

# PRODUCT DATASHEET

## LED PAR16 80 120° DIM P 7.9W 927 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](http://www.ledvance.com/dim)
- Instant 100 % light, no warm-up time

### Product features

- LED alternative to high voltage halogen lamps
- High color consistency:  $\leq 5$  SDCM
- Dimmable
- Lamp made of glass
- Very high color rendering ( $R_a: 90$ )



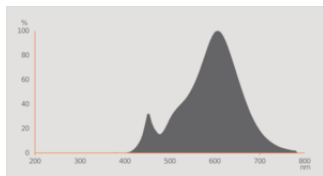
## TECHNICAL DATA

### Electrical data

Nominal wattage	7,9 W
Construction wattage	7.90 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	51 W
Nominal current	46 mA
Type of current	AC
Inrush current	1 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	117
Max. lamp no. on circuit break. 16 A (B)	187
Total harmonic distortion	120 %
Power factor $\lambda$	> 0,70

### Photometrical data

Luminous intensity	210 cd
Luminous flux	650 lm
Luminous efficacy	82 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	90
Light color	927
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Rated peak intensity	210 cd
Rated LLMF at 6,000 h	0.80
Мярка за трептене (Pst LM)	<1
Мярка за стробоскопичен ефект (SVM)	<0.4



### Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	52.00 mm
Diameter	50,00 mm
Maximum diameter	50 mm
Product weight	57,00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	105 °C

### Lifespan

Lifespan L70/B50 at 25 °C	25000 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
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 <sup>1)</sup>
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<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

### Certificates & Standards

Energy efficiency class	G <sup>1)</sup>
Energy consumption	8.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

<sup>1)</sup> 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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### Данни за енергийно етикетиране съгласно EU 2019/2015

Използвана технология за осветление	LED
Ненасочен или насочен	NDLS
Захранван или незахранван от електрическата мрежа	MLS
Тип на цокъла на светлинния източник (или друг електрически интерфейс)	GU10
Свързан светлинен източник (CLS)	No
Светлинен източник с възможност за настройване на цвета	No
Плик	No
Светлинен източник с висока яркост	No
Защита от заслепяване	No
Тип на корелирана цветна температура	SINGLE_VALUE
Консумация в режим на готовност	0 W
Консумация в мрежови режим на готовност за CLS	0 W
Заявена еквивалентна мощност	Yes
Length	52,00 mm
Height	50.00 mm
Width	50.00 mm
Координати на цветността x	0.,458

Координати на цветността у	0.41
R9 индекс на цвето предаване	0.00
Ъгъл на светлината	SPHERE_360
Коефициент на дълготрайност	0.90
Фактор на мощността	0.70
Светодиодният светлинен източник заменя луминесцентен светлинен източник	No
EPREL ID	1368273
Model number	AC45740

## 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
4099854059018	Folding box 1	49 mm x 49 mm x 62 mm	64.00 g	0.15 dm <sup>3</sup>
4099854059025	Shipping box 10	255 mm x 107 mm x 72 mm	690.00 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](http://www.ledvance.com/dim)
- For further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
- For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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