

PRODUCT DATASHEET LED PAR16 80 60° P 6.9W 840 GU10

PARATHOM® PAR16 | 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 : ≥ 80
- Lifetime: up to 15,000 h



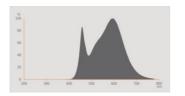
TECHNICAL DATA

Electrical data

Nominal wattage	6.9 W
Construction wattage	6.90 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	80 W
Nominal current	40 mA
Type of current	AC
Inrush current	9 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	141
Max. lamp no. on circuit break. 16 A (B)	225
Power factor λ	0.70

Photometrical data

Luminous intensity	600 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)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥80
Light color	840
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	600 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.1
Stroboscope effect metric (SVM)	0.1



Light technical data

Beam angle	60 °
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	37.5 д

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	93 ℃

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

Capabilities

Dimmable	No	
Certificates & Standards		

Energy ef	ficiency class	F ¹⁾	

Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
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	LPPAR168060 6,9
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Energy labelling regulation data acc EU 2019/2015

Lighting technology usedLEDNon-directional or directionalDLSMains or non-mainsMLSLight source cap-type (or other electric interface)GU10Connected light source (CLS)NoColor-tuneable light sourceNoEnvelopeNoHigh luminance light sourceNoAnti-glare shieldNoCorrelated colour temperature typeSINGLE_VALUEClaim of equivalent powerYesLengthS0.00 mmWidthS0.00 mmChromaticity coordinate x0.379Chromaticity coordinate y1Beam angle correspondenceNARROW_CONE_90Survival factor0.9Displacement factorNoLEDJight source tight sourceRep Colour temperature typeSI200 mmSurvival factor0.379Chromaticity coordinate x0.369Rep Colour rendering index1Beam angle correspondenceNARROW_CONE_90Survival factor0.70Displacement factorNoLED light source replaces a fluorescent light sourceNoEPEL IDS12281		
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LED light source replaces a fluorescent light source No EPREL ID 522981	Survival factor	0,9
EPREL ID 522981	Displacement factor	0.70
	LED light source replaces a fluorescent light source	No
	EPREL ID	522981
Model number AC32748	Model number	AC32748

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE
	Photometric and lighting design files
1	IES file (IES)
1	LDT file (Eulumdat)
	LDC typ polar
1	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075608795	Folding box 1	49 mm x 49 mm x 62 mm	55.00 g	0.15 dm³
4058075608801	Shipping box 10	255 mm x 107 mm x 72 mm	603.00 g	1.96 dm³

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 further products and actual information concerning LED lamps see www.ledvance.com/ledlamps

- For Guarantee see 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.