

# PRODUCT DATASHEET ST PAR 16 50 120° 4.3 W/2700 K 220...240 V 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**

- Low energy consumption
- 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





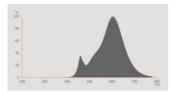
## **TECHNICAL DATA**

## Electrical data

Nominal wattage	4.3 W
Construction wattage	4.30 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	30 W
Nominal current	38 mA
Type of current	AC
Inrush current	4.28 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	28
Max. lamp no. on circuit break. 16 A (B)	33
Total harmonic distortion	78 %
Power factor $\lambda$	> 0.40

#### Photometrical data

Luminous intensity	100 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 sdcm
Rated peak intensity	100 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4



# Light technical data

Beam angle	120 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	120.00 °

# **Dimensions & Weight**

Overall length	56.00 mm
Diameter	51,0 mm
Maximum diameter	50 mm
Product weight	39.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	90 °C

## Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 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	G <sup>1)</sup>
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

# Country-specific categorizations

## **LOGISTICAL DATA**

Temperature range at storage	-20+80 °C

# 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
Networked standby power for CLS	0 W
Claim of equivalent power	Yes
Length	56.00 mm
Height	51,0 mm
Width	51,0 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410

0.00
SPHERE_360
0.90
>0.4
No
1402942,1403129,522943,1368229
AC32707,AC45699,AC16522,AC26518

#### **DOWNLOAD DATA**

	DOWNLOAD DATA
PDF	PRODUCT DATASHEET
PDF	Declarations Of Conformity CE
ZIP	zEulumdat (archived) - do not use

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075303263	Folding box 1	49 mm x 49 mm x 95 mm	49.00 g	0.23 dm <sup>3</sup>
4058075617681	Shipping box 6	168 mm x 111 mm x 71 mm	346.00 g	1.32 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

## **DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.