

# PRODUCT DATASHEET

## PAR16 80 120° P 6.9W 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  $R_a: \geq 80$
- Lifetime: up to 15,000 h



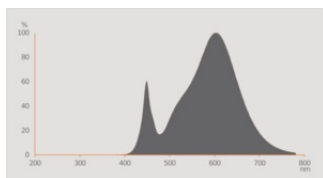
## TECHNICAL DATA

### Electrical data

Nominal wattage	6,9 W
Construction wattage	6.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	49 W
Nominal current	50 mA
Type of current	AC
Inrush current	1.29 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	200
Max. lamp no. on circuit break. 16 A (B)	320
Total harmonic distortion	120 %
Power factor $\lambda$	$\geq 0,70$

### Photometrical data

Luminous intensity	160 cd
Luminous flux	620 lm
Nominal useful luminous flux 90°	620 lm
Luminous efficacy	90 lm/W
Lumen main.fact.at end of nom.li	0.93
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	80
Light color	830
Standard deviation of color matching	$\leq 6$ sdcn
Rated peak intensity	160 cd
Rated LLMF at 6,000 h	0.80
Valoare pãlpãire Pst LM	1
Valoare efect stroboscopic SVM	0.4



### Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak valu	120.00 °

### Dimensions & Weight



Construction length [PICOS]	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	97.5 °C

### Lifespan

Nominal life time	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.93
Rated lamp survival factor at 6,	≥ 0.90

### Additional product data

Base (standard designation)	GU10
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Lamp mercury content	0.0 mg
Mercury-free	Yes
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	No
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### Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobio. safety group a EN62778	RG1

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

### Country-specific categorizations

Order reference	LED PAR1680120
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### LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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### Date privind reglementarea etichetării energetice (EU 2019/2015)

Tehnologia de iluminat utilizată	LED
Nedirecțională sau direcțională	NDLS
Cu alimentare de la rețea sau nealimentată de la rețea	MLS
Tipul de soclu al sursei de lumină (sau altă interfață electrică)	GU10
Sursă de lumină conectată (SLC)	No
Sursă de lumină cu posibilitatea de reglare a culorilor	No
Anvelopă	No
Surse de lumină cu lăminanță mare	No
Protecție antireflexie	No
Tip de temperatură de culoare corelată	SINGLE_VALUE
Puterea în modul standby	0.00 W
Puterea în modul standby pentru SLC	0 W

Declarație de putere echivalentă	Yes
Length	54.00 mm
Height (incl. cylin. luminaires) [calc.]	50.00 mm
Width (incl. round luminaires) [Calc.]	50.00 mm
Coordonata X a diagramei cromatica a culorilor	0.4338
Coordonata Y a diagramei cromatica a culorilor	0.403
Valoarea indicelui de redare a culorilor R9	1
Corespondență unghi fascicul	SPHERE_360
Factorul de supraviețuire	0.9
Factorul de defazaj	0.70
Sursa de lumină LED care înlocuiește o lumină fluorescentă	No
EPREL ID	1368244
Model number	AC45672

## 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
4099854055058	Folding box 1	52 mm x 52 mm x 60 mm	52.00 g	0.16 dm <sup>3</sup>
4099854055065	Shipping box 10	270 mm x 114 mm x 72 mm	593.00 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](http://www.ledvance.com/dim)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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