

# PRODUCT DATASHEET LED PAR16 35 36° P 2.6W 830 GU10

LED PAR16 P | 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
- Instant 100 % light, no warm-up time

#### **Product features**

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq$  6 SDCM
- Not dimmable
- Lamp made of glass
- Good quality of light; color rendering index Ra: ≥ 80





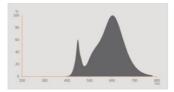
# TECHNICAL DATA

# Electrical data

Nominal wattage	2.6 W	
Construction wattage	2.60 W	
Nominal voltage	220240 V	
Operating mode	AC Mains	
Claimed equiv. conventional lamp power	35 W	
Nominal current	25 mA	
Type of current	AC	
Inrush current	4.3 A	
Operating frequency	50/60 Hz	
Mains frequency	50/60 Hz	
Max. lamp no. on circuit break. 10 A (B)	28	
Max. lamp no. on circuit break. 16 A (B)	33	
Power factor $\lambda$	> 0.40	

## Photometrical data

Luminous intensity	400 cd
Luminous flux	230 lm
Nominal useful luminous flux 90°	230 lm
Luminous efficacy	88 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	400 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4



# Light technical data

ı	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	37.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	77 °C

## Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

# Additional product data

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

	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown		
Product remark	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	No		
Certificates & Standards			
Energy efficiency class F 1)			
Energy consumption	3.00 kWh/1000h		
Type of protection	IP20		
Standards	CE / EAC		
Photobiological safety group acc. to EN62778	RG1		
Order reference	LED PAR163536 2		
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	LLD		
	DLS		
Mains or non-mains	DLS MLS		
Mains or non-mains  Light source cap-type (or other electric interface)	DLS MLS GU10		
Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	MLS		
Light source cap-type (or other electric interface)	MLS GU10		
Light source cap-type (or other electric interface)  Connected light source (CLS)	MLS GU10 No		
Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source	MLS GU10 No No		
Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope	MLS GU10 No No No		
Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source	MLS GU10 No No No No No		
Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield	MLS GU10 No No No No No No No		
Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield  Correlated colour temperature type	MLS GU10 No No No No No SINGLE_VALUE		

54.00 mm

Length

Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.434
Chromaticity coordinate y	0.403
R9 Colour rendering index	0.00
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	20.4
LED light source replaces a fluorescent light source	No
EPREL ID	1368222
Model number	AC45692

## DOWNLOAD DATA

#### Documents and certificates



Declarations Of Conformity CE

## Photometric and lighting design files



Spectral power distribution

# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854044731	Folding box 1	49 mm x 49 mm x 62 mm	44.00 g	0.15 dm <sup>3</sup>
4099854044748	Shipping box 10	255 mm x 107 mm x 72 mm	493.00 g	1.96 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**

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