OSRAM LED VALUE PAR 16 50

Highlights

—Easy replacement of halogen lamps due to compact full glass design and single optic
—Premium light quality thanks to high color rendering index and narrow binning
—Very high color rendering : Ra 80
—Long lifetime, up to 15,000hrs

Application Areas:

- Hospitality
- Restaurant
- Residential
- Art galleries and museum
- Homes

Advancing Light

LEDVANCE is one of the World's leaders in general lighting for lighting professionals as well as end users, offering

A broad variety of LED luminaires

Advanced LED lamps

Intelligent, networked Smart Home & Smart Building solutions

Traditional light sources

Product Information

LED VALUE PAR 16 50

Product Overview[1]

Model Name	Basic Code	Wattage	Input Voltage	CCT	Lm
PAR16 50 ECO 5W 830 36° GU10	AC19043	5W	220V-240V	3000K	400lm
PAR16 50 ECO 5W 840 36° GU10	AC19044	5W	220V-240V	4000K	400lm
PAR16 50 ECO 5W 865 36° GU10	AC19042	5W	220V-240V	6500K	400lm

Benefits

•Easy replacement of halogen lamps due to compact full glass design and single optic
•Free of multiple shadows for an excellent accent lighting
•Up to 90% Energy Saving, spend little and save a lot
•High color consistency thanks to narrow binning
•Install and forget: assured by Germany quality standard

Key Features

•Uniform and clean beam thanks to the innovative single optics
•Perfect Fit, 1:1 halogen outline ensures easy installation
•Color consistency: ≤6 Standard Deviation Color Matching
•220-240V AC input voltage
•UV and NIR radiation free
•Mercury free
•15,000 hours lifetime[2]

[1] 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.

[2] L70B50 is the average operating life of the LED Lamp during which the luminous flux is greater than or equal to 70% of the initial luminous flux, for 50% of the population. The lifetime is estimated at room temperature (25° C), free air burning, base up burning position and at rated voltage.

For lamps with a weight significantly higher than that of the lamps for which they are a replacement, attention should be drawn to the fact that the increased weight may reduce the mechanical stability of certain luminaires and lampholders and may impair contact making and lamp retention.

Product Information

LED VALUE PAR 16 50

Ordering Guide

Product	Wattage	CCT	Lm	Candela	Diameter	Length	Weight	Beam Angle	EAN10	EAN40 (ship unit)	Ship. unit
LEPAR165036 5W/830 230V GU10 10X1G5OSRAM	5W	2700K	400lm	600	50	54	27	36°	4058075204553	4058075204560	10
LEPAR165036 5W/840 230V GU10 10X1G5OSRAM	5W	4000K	400lm	600	50	54	27	36°	4058075204577	4058075204584	10
LEPAR165036 5W/865 230V GU10 10X1G5OSRAM	5W	6500K	400lm	600	50	54	27	36°	4058075204591	4058075204607	10

Common Characteristics[3]

Type	Average lifetime[4]	Switching cycles (30s on, 30s off)	Casing material	Starting time	Warm up time for 95% light	Power factor
LED VALUE PAR16 50	15,000 hrs	100,000	Plastic	<0.5 s	<0.5 s	>0.4

Type	Nominal current	Tc temperature max.[5]	CRI	Mercury max.	Standard deviation of color matching	Ambient temperature range
LED VALUE PAR16 50	38 mA	≤85°C @ Ta 40°C	80	0.0 mg	≤6 SDCM	–20..+40 °C

[3] 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.

[4] L70B50 is the average operating life of the LED Lamp during which the luminous flux is greater than or equal to 70% of the initial luminous flux, for 50% of the population. 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)

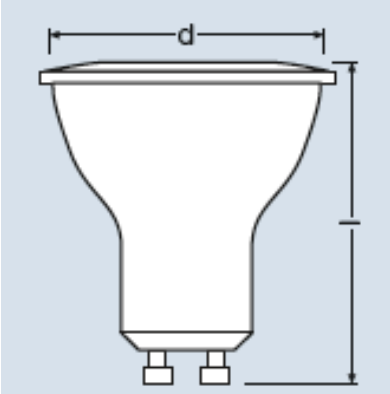
Product Information

LED ECO PAR 16 50

Light Distribution

PAR16 50 ECO 5W 36˚ GU10

Lamp Dimension



	PAR16
D (mm)	50
l (mm)	54

Product Information

LED ECO PAR 16 50

Application information

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Lamp conformity

•IEC 60038 (IEC standard voltages)
•IEC 60061 (Lamp caps and holders)
•IEC 60357 (Tungsten halogen lamps (non vehicle) - Performance specifications)
•IEC 60432 (Incandescent lamps - Safety specifications)
•IEC 60630 (Maximum lamp outlines for incandescent lamps)
•IEC 62560 (Self-ballasted LED-lamps for general lighting services by voltage > 50 V -Safety specifications - Safety requirements)
•IEC 60969 (Self-ballasted lamps for general lighting services - Performance requirements)
•IEC 61341 (Method of measurement of centre beam intensity and beam angle(s) of reflector lamps)
•IEC 61547 (Equipment for general lighting purposes - EMC immunity requirements)
•IEC 62612 (Self-ballasted LED-lamps for general lighting services > 50 V – Performance requirements)
•CISPR 15: 2013 + A1: 2015 (Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment)
•Commission Regulation No 244/2009 (1194/2012) implementing Directive 2005/32/EC (2009/125/EC) of the European Parliament and of the Council with regard to ecodesign requirements for non-directional household lamps (directional household lamps)