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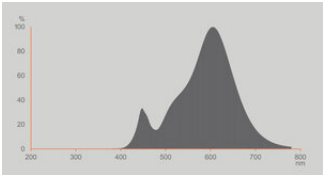
– Dimmable
– Mercury-free lamps
– Lifetime: up to 25,000 h

A → G   F

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 no. on circuit break. 10 A (B)	400
Max. lamp no. on circuit break. 16 A (B)	700
Total harmonic distortion	< 120 %
Power factor λ	> 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 sdcm
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

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 [1]

[1] Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	F [1]
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
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	LSPAR11D3536 3W

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	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
Model number	AC45939

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE

	Photometric and lighting design files
IES	IES file (IES)
LDT	LDT file (Eulumdat)
	LDC typ polar
	Spectral power distribution

LOGISTICAL DATA

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 dm³
4099854064128	Shipping box 6	121 mm x 109 mm x 104 mm	235.00 g	1.37 dm³
4099854064135	Shipping box 48	258 mm x 234 mm x 234 mm	2302.00 g	14.13 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.

DISCLAIMER

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

GU10