PRODUCT DATASHEET
P R50 60 36 ° 5.9 W/2700 K E14

PARATHOM® DIM R50 | Dimmable LED reflector lamps R50 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
– 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: E14
- Lamp made of glass
- Very high color rendering (R_a: 90)
- Lifetime: up to 25,000 h

TECHNICAL DATA

Electrical data

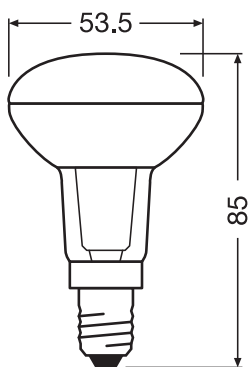|	
Nominal wattage	5.9 W
Construction wattage	5.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	60 W
Nominal current	32 mA
Type of current	AC
Inrush current	1 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	183
Max. lamp no. on circuit break. 16 A (B)	293
Power factor λ	> 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 sdcm
Rated peak intensity	600 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	85.00 mm
Diameter	50,0 mm
Maximum diameter	50 mm
Product weight	64.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	88 °C

Lifespan

Nominal 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)	E14
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

Certificates & Standards

Energy efficiency class	A+ [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	LEDPR5060D 5,9W

Energy labellling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E14
Length	85.00 mm
Height	50,0 mm
Width	50,0 mm

DOWNLOAD DATA

	DOWNLOAD DATA
📄	IES file (IES) AC08051_R50 60 D 5,9W 230V GL E14
📄	LDT file (Eulumdat) AC08051_R50 60 D 5,9W 230V GL E14

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075448506	Folding box 1	51 mm x 51 mm x 88 mm	86.00 g	0.23 dm³
4058075448513	Shipping box 10	287 mm x 119 mm x 106 mm	976.00 g	3.62 dm³

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.