

PRODUCT DATASHEET

P R80 100 36 ° 9.1 W/2700 K E27

PARATHOM® R80 | LED reflector lamps R80 with retrofit screw base



Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Quick, simple and safe replacement without rewiring
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

Product features

- LED alternative to high voltage halogen lamps
- Not dimmable
- Base: E27
- Lamp made of glass
- Good quality of light; color rendering index $R_a \geq 80$
- Lifetime: up to 15,000 h



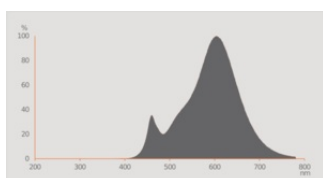
TECHNICAL DATA

Electrical data

Nominal wattage	9.1 W
Construction wattage	9.10 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	65 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	101
Max. lamp no. on circuit break. 16 A (B)	162
Power factor λ	0.40

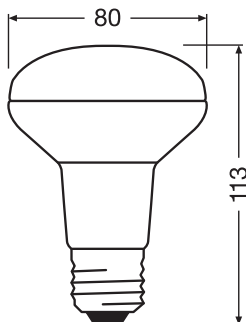
Photometrical data

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 sdcn
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	102 °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

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	G
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

Country-specific categorizations

Order reference	RLR80100 9,1W/8
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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	522938

DOWNLOAD DATA

Photometric and lighting design files



Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597197611	Folding box 1	82 mm x 82 mm x 118 mm	240.00 g	0.79 dm ³
4008597597619	Shipping box 10	449 mm x 188 mm x 146 mm	2717.00 g	12.32 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 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.