

OSRAM LED VALUE PAR 16 50



Highlights

- Easy replacement of halogen lamps due to compact full glass design and single optic
- TruWave Technology is defined as LEDVANCE unique technology which can offer more natural and comfortable light.
- 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

LEDVANCE is licensee of product trademark OSRAM for lamps products in general lighting.



LED VALUE PAR 16 50



We bring nature light!

Life need natural light

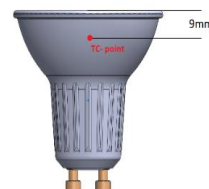
- It makes us feel warm, safe, relaxed, content, happy & energized. Natural Light gives us life.
- Life needs Natural Light after the sun goes down.
- Life needs Natural Light to combat feelings of sadness during dark winter months.
- Life needs Natural Light to help nighttime workers do their best.

Benefits of natural light product

- LEDVANCE SPOT lamp mimics the natural light spectrum and wavelength intensity to support an improved sleep/wake cycle.
- With its balanced blue light spectrum, it is beneficial for boosting attention, reaction times and mood
- Truwave technology is defined as LEDVANCE unique technology which can offer more natural & comfortable light

Application Note

- Suitable for indoor application.
- Switch off the light during installation
- Input voltage: 220-240V
- Frequency: 50-60HZ
- Storage temperature & humidity conditions (-20°C up to +80°C, at max. 95% relative humidity)
- Operating temperature & humidity conditions (-20°C up to +30°C, at max. 95% relative humidity)



Disposal Information

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



Product Information

LED VALUE PAR 16 50



Product Overview¹

Model Name	Basic Code	Wattage	Input Voltage	CCT	Lm
PAR16 50 VAL 4.5W 827 36° GU10	AC32214	4.5W	220V-240V	2700K	380lm
PAR16 50 VAL 4.5W 840 36° GU10	AC32215	4.5W	220V-240V	4000K	400lm
PAR16 50 VAL 4.5W 865 36° GU10	AC32216	4.5W	220V-240V	6500K	420lm
PAR16 50 VAL 4.5W 827 24° GU10	AC32217	4.5W	220V-240V	2700K	380lm

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 91% 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

- Full glass design, elegant appearance
- 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 lifetime²

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

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Ordering Guide

Product	Wattage	CCT	Lm	Candela	Diameter	Length	Weight	Beam Angle	EAN10	EAN40 (ship unit)	Ship. unit
LVPAR165036 4.5W/827230V GU1010X1AR6OSRAM	4.5W	2700K	380lm	750	50	54	41	36°	4058075588356	4058075588363	10
LVPAR165036 4.5W/840230V GU1010X1AR6OSRAM	4.5W	4000K	400lm	750	50	54	41	36°	4058075588370	4058075588387	10
LVPAR165036 4.5W/865230V GU1010X1AR6OSRAM	4.5W	6500K	420lm	800	50	54	41	36°	4058075588394	4058075588400	10
LVPAR165024 4.5W/827230V GU1010X1AR6OSRAM	4.5W	2700K	380lm	1000	50	54	41	24°	4058075588417	4058075588424	10

Common Characteristics³

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	Glass	<0.5 s	<0.5 s	0.5
Type	Nominal current	Tc temperature max. ⁵	CRI	Mercury max.	Standard deviation of color matching	Ambient temperature range
LED VALUE PAR16 50	35 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.

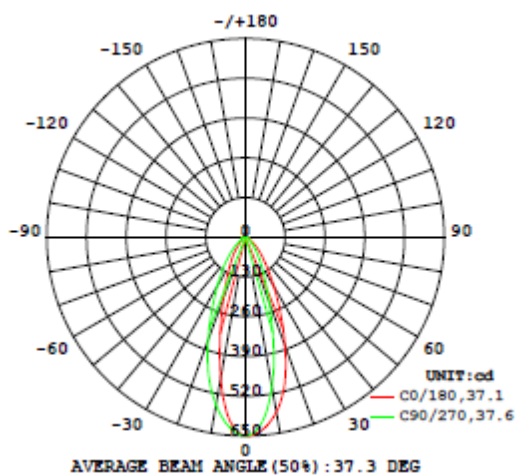
⁴ L70B50 is the average operating life of the LED Lamp during which the luminous flux is greater than or equal to 70% of the initial luminous flux, for 50% of the population. The lifetime is estimated at room temperature (25° C), free air burning, base up burning position and at rated voltage.

