

# PRODUCT DATASHEET LED PAR16 50 36° DIM P 4.5W 930 GU10

LED PAR16 DIM P | Dimmable LED reflector lamps PAR16 with retrofit pin 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
- Instant 100 % light, no warm-up time
- Lower energy consumption than incandescent or halogen lamps

#### **Product features**

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq$  5 sdcm
- Dimmable
- Lamp made of glass



#### **TECHNICAL DATA**

## Electrical data

Nominal wattage	4.5 W
Construction wattage	4.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	50 W
Nominal current	41 mA
Type of current	AC
Inrush current	2.56 A
Operating frequency	50 Hz
Mains frequency	50 Hz
Max. lamp number on MCB B10 A	81
Max. lamp number on MCB B16 A	129
Total harmonic distortion	120 %
Power factor $\lambda$	> 0.70

#### Photometrical data

Luminous intensity	680 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	77 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	90
Light color	930
Standard deviation of color matching	≤5 sdcm
Rated peak intensity	680 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST RKE 3000K

## Light technical data

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

## **Dimensions & Weight**

Overall length	54.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	39.00 g

## Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	85 °C

## Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96

## Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg
Mercury-free	Yes

#### Capabilities

1) Check dimmer compatibility at ledvance.com/compatibility

#### **Certificates & Standards**

Energy efficiency class	F <sup>1)</sup>
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1

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

## Country-specific categorizations

Order reference	LED PAR165036 D
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## LOGISTICAL DATA

#### 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)	GU10
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
Standby power	0 W
Claim of equivalent power	Yes
Length	54.00 mm

Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.4338
Chromaticity coordinate y	0.4030
R9 Colour rendering index	42
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1368283,1842028
Model number	AC45705,AC58003

## Safety advice

#### - Do not touch the lamp if broken.

- Must not be used if outer bulb is defective.

## DOWNLOAD DATA

	Documents and certificates	Document name		
POF	Declarations of conformity	PAR16 and GX53		
POF	Declarations of conformity	LED PA16		
POF	Declarations of conformity UKCA	LED PAR16		
	Photometric and lighting design files	Document name		
	IES file (IES)	PAR16 M2 50 36 930 GU10		
	LDT file (Eulumdat)	PAR16 M2 50 36 930 GU10		
	Light distribution curve type polar	PAR16 M2 50 36 930 GU10		
1	Spectral power distribution	Everlight 67-23ST RKE 3000K		

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854045462	Folding box 1	52 mm x 52 mm x 60 mm	45.00 g	0.16 dm <sup>3</sup>
4099854045479	Shipping box 10	270 mm x 114 mm x 72 mm	560.00 g	2.22 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
- For Guarantee see www.ledvance.com/guarantee

#### DISCLAIMER

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