

PRODUCT DATASHEET

P R80 100 36 ° 9.6 W/2700 K E27

OSRAM DULUX® D LED EM & AC MAINS | LED replacement for CFLni, 2 tubes, with 2-pin G24d base for CCG and AC mains operation



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

TECHNICAL DATA

Electrical data

Nominal wattage	9.6 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	54 mA
Type of current	AC
Inrush current	1 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	123
Max. lamp no. on circuit break. 16 A (B)	198
Power factor λ	> 0,50

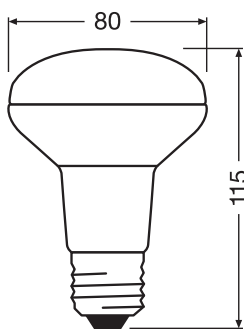
Photometrical data

Luminous intensity	1300 cd
Luminous flux	670 lm
Nominal useful luminous flux 90°	670 lm
Luminous efficacy	69 lm/W
Lumen main.fact.at end of nom.li	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤5 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
Rated beam angle (half peak value)	36.00 °

Dimensions & weight



Overall length	113.00 mm
Length	113.00 mm
Diameter	80.00 mm
Maximum diameter	80 mm
Product weight	228.000 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	84 °C

Lifespan

Nominal lamp life time	25000 h
Rated lamp life time	25000 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	Yes
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Certificates & standards



Energy efficiency class	A+ ¹⁾
Energy consumption	10.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC

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

Country-specific categorizations

Order reference	LEDPR80100D 9,6
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DOWNLOAD DATA

DOWNLOAD DATA	
	IES file (IES) AC08058_R80 D100 9,6W 230V GL E27
	LDT file (Eulumdat) AC08058_R80 D100 9,6W 230V GL E27

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075448667	Folding box 1	82 mm x 82 mm x 118 mm	250.00 g	0.79 dm ³
4058075448674	Shipping box 10	449 mm x 188 mm x 146 mm	2817.00 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 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.