

PRODUCT DATASHEET

ST R80 60 36 ° 5.9 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 use in suitable outdoor luminaires only

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 | 5.9 W |
| Construction wattage | 5.90 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 60 W |
| Nominal current | 32 mA |
| Type of current | AC |
| Inrush current | 1 A |
| Operating frequency | 50...60 Hz |
| Mains frequency | 50...60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 183 |
| Max. lamp no. on circuit break. 16 A (B) | 293 |
| Power factor λ | > 0.50 |

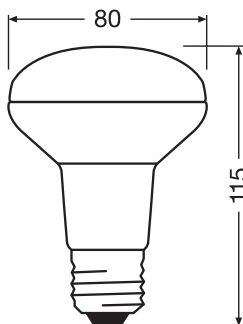
Photometrical data

| | |
|---|------------|
| Luminous intensity | 600 cd |
| Luminous flux | 345 lm |
| Nominal useful luminous flux 90° | 345 lm |
| Luminous efficacy | 58 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 | ≥90 |
| Light color | 927 |
| Standard deviation of color matching | ≤5 sdcn |
| Rated peak intensity | 600 cd |
| Rated LLMF at 6,000 h | 0.80 |

Light technical data

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|------------------------------------|----------|
| 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 | 178.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 70 °C |

Lifespan

| | |
|-------------------------------------|---------|
| Lifespan | 15000 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

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|----------|-----|
| Dimmable | Yes |
|----------|-----|

Certificates & Standards

| | |
|--|----------------|
| Energy efficiency class | G 1) |
| Energy consumption | 6.00 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 E (lowest efficiency)

Country-specific categorizations

| | |
|-----------------|-----------------|
| Order reference | LEDSR8060D 5,9W |
|-----------------|-----------------|

Energy labelling regulation data acc EU 2019/2015

| | |
|---|--------------|
| Light source cap-type (or other electric interface) | E27 |
| Correlated colour temperature type | SINGLE_VALUE |
| Length | 113.00 mm |
| Height | 80.00 mm |
| Width | 80.00 mm |
| EPREL ID | 1403199 |
| Model number | AC24581 |

DOWNLOAD DATA

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| DOWNLOAD DATA |
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PRODUCT DATASHEET

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075097285 | Blister 1 | 81 mm x 140 mm x 185 mm | 206.00 g | 2.10 dm ³ |
| 4058075097292 | Shipping box 6 | 500 mm x 154 mm x 201 mm | 1454.00 g | 15.48 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.