

PRODUCT DATASHEET LED Star PAR16 35 36° 2.6W 827 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	2.6 W
Construction wattage	2.60 W
Nominal voltage	220240 V
Operating mode	AC
Claimed equiv. conventional lamp power	35 W
Nominal current	25 mA
Type of current	AC
Inrush current	7 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	42
Max. lamp no. on circuit break. 16 A (B)	53
Power factor λ	> 0.40

Photometrical data

Luminous intensity	400 cd
Luminous flux	230 lm
Nominal useful luminous flux 90°	230 lm
Luminous efficacy	88 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
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	54.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	40.00 g

Temperatures & operating conditions

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

Lifespan

Lifespan L70/B50 at 25 °C	15000 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

February 06, 2024, 15:47:01 LED Star PAR16 35 36° 2.6W 827 GU10

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		
Certificates & Standards			
Energy efficiency class	F ¹⁾		
Energy consumption	3.00 kWh/1000h		
Type of protection	IP20		
Standards	CE / EAC		
Photobiological safety group acc. to EN62778 RG1			
Order reference	LSPAR163536 2,6		
Order reference	DRPAR-2,6/840-220-240-GU10-50/36 LSPAR163536 2,6		
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			
Color-tuneable light source	No		
Envelope Envelope	No No		
<u> </u>			
Envelope	No		
Envelope High luminance light source	No No		
Envelope High luminance light source Anti-glare shield	No No		

0 W

Yes

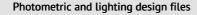
Networked standby power for CLS

Claim of equivalent power

Length	54.00 mm
Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	0,4
LED light source replaces a fluorescent light source	No
EPREL ID	1402938,1403125,522950,1368221
Model number	AC32699,AC45691,AC16515,AC26511

DOWNLOAD DATA

	Documents and certificates
PDF	Declarations Of Conformity CE





Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075233263	Folding box 1	49 mm x 49 mm x 95 mm	50.00 g	0.23 dm ³
4058075617711	Shipping box 6	168 mm x 111 mm x 71 mm	340.00 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.