

PRODUCT DATASHEET

LED Superstar PAR16 80 120° DIM 7W 940 GU10

LED SUPERSTAR PAR16 | Dimmable 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
- Display cabinets and shop windows
- Spotlighting heat-sensitive objects such as food, plants, etc.
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- High color consistency thanks to narrow binning
- Easy replacement of halogen lamps due to compact full glass design and single optic
- Ideal for economical spotlighting

Product features

- LED alternative to conventional high voltage lamps
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Mercury-free lamps



TECHNICAL DATA

Electrical data

Nominal wattage	7 W
Construction wattage	7.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	51 W
Nominal current	41 mA
Type of current	AC
Inrush current	0.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	139
Max. lamp number on MCB B16 A	222
Total harmonic distortion	150 %
Power factor λ	0.70

Photometrical data

Luminous intensity	240 cd
Luminous flux	650 lm
Luminous efficacy	92 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	90
Light color	940
Standard deviation of color matching	≤ 5 sdcn
Rated peak intensity	240 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST HKE 4000K

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	42.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	95 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96

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
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Capabilities

Dimmable	Yes ¹⁾
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¹⁾ Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

Certificates & Standards

Energy efficiency class	F ¹⁾
Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
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	LSPR16D80120 7W
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015







Lighting technology used	LED
Non-directional or directional	NDLS
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	0 W
Claim of equivalent power	Yes
Length	52.00 mm

Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.382
Chromaticity coordinate y	0.373
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.7
LED light source replaces a fluorescent light source	No
EPREL ID	1403210,522995,1368275,1841982
Model number	AC32738,AC45742,AC24611,AC57989

Safety advice

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

DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	LED SPOT R50 PAR16
	Declarations of conformity	LED R39 R50 PAR16
	Declarations of conformity UKCA	LED R39 R50 PA16
Photometric and lighting design files		Document name
	IES file (IES)	LED PAR16 80 dim 120 CRI90 GU10
	LDT file (Eulumdat)	LED PAR16 80 dim 120 CRI90 GU10
	Spectral power distribution	Everlight 67-23ST HKE 4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433700	Folding box 1	49 mm x 49 mm x 95 mm	67.00 g	0.23 dm ³
4058075617520	Shipping box 6	168 mm x 111 mm x 71 mm	384.00 g	1.32 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.

References / Links

- For dimming conformity see www.ledvance.com/dim
- For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- 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.