

PRODUCT DATASHEET LED Star R50 25 36° 1.5W 827 E14

LED STAR R50 | LED reflector lamps R50 with retrofit screw base



Areas of application

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

Product benefits

- Long lifetime of up to 15,000 h
- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of halogen lamps thanks to compact design
- Instant 100 % light, no warm-up time

Product features

- Professional LED alternative to halogen lamps
- Mercury-free lamps





TECHNICAL DATA

Electrical data

Nominal wattage	1.5 W
Construction wattage	1.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	25 W
Nominal current	12 mA
Type of current	AC
Inrush current	9.6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	330
Max. lamp number on MCB B16 A	516
Total harmonic distortion	150 %
Power factor λ	> 0.40

Photometrical data

Luminous intensity	248 cd
Luminous flux	110 lm
Nominal useful luminous flux 90°	110 lm
Luminous efficacy	73 lm/W
Lumen main.fact.at end of nom.life time	0.93
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	248 cd
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



Everlight 67-23ST KKE 2700K

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	49.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	63 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

Additional product data

Base (standard designation)	E14
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	No
Certificates & Standards	
Energy efficiency class	F 1)
Energy consumption	2.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG1
OGISTICAL DATA	
LOGISTICAL DATA	
	22 22 22
Temperature range at storage	-20+80 °C
	-20+80 °C
	-20+80 °C
Energy labelling regulation data acc EU 2019/2015	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used	LED
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional	LED DLS
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains	LED DLS MLS
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface)	LED DLS MLS E14
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	LED DLS MLS E14 No
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source	LED DLS MLS E14 No No
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	LED DLS MLS E14 No No
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source	LED DLS MLS E14 No No No No
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield	LED DLS MLS E14 No No No No No No
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Correlated colour temperature type	LED DLS MLS E14 No No No No No Single_value

85.00 mm

50.00 mm

Length

Height

Width	50.00 mm	
Chromaticity coordinate x	0.452	
Chromaticity coordinate y	0.4104	
R9 Colour rendering index	1	
Beam angle correspondence	NARROW_CONE_90	
Survival factor 0.9		
Displacement factor	0.50	
LED light source replaces a fluorescent light source	No	
EPREL ID	1402944,1403193,522937,1368209,1842014	
Model number AC32661,AC45715,AC16741,AC24573,AC57953,AC57953		

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	
PDF	Declarations of conformity LED SPOT R50 PAR16		
PDF	Declarations of conformity	LED R39 R50 PAR16	
PDF	Declarations of conformity UKCA	LED R39 R50 PA16	
	Photometric and lighting design files	Document name	
4	Spectral power distribution	Everlight 67-23ST KKE 2700K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075125902	Folding box 1	51 mm x 51 mm x 130 mm	64.00 g	0.34 dm ³
4058075125919	Shipping box 10	276 mm x 115 mm x 106 mm	834.00 g	3.36 dm ³
4058075616479	Shipping box 6	174 mm x 115 mm x 106 mm	482.00 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 further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- For Guarantee see www.ledvance.com/guarantee

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