

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



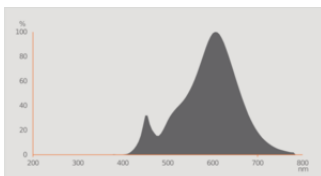
## TECHNICAL DATA

### 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 number on MCB B10 A	183
Max. lamp number on MCB B16 A	293
Power factor $\lambda$	> 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

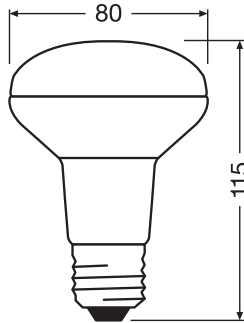


Everlight 67-23ST HKE 2700K

## Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

## Dimensions &amp; Weight



Overall length	113.00 mm
Diameter	80.00 mm
Maximum diameter	80 mm
Product weight	178.00 g

## Temperatures &amp; operating conditions

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

Dimmable	Yes
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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
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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

Safety advice

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

DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	R63 R80 E27

Photometric and lighting design files		Document name
	IES file (IES)	R80 M2 60 36 2700K E27
	LDT file (Eulumdat)	R80 M2 60 36 2700K E27
	Light distribution curve type polar	R80 M2 60 36 2700K E27
	Spectral power distribution	Everlight 67-23ST HKE 2700K

## 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 box 6	500 mm x 154 mm x 201 mm	1454.00 g	15.48 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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