

## PRODUCT DATASHEET

### P PAR20 DIM 50 36 ° 6.4 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

#### 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	6.4 W
Construction wattage	6.40 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	32 mA
Type of current	AC
Inrush current	2 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	250
Max. lamp no. on circuit break. 16 A (B)	400
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous intensity	750 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	54 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	$\leq 6$ sdc <sub>m</sub>
Rated peak intensity	750 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



### Light technical data

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

### Dimensions & Weight

Overall length	88.00 mm
Diameter	65.00 mm
Maximum diameter	65 mm
Product weight	80.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C

### Lifespan

Lifespan	25000 h <sup>1)</sup>
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

1) L70/B50

### 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
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### Capabilities

Dimmable	Yes
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### Certificates & Standards

Energy efficiency class	G <sup>1)</sup>
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / CB
Photobiological safety group acc. to EN62778	RG1

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

### Country-specific categorizations

Order reference	LPPAR20D5036 6,
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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	88.00 mm
Height	65.00 mm
Width	65.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1

Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	0.50
LED light source replaces a fluorescent light source	Yes
EPREL ID	522919
Model number	AC32688

**DOWNLOAD DATA**

**Documents and certificates**



Declarations Of Conformity CE

**Photometric and lighting design files**



Spectral power distribution

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075607675	Folding box 1	66 mm x 66 mm x 92 mm	122.00 g	0.40 dm <sup>3</sup>
4058075607682	Shipping box 6	210 mm x 142 mm x 106 mm	797.00 g	3.16 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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