

# PRODUCT DATASHEET

## PAR 16 100 24 ° 10 W/4000 K GU10

LED PERFORMANCE PAR16 HIGH BRIGHTNESS | LED reflector lamps PAR16 with retrofit pin base



### Areas of application

- Hospitality
- Restaurants
- Residential interiors
- Museums, art galleries

### Product benefits

- Attractive lamp appearance
- Easy replacement of halogen lamps due to compact design and single optic design
- Good quality of light
- Creation of the preferred light ambience thanks to dimming
- Very high dimmer compatibility, see also [www.ledvance.com/dim](http://www.ledvance.com/dim)
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Reliable operation thanks to brand quality

### Product features



- Very good color rendering (CRI: 95, R9: 90, Rg: 100, Rf: 90)
- High color consistency:  $\leq 5$  sdcm
- Single optic design
- Input voltage: 220...240 V<sub>AC</sub>
- Mercury-free lamps
- Lifetime up to 40,000 h
- Dimmable
- Temperature-protected

## TECHNICAL DATA

### Electrical data

Nominal wattage	10 W
Construction wattage	10.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	48 mA
Type of current	AC
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor $\lambda$	0.92

### Photometrical data

Luminous intensity	3350 cd
Luminous flux	900 lm
Luminous efficacy	90 lm/W
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	95
Light color	940
Standard deviation of color matching	$\leq 5$ sdcn
Rated peak intensity	3350 cd

### Light technical data

Beam angle	24 °
Warm-up time (60 %)	$< 0.50$ s
Starting time	$< 0.5$ s

### Dimensions & Weight

Overall length	77.30 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	105.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
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## Lifespan

Number of switching cycles	100000
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## Additional product data

Base (standard designation)	GU10
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 &amp; Standards

Energy efficiency class	G <sup>1)</sup>
Standards	CB / EMC / RoHS

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

## Country-specific categorizations

Order reference	LPPAR161102410W
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## LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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## Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	GU10
Length	77.30 mm
Height	50.00 mm
Width	50.00 mm

## DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	LPPAR16 24 10W 940 230VGU10HB
	Light distribution curve type polar	LPPAR16 24 10W 940 230VGU10HB

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075415720	Folding box 1	52 mm x 52 mm x 81 mm	127.00 g	0.22 dm <sup>3</sup>
4058075415737	Shipping box 10	273 mm x 113 mm x 96 mm	1398.00 g	2.96 dm <sup>3</sup>
4099854262647	Shipping box 10	273 mm x 113 mm x 96 mm	1378.00 g	2.96 dm <sup>3</sup>
4058075415744	Shipping box 60			
4099854262654	Shipping box 60	284 mm x 239 mm x 309 mm	8654.00 g	20.97 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.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.