

PRODUCT DATASHEET LED Superstar Plus R50 60 36° DIM 4.8W 940 E14

LED SUPERSTAR PLUS R50 | Dimmable LED reflector lamps R50 with screw 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 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: E14
- Color rendering index R_a : ≥ 90
- Lamp made of glass

TECHNICAL DATA

Electrical data

Nominal wattage	4.8 W
Construction wattage	4.80 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	27 mA
Type of current	AC
Inrush current	0.9 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	162
Max. lamp number on MCB B16 A	259
Total harmonic distortion	120 %
Power factor λ	0.70

Photometrical data

Luminous intensity	607 cd
Luminous flux	345 lm
Nominal useful luminous flux 90°	345 lm
Luminous efficacy	71 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	90
Light color	940
Standard deviation of color matching	≤5 sdcm
Rated peak intensity	607 cd
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST HKE 4000K

Light technical data

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

Dimensions & Weight

Overall length	85.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	50.00 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)	E14
Mercury content	0.0 mg
Mercury-free	Yes

Capabilities

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	LSSPR506036 4,8
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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)	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
Claim of equivalent power	Yes
Length	85.00 mm

Height	50.00 mm	
Width	50.00 mm	
Chromaticity coordinate x	0.3754	
Chromaticity coordinate y	0.366	
R9 Colour rendering index	1	
Beam angle correspondence	NARROW_CONE_90	
Survival factor	0.90	
Displacement factor	0.7	
LED light source replaces a fluorescent light source	No	
EPREL ID	642833,1368257,1841962,2499566	
Model number	AC35798,AC45723,AC58018,AC58018,AC91814	

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		
POF	Declarations of conformity	LED SPOT R50 PAR16		
POF	Declarations of conformity	LED R39 R50 PAR16		
POF	Declarations of conformity UKCA	LED R39 R50 PA16		
	Photometric and lighting design files	Document name		
	Spectral power distribution	Everlight 67-23ST HKE 4000K		

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075620360	Folding box 1	51 mm x 51 mm x 130 mm	65.00 g	0.34 dm ³
4058075620377	Shipping box	174 mm x 115 mm x 106 mm	488.00 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 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.