

## PRODUCT DATASHEET

### P PAR 20 50 36 ° 5 W/2700 K E27

PARATHOM® DIM PAR20 | Dimmable LED reflector lamps PAR20 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
- Stepless dimming
- Very high dimmer compatibility, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)
- Instant 100 % light, no warm-up time
- Lower energy consumption than incandescent or halogen lamps



## Product features

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq 6$  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	5 W
Construction wattage	5.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	23 mA
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Power factor $\lambda$	$\geq 0.70$

### Photometrical data

Luminous intensity	700 cd
Luminous flux	400 lm
Nominal useful luminous flux 90°	345 lm
Luminous efficacy	80 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	$\geq 80$
Light color	827
Standard deviation of color matching	$\leq 6$ sdcn
Rated peak intensity	700 cd
Rated LLMF at 6,000 h	0.80

### Light technical data

Beam angle	36 °
Warm-up time (60 %)	$\cdot 0.50$ s
Starting time	$< 0.5$ s

### Dimensions & Weight

Overall length	88.00 mm
Diameter	64.00 mm
Maximum diameter	64 mm
Product weight	110.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
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### 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
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+ <sup>1)</sup>
Energy consumption	5.00 kWh/1000h
Photobiological safety group acc. to EN62778	RG1

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


### Country-specific categorizations

Order reference	LPPAR20D5036 5W
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### Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	E27
Length	88.00 mm
Height	64.00 mm
Width	64.00 mm

### DOWNLOAD DATA

Photometric and lighting design files	Document name
 IES file (IES)	PARATHOM DIM PAR20 5 W 2700K

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075184497	Folding box 1	70 mm x 70 mm x 96 mm	129.00 g	0.47 dm <sup>3</sup>
4058075184503	Shipping box 6	228 mm x 157 mm x 125 mm	839.00 g	4.47 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 dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
- 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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