

Product Information

PARATHOM® PAR16 35 36°



Benefits

- For all household luminaires
- Low energy consumption and maintenance costs
- Long lifetime up to 15 years²
- Compact 220-240V-LED reflector lamp in PAR16 shape
- Equipped with high-efficiency patented LEDs, quality assured
- Shockproof and vibration-proof

Product Overview

Product	Wattage	CCT	lm	Base
PARATHOM® PAR16 35 36° 827	3,9	2700	230	GU10

Key Features

- 3,9 W LED lamps as high-quality replacement for a 35W halogene spot lamp
- GU10 base for easy replacement
- Available in 2700K warm white color temperature
- Energy efficiency class A+
- 15,000 hours lifetime³
- Similar dimensions as incandescent candle lamp
- UV and NIR radiation free
- Mercury free
- 4 years Osram Guarantee (www.osram.com/guarantee)
- Suitable for most commercially available conventional transformers

Product	Wattage	CCT	lm	Base	Diameter	Length	Weight	Beam Angle	EAN10	EAN40 (ship.unit)	Ship. unit
PARA PAR16 35 36°	3,9 W	2700 K	230	GU10	50 mm	58 mm	69 g	36°	4052899910379	4052899910478	10

¹With many common dimmers, see also www.osram.com/dim

² Typical values. All the technical parameters apply to the entire lamp. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values.

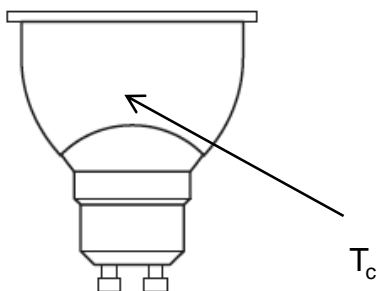
³ The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25°C), free air burning, base up burning position and at rated voltage.

Product Information

LED STAR PAR16 35 36°

Common Characteristics³

Average lifetime ⁴	Switching cycles (30s on, 30s off)	Casing material	Starting time	Warm up time for 60% light	Power factor
15,000 hrs	100,000	Plastic	< 0,5 s	< 1 s	0,56
Nominal current	Max. inrush current	Tc temperature	CRI	Mercury max.	Luminous intensity
31 mA	-	79 °C	≥ 80	0.0 mg	600 cd



Good heat exchange supports ideal performance

Disposal information

- Lamps with WEEE sign can be returned at specific collection points.
- LED lamps have to be disposed as special waste.



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⁴ The average lifetime of LED lamps is defined as the number of hours when the light output of 50% of a large group of identical lamps goes below 70% of its initial luminous flux (L70B50, IEC60969). The lifetime is estimated at room temperature (25°C), free air burning, base up burning position and at rated voltage.

⁵ The Tc is defined as the highest permissible temperature which may occur on the outer surface of the LED lamp (in the indicated position) under normal operating conditions and at the rated voltage/current/power or the maximum of the rated voltage/current/power range (DIN EN 62031: 2009-01)

Product Information

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Application information

- Suitable for indoor application.
- For outdoor applications and operation in damp locations special approved fixture are required.
- Input voltage: 220-240 V
- Storage temperature & humidity conditions (-20°C up to +40°C, at max. 95% relative humidity)
- Operating temperature & humidity conditions (-20°C up to +40°C, at max. 95% relative humidity)

Lamp conformity

- 2004/108/EC Electromagnetic compatibility (EMC)
- 244/2009 Ecodesign requirements for non-directional household lamps
- IEC/ PAS 62612 Self ballasted LED-lamps for general lighting services – Performance requirements
- 2009/125/EC Ecodesign requirements for energy related products
- 2011/65/EC Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
- 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH Regulation)
- 2002/96/EC Waste Electrical and Electronic Equipment Directive (WEEE)
- EN 62471 Photobiological safety of lamps and lamp systems
- EN 55015 Limits and methods of measurement of radio disturbance
- EN 61000-3-2 Electromagnetic compatibility – Limits for harmonic current emission
- EN 61000-3-3 Electromagnetic compatibility – Limitation of voltage changes, voltage fluctuations, flicker in public low voltage supply systems
- EN61547 Electromagnetic compatibility immunity requirements
- 1194/2012 Eco design requirement for directional lamps, light emitting diode lamps and related equipment (DIM II)
- IEC 62560 self-ballasted LED-lamps for general lighting services by voltage >50V – Safety specifications
- 874/2012/EU Energy labeling of electrical lamps and luminaires