

# PRODUCT DATASHEET LED Star PAR16 50 36° 3.7W 827 E14

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





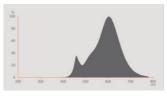
## TECHNICAL DATA

## 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 $\lambda$	> 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

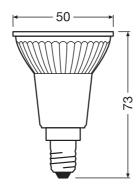


Everlight 67-23ST KKE 2700K

# Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

## Dimensions & Weight



Overall length	71.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	41.00 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	10000 h
Number of switching cycles	100000

Lumen maintenance at end of service lifetime	0.93
additional product data	
Base (standard designation)	E14
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Spot
All technical parameters apply to the entire lamp / production process for light-emitting diodes, the typical remark  Product remark  for the technical LED parameters are purely statist not necessarily match the actual technical parameters individual product, which can vary from the typical statistics.	
Capabilities	
Dimmable	No
Certificates & Standards	
er uncates & 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
) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (l	owest efficiency)
Country-specific categorizations  Order reference	LSPAR165036 3,7
Country-specific categorizations	LSPAR165036 3,7
Country-specific categorizations  Order reference	LSPAR165036 3,7 -20+80 °C
Country-specific categorizations  Order reference  COGISTICAL DATA  Temperature range at storage	
Country-specific categorizations  Order reference  COGISTICAL DATA  Temperature range at storage	
Country-specific categorizations Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015	-20+80 °C
Country-specific categorizations Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used	-20+80 °C
Country-specific categorizations  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional	-20+80 °C  LED  DLS
Country-specific categorizations Order reference  COGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains	-20+80 °C  LED  DLS  MLS
Country-specific categorizations Order reference  COGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface)	-20+80 °C  LED  DLS  MLS  E14
Country-specific categorizations  Order reference  COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	-20+80 °C  LED  DLS  MLS  E14  No

Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0 W
Claim of equivalent power	Yes
Length	71.00 mm
Height	50.00 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	2176364,2363511,2366005
Model number	AC70602,AC83966,AC84515

# 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
4099854458705	Folding box	51 mm x 51 mm x 130 mm	47.00 g	0.34 dm <sup>3</sup>
4099854458712	Shipping box	174 mm x 115 mm x 106 mm	434.00 g	2.12 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 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.