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)

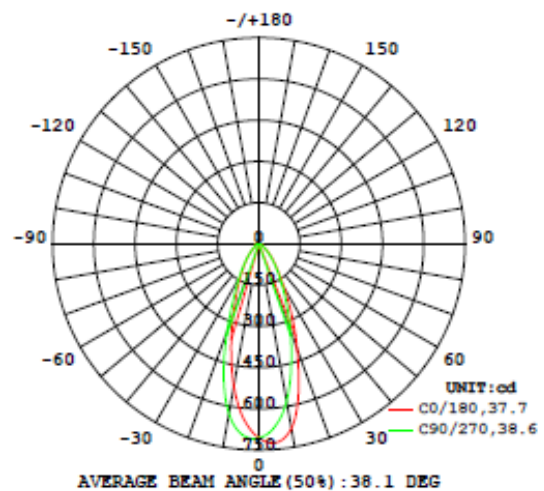
Product Information

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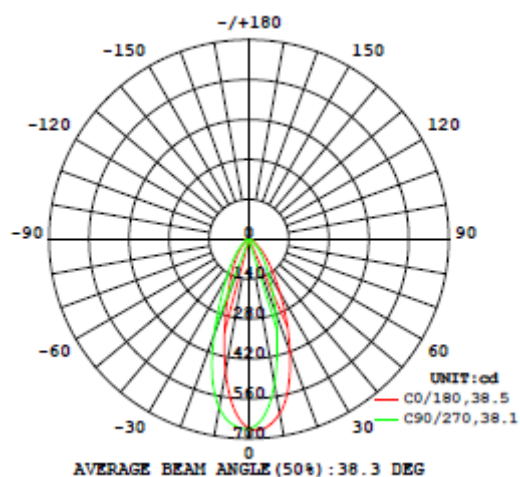
Light Distribution



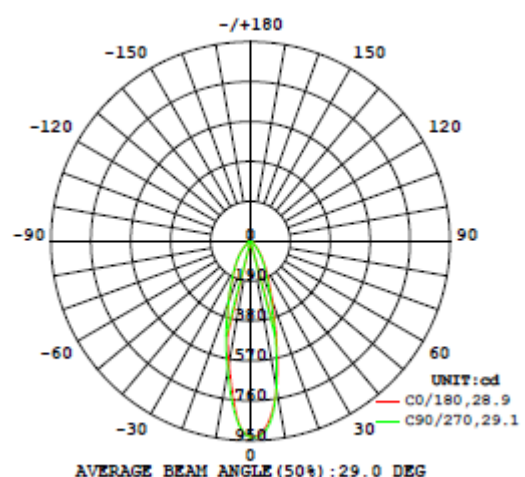
PAR16 50 VAL 4.5W 827 36° GU10



PAR16 50 VAL 4.5W 840 36° GU10



PAR16 50 VAL 4.5W 865 36° GU10



PAR16 50 VAL 4.5W 827 24° GU10

Product Information

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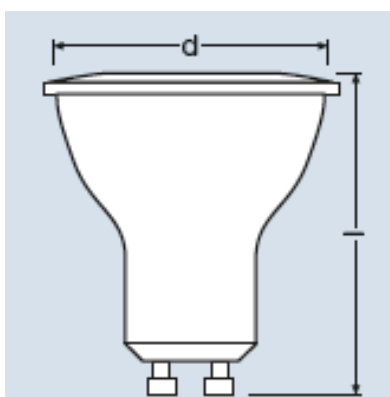
Application information

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- Restaurant
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- Art galleries and museum
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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)
- IEC 62778
- IEC 62471
- IEC 62560
- IEC 62493
- IEC 55015
- IEC 61000-3-2
- IEC 61547
- SASO2870

Lamp Dimension



	PAR16
D (mm)	50
l (mm)	54