

# PRODUCT DATASHEET

## P R80 60 36 ° 4.3 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 outdoor luminaires only (minimum IP65)

### 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



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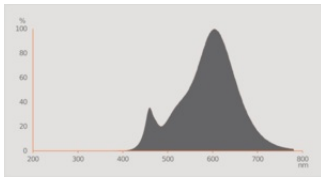
## TECHNICAL DATA

### Electrical data

Nominal wattage	4.3 W
Construction wattage	4.30 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	60 W
Nominal current	34.5 mA
Type of current	AC
Inrush current	9.6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	129
Max. lamp no. on circuit break. 16 A (B)	206
Power factor $\lambda$	0.40

### Photometrical data

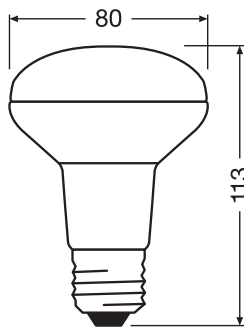
Luminous intensity	582 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	81 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated peak intensity	582 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.1
Stroboscope effect metric (SVM)	0.1



## Light technical data

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

## Dimensions & Weight



Overall length	113.00 mm
Diameter	80.00 mm
Maximum diameter	80 mm
Product weight	173.00 g

## Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	75 °C

## Lifespan

Nominal lamp life time	15000 h
Number of switching cycles	100000

Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 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

### Capabilities

Dimmable	No
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### Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	5.00 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 G (lowest efficiency)

### Country-specific categorizations


Order reference	LEDPR8060 4,3W/
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### Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	E27
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE

Claim of equivalent power	Yes
Length	113.00 mm
Height	80.00 mm
Width	80.00 mm
Chromaticity coordinate x	0.455
Chromaticity coordinate y	0.405
R9 Colour rendering index	1
Beam angle	NARROW_CONE_90
Survival factor	0,9
Displacement factor	0.50
LED light source replaces a fluorescent light source	not applicable
EPREL ID	522940
Model number	AC32670

## DOWNLOAD DATA

DOWNLOAD DATA	
	Declarations of conformity R39 R50 R63 R80 LED lamp

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075608658	Folding box 1	82 mm x 82 mm x 118 mm	191.00 g	0.79 dm <sup>3</sup>
4058075608665	Shipping box 10	449 mm x 188 mm x 146 mm	2227.00 g	12.32 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)

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