

# PRODUCT DATASHEET

## ST R80 60 36° 5.9 W/2700K E27

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



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### 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

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### 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

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### PRODUCT FEATURES

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



## TECHNICAL DATA

### Electrical data

Rated wattage	5.90 W
Nominal wattage	5.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	60 W
Max. lamp no. on circuit break. 10 A (B)	183
Max. lamp no. on circuit break. 16 A (B)	293
Operating frequency	50...60 Hz
Power factor $\lambda$	> 0.50

### Photometrical data

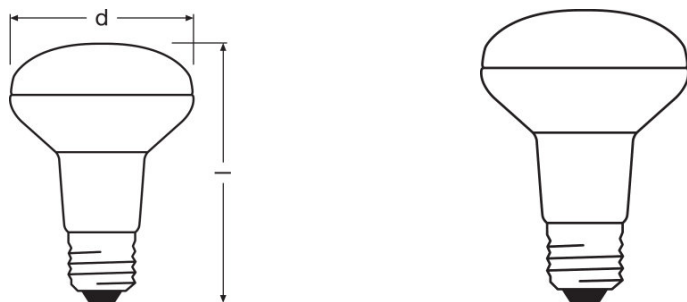
Nominal luminous flux	345 lm
Rated luminous flux	345 lm
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Luminous flux	345 lm
Color rendering index Ra	$\geq 90$
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Rated color temperature	2700 K
Color rendering index Ra	$\geq 90$
Nominal useful luminous flux 90°	345 lm
Rated useful luminous flux 90°	345 lm
Rated peak intensity	600 cd

### Light technical data

Beam angle	36 ° <sup>1)</sup>
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Nominal beam angle	36 °
Rated beam angle (half peak value)	36.00 °

<sup>1)</sup> ZMP\_110132

### 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>	70 °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>	Yes
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### Certificates & standards

Energy efficiency class	A+
Energy consumption	6 kWh/1000h

## Country-specific categorizations

Order reference	LEDSR8060D 5,9W
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## 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 <sup>3</sup>
4058075097292	Shipping carton box 6	500 mm x 154 mm x 201 mm	1454.00 g	15.48 dm <sup>3</sup>
4058075433328	Folding carton box 1	81 mm x 81 mm x 155 mm	207.00 g	1.02 dm <sup>3</sup>
4058075433335	Shipping carton box 10	426 mm x 175 mm x 131 mm	2218.00 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 dimming conformity see
  - ▶ [www.ledvance.com/dim](http://www.ledvance.com/dim)

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)

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