

PRODUCT DATASHEET

ST PAR 16 50 36 ° 4.3 W/2700 K 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



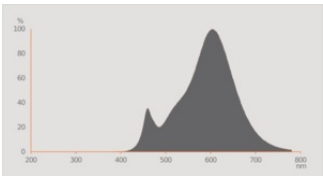
TECHNICAL DATA

Electrical data

Nominal wattage	4.3 W
Construction wattage	4.30 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	35 mA
Type of current	AC
Inrush current	3 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	303
Max. lamp number on MCB B16 A	484
Power factor λ	> 0.40

Photometrical data

Luminous intensity	720 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	81 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	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated peak intensity	720 cd
Flickering metric (Pst LM)	≤1
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	55.00 mm
Diameter	51.00 mm
Maximum diameter	51 mm
Product weight	45.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 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	No
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Certificates & Standards

Energy efficiency class	F ¹⁾
Energy consumption	5.00 kWh/1000h

Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

ILCOS	DRPAR-4,3/840-220-240-GU10-50/36
Order reference	LSPAR165036 4,3

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	55.00 mm
Height	51.00 mm
Width	51.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	>0.4
LED light source replaces a fluorescent light source	No
EPREL ID	1402940,1403128

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	EC Declaration of Conformity Self-ballasted LED lamp
Photometric and lighting design files		Document name
	IES file (IES)	AC08018_PAR165W
	LDT file (Eulumdat)	AC08018_PAR165W
	Light distribution curve type cone	LSPAR165036 4,3W 827 230V GU10 BLI3OSRAM
	Light distribution curve type cone	LSPAR165036 4,3W 827 230V GU10 BLI2OSRAM
	Light distribution curve type polar	LSPAR165036 4,3W 827 230V GU10 BLI2OSRAM
	Light distribution curve type polar	LSPAR165036 4,3W 827 230V GU10 BLI3OSRAM
	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
4052899958074	Blister 1	50 mm x 140 mm x 120 mm	56.00 g	0.84 dm ³
4052899958777	Shipping box 10	290 mm x 254 mm x 134 mm	650.00 g	9.87 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.