

PRODUCT DATASHEET

ST R80 60 36° 5.9 W/2700K 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
- Good color rendering index $R_a: \geq 80$
- Dimmable (with many common dimmers, see also 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 λ	> 0.70

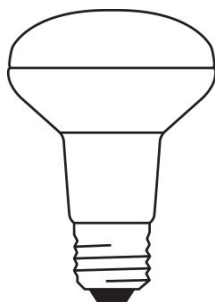
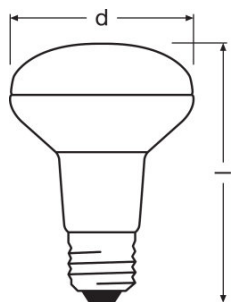
Photometrical data

Nominal luminous flux	345 lm
Rated luminous flux	345 lm
Rated color temperature	2700 K
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	≥ 90
Standard deviation of color matching	≤ 5 sdc
Color rendering index Ra	≥ 90
Nominal useful luminous flux 90°	345 lm
Rated useful luminous flux 90°	345 lm
Rated peak intensity	630 cd

Light technical data

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

Dimensions & weight



Overall length	115.0 mm
Diameter	80.0 mm
Outer bulb	R80
Length	115.0 mm
Maximum diameter	80.0 mm

Temperatures & operating conditions

Maximum temperature at tc test point	70 °C
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Lifespan

Nominal lamp life time	25000 h
Rated lamp life time	25000 h
Number of switching cycles	100000

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Show WEEE picto	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
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Certificates & standards

Energy efficiency class	A
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Energy consumption

6 kWh/1000h

Country-specific categorizations

Order reference

LEDSR8060D 5,9W

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	216.00 g	2.10 dm ³
4058075097292	Shipping carton box 6	500 mm x 154 mm x 201 mm	1500.00 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.