x 131 mm | 2658.00 g | 9.77 dm ³ |
| 4058075616196 | Shipping box 6 | 264 mm x 175 mm x 131 mm | 1612.00 g | 6.05 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

DISCLAIMER

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