

# PRODUCT DATASHEET LED Star R50 40 36° 2.6W 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	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
Eurimous intensity	000 00
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)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated peak intensity	398 cd
Flickering metric (Pst LM)	1.0
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	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  Order reference	LEDSR5040 2,6W/		
LOGISTICAL DATA	2223.00.02,00.0		
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			

50.00 mm

Height

Width	50.00 mm	
Chromaticity coordinate x	0.452	
Chromaticity coordinate y	0.4014	
R9 Colour rendering index	1	
Beam angle correspondence	NARROW_CONE_90	
Survival factor	0.9	
Displacement factor	0.5	
LED light source replaces a fluorescent light source	No	
EPREL ID	1403194,522933,1368210,1842015	
Model number AC32662,AC45716,AC24574,AC57954,AC57954		

# 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	
POF	Declarations of conformity UKCA	LED R39 R50 PA16	
	Photometric and lighting design files	Document name	
們	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
4058075125926	Folding box 1	51 mm x 51 mm x 130 mm	64.00 g	0.34 dm <sup>3</sup>
4058075125933	Shipping box 10	276 mm x 115 mm x 106 mm	832.00 g	3.36 dm <sup>3</sup>
4058075616455	Shipping box 6	174 mm x 115 mm x 106 mm	482.00 g	2.12 dm <sup>3</sup>

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.