PRODUCT DATASHEET
LED Superstar Plus MR16 35 36° DIM 5W 927 GU5.3

LED SUPERSTAR PLUS MR16 | Dimmable LED reflector lamps MR16 with pin base, natural daylight

Areas of application

– Shops and exhibition rooms
– Domestic applications
– Commercial applications
– Accent lighting
– Outdoor use in suitable outdoor luminaires only

Product benefits

– Quick, simple and safe replacement without rewiring
– Design, dimensions, luminous flux comparable to a halogen lamp
– Natural light spectrum with outstanding color rendering of CRI>90
– Greatly reduced blue component
– Improved visual comfort and reduced eye strain
– Low maintenance costs and cost savings thanks to long lifetime
– Low flickering
– Lower energy consumption than incandescent or halogen lamps

Product features

– LED alternative to conventional low voltage lamps
– Dimmable
– Base: GU5.3

A↑G **G**

– Color rendering index R_a: ≥ 90
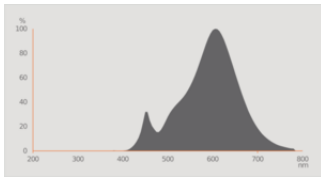
– Lamp made of glass

TECHNICAL DATA

Electrical data

Nominal wattage	5 W
Construction wattage	5.00 W
Nominal voltage	12 V
Operating mode	12V AC/DC [1]
Claimed equiv. conventional lamp power	35 W
Nominal current	450 mA
Type of current	AC/DC
Inrush current	8.70 A
Max. lamp number on MCB B10 A	26
Max. lamp number on MCB B16 A	41
Total harmonic distortion	150 %
Power factor λ	0.70

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

Photometrical data

Luminous intensity	700 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	70 lm/W
Lumen main.fact.at end of nom.life time	0.96
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	700 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

Everlight 67-23ST HKE 2700K

Light technical data

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

Dimensions & Weight

Overall length	44.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	34.00 g

Temperatures & operating conditions

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

Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96

Additional product data

Base (standard designation)	GU5.3
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	G [1]
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
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	LSSPMR163536 5W

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	NMLS
Light source cap-type (or other electric interface)	GU5.3
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
Claim of equivalent power	Yes
Length	44.00 mm

Height	50.00 mm
Width	50.00 mm
Chromaticity coordinate x	0.453
Chromaticity coordinate y	0.4034
R9 Colour rendering index	45
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.90
Displacement factor	0.9
LED light source replaces a fluorescent light source	No
EPREL ID	642826,1841952
Model number	AC35791,AC58013

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	LED MR16
PDF	Declarations of conformity	LED MR16
PDF	Declarations Of Conformity UKCA	LED MR16

	Photometric and lighting design files	Document name
	Spectral power distribution	Everlight 67-23ST HKE 2700K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075613201	Folding box 1	49 mm x 49 mm x 95 mm	48.00 g	0.23 dm^3
4058075613218	Shipping box 6	168 mm x 111 mm x 71 mm	339.00 g	1.32 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 Guarantee see www.ledvance.com/guarantee

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