

## PRODUCT DATASHEET

### LED Star PAR11 35 36° DIM 3W 827 GU10

LED SUPERSTAR PAR11 | LED reflector lamps



#### Areas of application

- Shops
- Hospitality
- Museums, art galleries
- Residential interiors
- Spotlighting for accents
- As a downlight for marking walkways, doors, stairs, etc.
- Display cabinets and shop windows
- Outdoor use in suitable outdoor luminaires only

#### Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Ideal for economical spotlighting

#### Product features

- Dimmable
- Mercury-free lamps
- Lifetime up to 25,000 h



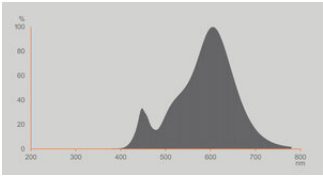
## TECHNICAL DATA

## Electrical data

Nominal wattage	3 W
Construction wattage	3.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	35 W
Nominal current	18 mA
Type of current	AC
Inrush current	0.3 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	400
Max. lamp number on MCB B16 A	700
Total harmonic distortion	< 120 %
Power factor $\lambda$	> 0.50

## Photometrical data

Luminous intensity	400 cd
Luminous flux	230 lm
Nominal useful luminous flux 90°	230 lm
Luminous efficacy	76 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	400 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



LSPAR11D3536 3W/827 230V  
GU10

Light technical data

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

Dimensions & Weight

Overall length	48.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	23.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	79.8 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 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	Yes <sup>1)</sup>
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<sup>1)</sup> Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / 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

Order reference	LSPAR11D3536 3W
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### LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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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)	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	48.00 mm
Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0,458
Chromaticity coordinate y	0,410
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.9
Displacement factor	/
LED light source replaces a fluorescent light source	No
EPREL ID	1382165,2363521
Model number	AC45939,AC45939,AC83961

### 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	PAR11 PAR16 GU10
Photometric and lighting design files		Document name
	IES file (IES)	LSPAR11D3536 3W 827 230V GU10
	LDT file (Eulumdat)	LSPAR11D3536 3W 827 230V GU10
	Light distribution curve type polar	LSPAR11D3536 3W 827 230V GU10
	Spectral power distribution	LSPAR11D3536 3W/827 230V GU10

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854064111	Folding box 1	34 mm x 49 mm x 95 mm	31.00 g	0.16 dm <sup>3</sup>
4099854064128	Shipping box 6	121 mm x 109 mm x 104 mm	202.00 g	1.37 dm <sup>3</sup>
4099854064135	Shipping box 48	258 mm x 234 mm x 234 mm	2294.00 g	14.13 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.

DISCLAIMER

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