

PRODUCT DATASHEET LED Star R50 40 36° 2.6W 840 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





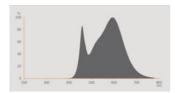
TECHNICAL DATA

Electrical data

Nominal wattage	2.6 W
Construction wattage	2.60 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	20 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	213
Max. lamp number on MCB B16 A	341
Total harmonic distortion	150 %
Power factor λ	> 0.40

Photometrical data

Luminous intensity	398 cd	
Luminous flux	210 lm	
Nominal useful luminous flux 90°	210 lm	
Luminous efficacy	80 lm/W	
Lumen main.fact.at end of nom.life time	0.95	
Light color (designation)	Cool White	
Color temperature	4000 K	
Color rendering index Ra	80	
Light color	840	
Standard deviation of color matching	≤6 sdcm	
Rated peak intensity	398 cd	
Flickering metric (Pst LM)	1	
Stroboscope effect metric (SVM)	0.4	



Everlight 67-23ST KKE 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	49.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	72.3 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.95

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	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG1
Country-specific categorizations	
Country-specific categorizations	
Country-specific categorizations Order reference	LEDSR5040 2,6W/
*	LEDSR5040 2,6W/
Order reference	LEDSR5040 2,6W/
Order reference OGISTICAL DATA	
Order reference OGISTICAL DATA Temperature range at storage	
Order reference OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015	-20+80 °C
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Order reference OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional	-20+80 °C LED DLS
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Order reference OGISTICAL DATA Temperature range at storage 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)	-20+80 °C LED DLS MLS E14
Order reference OGISTICAL DATA Temperature range at storage 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)	-20+80 °C LED DLS MLS E14 No
Order reference OGISTICAL DATA Temperature range at storage 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	-20+80 °C LED DLS MLS E14 No No
Order reference OGISTICAL DATA Temperature range at storage 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	-20+80 °C LED DLS MLS E14 No No
Order reference OGISTICAL DATA Temperature range at storage 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	-20+80 °C LED DLS MLS E14 No No No No
Order reference OGISTICAL DATA Temperature range at storage 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	-20+80 °C LED DLS MLS E14 No No No No No No

85.00 mm

50.00 mm

Length

Height

Width	50.00 mm	
Chromaticity coordinate x	0.3805	
Chromaticity coordinate y	0.3752	
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	1403195,522932,1368211,1842016	
Model number	AC32663,AC45717,AC24575,AC57955,AC57955	

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	
	Spectral power distribution	Everlight 67-23ST KKE 4000K	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075433342	Folding box	51 mm x 51 mm x 130 mm	64.00 g	0.34 dm ³
4058075616431	Shipping box	174 mm x 115 mm x 106 mm	465.00 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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