

# PRODUCT DATASHEET LED R50 25 36° P 1.5W 827 E14

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



#### 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 an incandescent or halogen lamp
- Low maintenance costs thanks to long lifetime
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Lower energy consumption than incandescent or halogen lamps

### Product features

- LED alternative to high voltage halogen lamps
- Not dimmable
- Base: E14
- Lamp made of glass
- Good quality of light; color rendering index CRI  $\geq$  80
- Lifetime up to 15,000 h





# 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 $\lambda$	> 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)	1.0
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	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 / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1
Ouder reference	1 ED D000000 1 E
Order reference	LED R502536 1.5
Order reference  OGISTICAL DATA	LED R502536 1.5
	LED R502536 1.5
OGISTICAL DATA	
OGISTICAL DATA  Temperature range at storage	
COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015	-20+80 °C
COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used	-20+80 °C
COGISTICAL 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
COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains	-20+80 °C  LED  DLS  MLS
COGISTICAL 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
Connected light source (CLS)  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  No
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
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
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
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
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  Correlated colour temperature type	-20+80 °C  LED  DLS  MLS  E14  No  No  No  No  No  SINGLE_VALUE

50.00 mm

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	0.90	
Displacement factor	0.5	
LED light source replaces a fluorescent light source	No	
EPREL ID	1368209,1842014	
Model number AC45715,AC57953,AC57953		

### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

Spectral power distribution

### 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	

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### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854058639	Folding box 1	51 mm x 51 mm x 88 mm	61.00 g	0.23 dm <sup>3</sup>
4099854058646	Shipping box 10	287 mm x 119 mm x 106 mm	726.00 g	3.62 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.