PRODUCT FAMILY DATASHEET
PARATHOM® DIM R80

Dimmable LED reflector lamps R80 with retrofit screw base



Areas of application

- Shops and exhibition rooms
- Domestic applications
- Commercial applications
- Accent lighting
- Indoors and outdoors

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
- Stepless dimming
- Very high dimmer compatibility, see also www.ledvance.com/dim
- Instant 100 % light, no warm-up time

Product features

- LED alternative to high voltage halogen lamps
- High color consistency: ≤ 5 SDCM
- Dimmable
- Base: E27
- Lamp made of glass
- Very high color rendering (R_a: 90)
- Lifetime: up to 25,000 h



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TECHNICAL DATA

Electrical data

Product description	Nominal wattage	Construction wattage	Nominal voltage	Claimed equiv. conventional lamp power	Nominal current
P R80 60 36 ° 5.9 W/2700 K E27	5.9 W	5.90 W	220...240 V	60 W	32 mA
P R80 60 36 ° 5.9 W/2700 K E27	5.9 W	5.90 W	220...240 V	60 W	32 mA
P R80 100 36 ° 9.6 W/2700 K E27	9.6 W	9.60 W	220...240 V	100 W	54 mA
P R80 100 36 ° 9.6 W/2700 K E27	9.6 W	9.60 W	220...240 V	100 W	46.3 mA

Product description	Type of current	Inrush current	Operating frequency	Mains frequency	Max. lamp no. on circuit break. 10 A (B)
P R80 60 36 ° 5.9 W/2700 K E27	AC	1 A	50...60 Hz	50...60 Hz	183
P R80 60 36 ° 5.9 W/2700 K E27	AC	0.9 A	50/60 Hz	50/60 Hz	162
P R80 100 36 ° 9.6 W/2700 K E27	AC	1 A	50...60 Hz	50...60 Hz	123
P R80 100 36 ° 9.6 W/2700 K E27	AC	1.3 A	50/60 Hz	50/60 Hz	101

Product description	Max. lamp no. on circuit break. 16 A (B)	Power factor λ
P R80 60 36 ° 5.9 W/2700 K E27	293	> 0.50
P R80 60 36 ° 5.9 W/2700 K E27	259	0.70
P R80 100 36 ° 9.6 W/2700 K E27	198	> 0.50
P R80 100 36 ° 9.6 W/2700 K E27	162	0.70

Photometrical data

Product description	Luminous intensity	Luminous flux	Nominal useful luminous flux 90°	Luminous efficacy	Lumen main.fact.at end of nom.life time
P R80 60 36 ° 5.9 W/2700 K E27	600 cd	345 lm	345 lm	58 lm/W	0.70
P R80 60 36 ° 5.9 W/2700 K E27	607 cd	350 lm	350 lm	59 lm/W	0.70
P R80 100 36 ° 9.6 W/2700 K E27	1300 cd	670 lm	670 lm	69 lm/W	0.70
P R80 100 36 ° 9.6 W/2700 K E27	1300 cd	670 lm	670 lm	69 lm/W	0.70



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Product description	Light color (designation)	Color temperature	Color rendering index Ra	Light color	Standard deviation of color matching
P R80 60 36 ° 5.9 W/2700 K E27	Warm White	2700 K	≥90	927	≤5 sdcm
P R80 60 36 ° 5.9 W/2700 K E27	Warm White	2700 K	≥90	927	≤5 sdcm
P R80 100 36 ° 9.6 W/2700 K E27	Warm White	2700 K	≥80	827	≤5 sdcm
P R80 100 36 ° 9.6 W/2700 K E27	Warm White	2700 K	80	827	≤5 sdcm

Product description	Rated peak intensity	Rated LLMF at 6,000 h
P R80 60 36 ° 5.9 W/2700 K E27	600 cd	0.80
P R80 60 36 ° 5.9 W/2700 K E27	607 cd	0.80
P R80 100 36 ° 9.6 W/2700 K E27	1300 cd	0.80
P R80 100 36 ° 9.6 W/2700 K E27	1300 cd	0.80

Light technical data

Product description	Beam angle	Warm-up time (60 %)	Starting time	Rated beam angle (half peak value)
P R80 60 36 ° 5.9 W/2700 K E27	36 °	‹ 0.50 s	< 0.5 s	36.00 °
P R80 60 36 ° 5.9 W/2700 K E27	36 °	‹ 0.50 s	< 0.5 s	36.00 °
P R80 100 36 ° 9.6 W/2700 K E27	36 °	‹ 0.50 s	< 0.5 s	36.00 °
P R80 100 36 ° 9.6 W/2700 K E27	36 °	‹ 0.50 s	< 0.5 s	36.00 °

Dimensions & Weight

Product description	Overall length	Diameter	Maximum diameter	Product weight
P R80 60 36 ° 5.9 W/2700 K E27	113.00 mm	80.00 mm	80 mm	178.00 g
P R80 60 36 ° 5.9 W/2700 K E27	113.00 mm	80.00 mm	80 mm	178.00 g
P R80 100 36 ° 9.6 W/2700 K E27	113.00 mm	80.00 mm	80 mm	228.00 g
P R80 100 36 ° 9.6 W/2700 K E27	113.00 mm	80.00 mm	80 mm	228.00 g

