PRODUCT DATASHEET
LED PAR16 50 36° DIM S 3.7W 940 GU10

LED PAR16 DIM S | LED reflector lamps



SUPERIOR CLASS

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: ≤ 3 SDCM
- Dimmable
- Base: GU10
- Lamp made of glass
- Excellent color rendering CRI > 97
- Lifetime up to 40,000 h



TECHNICAL DATA

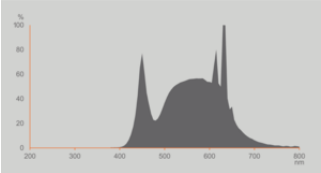
Electrical data

Nominal wattage	3.7 W
Construction wattage	3.70 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	50 W
Nominal current	22 mA
Type of current	AC
Inrush current	4.98 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	96
Max. lamp number on MCB B16 A	122
Maximum total harmonic distortion	74.2 %
Power factor λ	> 0.50

Photometrical data

Luminous intensity	600 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	94 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	97
Light color	940
Standard deviation of color matching	≤3 sdcm
Rated peak intensity	600 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

© 2026, LEDVANCE GmbH. All rights reserved.

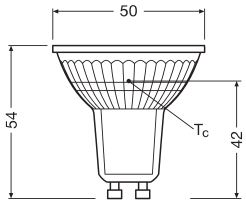


EPREL Data Spectral Diagram LEDr _CRI90_Blue light reduced_4000K

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	40.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	83.5 °C

Lifespan

Lifespan L70/B50 at 25 °C	40000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96

© 2026, LEDVANCE GmbH. All rights reserved.

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Spot
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 [1)]

1) Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	E [1)]
Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
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

LOGISTICAL DATA

Temperature range at storage	-20…+80 °C

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

© 2026, LEDVANCE GmbH. All rights reserved.

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	0.382
Chromaticity coordinate y	0.380
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.9
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	2176343,2499542
Model number	AC70537,AC91817

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
PDF	Declarations of conformity	LED lamp PAR16 GU10
PDF	Declarations of conformity	LED PAR16 50 36° GU10
PDF	Declarations of conformity UKCA	LED lamp PAR16 GU10
PDF	Declarations of conformity UKCA	LED PAR16 50 36° GU10

	Photometric and lighting design files	Document name
IES	IES file (IES)	LED PAR165036 DIM 3.7W 940 GU10 S LEDV
LDT	LDT file (Eulumdat)	LED PAR165036 DIM 3.7W 940 GU10 S LEDV

© 2026, LEDVANCE GmbH. All rights reserved.

	Photometric and lighting design files	Document name
	UGR file (UGR table)	LED PAR165036 DIM 3.7W 940 GU10 S LEDV
	Light distribution curve type polar	LED PAR165036 DIM 3.7W 940 GU10 S LEDV
	Spectral power distribution	EPREL Data Spectral Diagram LEDr _CRI90_Blue light reduced_4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854456251	Folding box 1	49 mm x 49 mm x 62 mm	47.00 g	0.15 dm^3
4099854456268	Shipping box 10	255 mm x 107 mm x 72 mm	523.00 g	1.96 dm^3

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

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

© 2026, LEDVANCE GmbH. All rights reserved.