

PRODUCT DATASHEET

SST PAR 16 50 36 ° 4.8 W/2700 K E14

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

- Low energy consumption
- 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	4.8 W
Construction wattage	4.80 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	50 W
Nominal current	28 mA
Type of current	AC
Inrush current	1.17 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	285
Max. lamp no. on circuit break. 16 A (B)	457
Power factor λ	> 0.50

Photometrical data

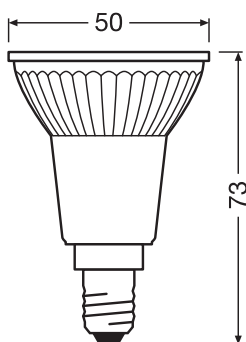
Luminous intensity	600 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	72 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥90
Light color	927
Standard deviation of color matching	≤6 sdcM
Rated peak intensity	600 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Light technical data

Beam angle	36 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	36.00 °

Dimensions & Weight



Overall length	73.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	44.00 g

Temperatures & operating conditions

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

Lifespan

Lifespan	25000 h
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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)	E14
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	Yes
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Certificates & Standards

Energy efficiency class	F ¹⁾
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE
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	LSPAR16D5036 4,
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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)	E14
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	73.00 mm
Height	50.00 mm
Width	50.00 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	yes
EPREL ID	522920
Model number	AC32684,AC32684,AC32684

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433144	Folding box 1	51 mm x 51 mm x 130 mm	59.00 g	0.34 dm ³
4058075433151	Shipping box 10	276 mm x 115 mm x 106 mm	675.00 g	3.36 dm ³
4058075616776	Shipping box 6	174 mm x 115 mm x 106 mm	452.00 g	2.12 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.