PRODUCT DATASHEET
LED PAR16 80 36 ° 6.9 W/2700 K GU10

BELLALUX® PAR16 | LED reflector lamps PAR16 with retrofit pin base

Areas of application

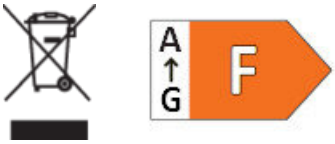
- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- As a downlight for marking walkways, doors, stairs, etc.
- Spotlighting for accents
- Outdoor applications only in suitable luminaires

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Instant 100 % light, no warm-up time
- Ideal for economical spotlighting

Product features

- LED alternative to conventional high voltage lamps
- Good quality of light; color rendering index R_a: ≥ 80
- Mercury-free lamps



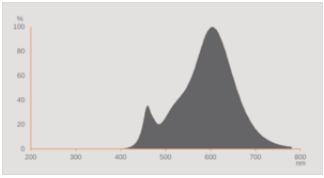
TECHNICAL DATA

Electrical data

Nominal wattage	6.9 W
Construction wattage	6.90 W
Nominal voltage	220…240 V
Claimed equiv. conventional lamp power	80 W
Nominal current	54 mA
Type of current	AC
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Power factor λ	> 0.50

Photometrical data

Luminous intensity	1150 cd
Luminous flux	575 lm
Nominal useful luminous flux 90°	575 lm
Luminous efficacy	83 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	1150 cd
Flickering metric (Pst LM)	<1
Stroboscope effect metric (SVM)	<0,4



LISO spectral power distribution 2700K CRI80 v1

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	42.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C

Lifespan

Lifespan L70/B50 at 25 °C	9000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	F
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

Country-specific categorizations

Order reference	LEDPAR1680366,9

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	
Networked standby power for CLS	
Claim of equivalent power	Yes
Length	54.00 mm
Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0,4578
Chromaticity coordinate y	0,411
R9 Colour rendering index	> 0
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	686621

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

	Photometric and lighting design files	Document name
	Spectral power distribution	LISO spectral power distribution 2700K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075619579	Folding box 1	53 mm x 53 mm x 61 mm	54.00 g	0.17 dm^3
4058075619586	Shipping box 10	271 mm x 111 mm x 74 mm	611.00 g	2.23 dm^3
4058075619593	Shipping box 80	465 mm x 288 mm x 173 mm	5412.00 g	23.17 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.

DISCLAIMER

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