

PRODUCT DATASHEET

ST R50 60 36 ° 4.3 W/2700 K 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 applications only in suitable luminaires

Product benefits

- Long lifetime of up to 15,000 h
- Low energy consumption
- 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	4.3 W
Construction wattage	4.30 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	60 W
Nominal current	34.5 mA
Type of current	AC
Inrush current	9.6 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	129
Max. lamp no. on circuit break. 16 A (B)	206
Power factor λ	0.40

Photometrical data

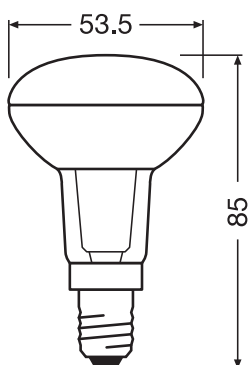
Luminous intensity	582 cd
Luminous flux	350 lm
Nominal useful luminous flux 90°	350 lm
Luminous efficacy	81 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated peak intensity	582 cd
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	0.1
Stroboscope effect metric (SVM)	0.1

Light technical data

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

Rated beam angle (half peak value)	36.00 °
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Dimensions & Weight



Overall length	85.00 mm
Length	85.00 mm
Width (incl. round luminaires)	50.00 mm
Height (incl. round luminaires)	50.00 mm
Diameter	50.00 mm
Maximum diameter	50 mm
Product weight	62.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	85 °C

Lifespan

Nominal lamp life time	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

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
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Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	F ¹⁾
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
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	LEDSR5060 4,3W/
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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
Claim of equivalent power	Yes
Chromaticity coordinate x	0.455
Chromaticity coordinate y	0.405
R9 Colour rendering index	1
Beam angle	NARROW_CONE_90
Survival factor	0,9
Displacement factor	0.50

LED light source replaces a fluorescent light source
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not applicable

DOWNLOAD DATA

DOWNLOAD DATA



PRODUCT DATASHEET
LEDSR5060 4,3W/827 230VGLE1410XFC1OSRAM

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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DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.