

# PRODUCT DATASHEET

## ST R80 100 36° 9.1 W/2700K 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 applications only in suitable luminaires

---

### PRODUCT BENEFITS

- Long lifetime of up to 15,000 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
- Mercury-free lamps



## TECHNICAL DATA

### Electrical data

<b>Rated wattage</b>	9.10 W
<b>Nominal wattage</b>	9.10 W
<b>Nominal voltage</b>	220...240 V
<b>Claimed equiv. conventional lamp power</b>	100 W
<b>Operating frequency</b>	50...60 Hz
<b>Power factor <math>\lambda</math></b>	> 0.50

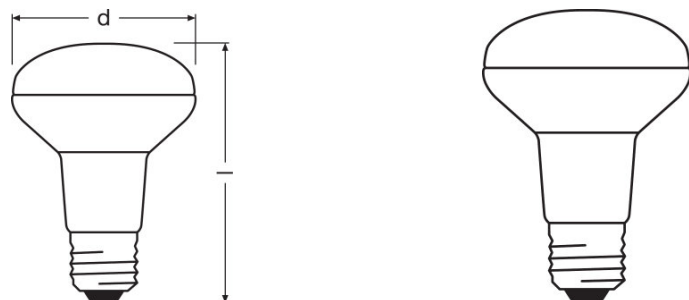
### Photometrical data

<b>Nominal luminous flux</b>	670 lm
<b>Rated luminous flux</b>	670 lm
<b>Lumen main.fact.at end of nom.life time</b>	0.70
<b>Light color (designation)</b>	Warm White
<b>Color temperature</b>	2700 K
<b>Luminous flux</b>	670 lm
<b>Color rendering index Ra</b>	$\geq 80$
<b>Standard deviation of color matching</b>	$\leq 6$ sdcn
<b>Rated color temperature</b>	2700 K
<b>Color rendering index Ra</b>	$\geq 80$
<b>Nominal useful luminous flux 90°</b>	670 lm
<b>Rated useful luminous flux 90°</b>	670 lm
<b>Rated peak intensity</b>	1300 cd

### Light technical data

<b>Beam angle</b>	36 °
<b>Warm-up time (60 %)</b>	< 0.50 s
<b>Starting time</b>	< 0.5 s
<b>Nominal beam angle</b>	36 °
<b>Rated beam angle (half peak value)</b>	36.00 °

### Dimensions & weight



<b>Overall length</b>	113.0 mm
<b>Diameter</b>	80.0 mm
<b>Outer bulb</b>	R80
<b>Length</b>	113.0 mm
<b>Maximum diameter</b>	80.0 mm

### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+40 °C
<b>Maximum temperature at tc test point</b>	108 °C

### Lifespan

<b>Nominal lamp life time</b>	15000 h
<b>Rated lamp life time</b>	15000 h
<b>Number of switching cycles</b>	100000

### Additional product data

<b>Base (standard designation)</b>	E27
<b>Mercury content</b>	0.0 mg
<b>Mercury-free</b>	Yes
<b>Show WEEE picto</b>	Yes
<b>Product remark</b>	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

<b>Dimmable</b>	No
-----------------	----

### Certificates & standards

Energy efficiency class	A+
Energy consumption	10 kWh/1000h

## Country-specific categorizations

Order reference	LEDSR80100 9,1W
-----------------	-----------------

## 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 <sup>3</sup>
4058075097216	Shipping carton box 6	500 mm x 154 mm x 201 mm	1667.00 g	15.48 dm <sup>3</sup>
4058075433267	Folding carton box 1	81 mm x 81 mm x 155 mm	241.00 g	1.02 dm <sup>3</sup>
4058075433274	Shipping carton box 10	426 mm x 175 mm x 131 mm	2558.00 g	9.77 dm <sup>3</sup>

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](http://www.ledvance.com/ledlamps)

For Guarantee see

▶ [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

## DISCLAIMER

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