

PRODUCT DATASHEET ST R80 100 36 ° 9.1 W/2700 K E27

LED STAR R80 | 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

- Long lifetime of up to 15,000 h
- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of halogen lamps thanks to compact design
- Instant 100 % light, no warm-up time

Product features

- Professional LED alternative to halogen lamps
- Mercury-free lamps





TECHNICAL DATA

Electrical data

| Nominal wattage | 9.1 W |
|--|----------|
| Construction wattage | 9.10 W |
| Nominal voltage | 220240 V |
| Claimed equiv. conventional lamp power | 100 W |
| Nominal current | 65 mA |
| Type of current | AC |
| Operating frequency | 5060 Hz |
| Mains frequency | 5060 Hz |
| Power factor λ | > 0.50 |

Photometrical data

| Luminous intensity | 1300 cd |
|---|------------|
| Luminous flux | 670 lm |
| Nominal useful luminous flux 90° | 670 lm |
| Luminous efficacy | 73 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 | ≤6 sdcm |
| Rated peak intensity | 1300 cd |
| Rated LLMF at 6,000 h | 0.80 |

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 | 222.00 g |

Temperatures & operating conditions

| Ambient temperature range | -20+40 °C |
|--------------------------------------|-----------|
| Maximum temperature at tc test point | 108 °C |

Lifespan

| 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 | No |
|----------|----|
| | |

Certificates & Standards

| Energy efficiency class | F 1) |
|--|-----------------|
| Energy consumption | 10.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / CB |
| 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 | LEDSR80100 9,1W |
|--|-----------------|
| Energy labelling regulation data acc ELL 2019/2015 | |

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 | 1403202 |
| Model number | AC24584 |

Safety advice

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

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4058075097209 | Blister 1 | 81 mm x 140 mm x 185 mm | 250.00 g | 2.10 dm ³ |
| 4058075097216 | Shipping box 6 | 500 mm x 154 mm x 201 mm | 1710.00 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 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.