

PRODUCT DATASHEET LED Star PAR16 50 36° 3.7W 827 GU10

LED STAR 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
- 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
- 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
- Mercury-free lamps





TECHNICAL DATA

Electrical data

Nominal wattage	3.7 W
Construction wattage	3.70 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	50 W
Nominal current	30 mA
Type of current	AC
Inrush current	4.98 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	96
Max. lamp number on MCB B16 A	122
Total harmonic distortion	155 %
Power factor λ	> 0.50

Photometrical data

Luminous intensity	600 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	94 lm/W
Lumen main.fact.at end of nom.life time	0.93
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	600 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST KKE 2700K

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
Maximum temperature at tc test point	87,5 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

Additional product data

Base (standard designation)	GU10
Mercury content	0.0 mg
Mercury-free	Yes

Design / version	Spot
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

Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	4.00 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	LSPAR165036 3,7

LOGISTICAL DATA

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	0 W
Claim of equivalent power	Yes
Length	54.00 mm

Width 50.00 mm Chromaticity coordinate x 0.4578 Chromaticity coordinate y 0.4101 R9 Colour rendering index 1 Beam angle correspondence NARROW_CONE_90 Survival factor 0.90 LED light source replaces a fluorescent light source No EPREL ID 2176413,2363507,2366025 Model number AC70617,AC83990,AC84521	Height	50.00 mm
Chromaticity coordinate y R9 Colour rendering index 1 Beam angle correspondence NARROW_CONE_90 Survival factor 0.90 LED light source replaces a fluorescent light source EPREL ID 2176413,2363507,2366025	Width	50.00 mm
R9 Colour rendering index Beam angle correspondence NARROW_CONE_90 Survival factor 0.90 LED light source replaces a fluorescent light source No EPREL ID 2176413,2363507,2366025	Chromaticity coordinate x	0.4578
Beam angle correspondence NARROW_CONE_90 Survival factor 0.90 LED light source replaces a fluorescent light source No EPREL ID 2176413,2363507,2366025	Chromaticity coordinate y	0.4101
Survival factor 0.90 LED light source replaces a fluorescent light source No EPREL ID 2176413,2363507,2366025	R9 Colour rendering index	1
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	LED light source replaces a fluorescent light source	No
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	Model number	AC70617,AC83990,AC84521

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	
PDF	Declarations of conformity	LED PAR16 GU10	
PDF	Declarations of conformity	LED lamps	
PDF	Declarations of conformity	LED lamp	
PDF	Declarations of conformity UKCA	LED PAR16 GU10	
PDF	Declarations of conformity UKCA	LED lamps	
PDF	Declarations of conformity UKCA	LED lamp	
	Photometric and lighting design files	Document name	
	Spectral power distribution	Everlight 67-23ST KKE 2700K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854458606	Folding box	49 mm x 49 mm x 95 mm	52.00 g	0.23 dm ³
4099854458613	Shipping box	168 mm x 111 mm x 71 mm	387.00 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 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.