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point
P R80 60 36 ° 5.9 W/2700 K E27	-20…+40 °C	70 °C
P R80 60 36 ° 5.9 W/2700 K E27	-20…+40 °C	88 °C
P R80 100 36 ° 9.6 W/2700 K E27	-20…+40 °C	84 °C

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Product description	Ambient temperature range	Maximum temperature at tc test point
P R80 100 36 ° 9.6 W/2700 K E27	-20...+40 °C	102 °C

Lifespan

Product description	Nominal lamp life time	Number of switching cycles	Lumen maintenance at end of serv	Rated lamp survival factor at 6,000
P R80 60 36 ° 5.9 W/2700 K E27	15000 h	100000	0.70	≥ 0.90
P R80 60 36 ° 5.9 W/2700 K E27	25000 h	100000	0.70	≥ 0.90
P R80 100 36 ° 9.6 W/2700 K E27	25000 h	100000	0.70	≥ 0.90
P R80 100 36 ° 9.6 W/2700 K E27	25000 h	100000	0.70	≥ 0.90

Additional product data

Product description	Base (standard designation)	Mercury content	Mercury-free	Product remark
P R80 60 36 ° 5.9 W/2700 K E27	E27	0.0 mg	Yes	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
P R80 60 36 ° 5.9 W/2700 K E27	E27	0.0 mg	Yes	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
P R80 100 36 ° 9.6 W/2700 K E27	E27	0.0 mg	Yes	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
P R80 100 36 ° 9.6 W/2700 K E27	E27	0.0 mg	Yes	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

Product description	Dimmable
P R80 60 36 ° 5.9 W/2700 K E27	Yes



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Product description	Dimmable
P R80 60 36 ° 5.9 W/2700 K E27	Yes
P R80 100 36 ° 9.6 W/2700 K E27	Yes
P R80 100 36 ° 9.6 W/2700 K E27	Yes

Certificates & Standards

Product description	Energy efficiency class	Energy consumption	Type of protection	Standards	Photobiological safety group acc. to EN62778
P R80 60 36 ° 5.9 W/2700 K E27	A+[1)]	6.00 kWh/1000h	IP20	CE / EAC	RG1
P R80 60 36 ° 5.9 W/2700 K E27	G[2)]	6.00 kWh/1000h	IP20	CE / EAC	RG1
P R80 100 36 ° 9.6 W/2700 K E27	A+[1)]	10.00 kWh/1000h	IP20	CE / EAC	RG1
P R80 100 36 ° 9.6 W/2700 K E27	G[2)]	10.00 kWh/1000h	IP20	CE / EAC	RG1

1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

2) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Energy labellling regulation data acc EU 2019/2015

Product description	Light source cap-type (or other electric interface)	Length	Height	Width
P R80 60 36 ° 5.9 W/2700 K E27	E27	113.00 mm	80.00 mm	80.00 mm
P R80 60 36 ° 5.9 W/2700 K E27	E27	113.00 mm	80.00 mm	80.00 mm
P R80 100 36 ° 9.6 W/2700 K E27	E27	113.00 mm	80.00 mm	80.00 mm
P R80 100 36 ° 9.6 W/2700 K E27	E27	113.00 mm	80.00 mm	80.00 mm

APPLICATION ADVICE

For more detailed application information and graphics please see product datasheet.

SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com

COUNTRY SPECIFIC INFORMATION

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Product description	Product code	METEL-Code	SEG number	STK number	UK Org
P R80 60 36 ° 5.9 W/2700 K E27	4058075449602	-	8295479	4731543	-
P R80 60 36 ° 5.9 W/2700 K E27	4058075609457	-	8296909	-	-
P R80 100 36 ° 9.6 W/2700 K E27	4058075448667	-	8295480	4731544	-
P R80 100 36 ° 9.6 W/2700 K E27	4058075607972	-	8296910	-	-

DOWNLOAD DATA

	DOWNLOAD DATA
	IES file (IES) AC08057_R80 60D 4W 230V GL E27
	LDT file (Eulumdat) AC08057_R80 60D 4W 230V GL E27
PDF	Declarations of conformity R39 R50 R63 R80 LED lamp
	IES file (IES) AC08058_R80 D100 9,6W 230V GL E27
	LDT file (Eulumdat) AC08058_R80 D100 9,6W 230V GL E27
PDF	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
4058075449602	Folding box 1	82 mm x 82 mm x 118 mm	206.00 g	0.79 dm^3
4058075609457	Folding box 1	82 mm x 82 mm x 118 mm	196.00 g	0.79 dm^3
4058075448667	Folding box 1	82 mm x 82 mm x 118 mm	250.00 g	0.79 dm^3
4058075607972	Folding box 1	82 mm x 82 mm x 118 mm	246.00 g	0.79 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



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– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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