

PRODUCT DATASHEET

LED Star Grow Lamp Filament 100° 7.5W E27

LED STAR GROW SPOT LAMP | Led lamp with special color spectrum



Areas of application

- Indoor applications
- Residential interiors

Product benefits

- Special color spectrum which promotes growth of plants
- Stimulate photosynthesis
- Easy and cost-effective operation

Product features

- LED grow light bulb
- Mercury-free lamps



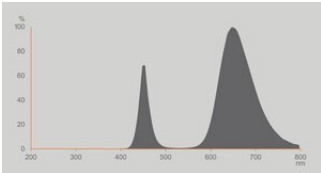
TECHNICAL DATA

Electrical data

Nominal wattage	7.5 W
Construction wattage	7.50 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	15 W
Nominal current	43 mA
Type of current	AC
Inrush current	1.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	166
Max. lamp number on MCB B16 A	212
Total harmonic distortion	90 %

Photometrical data

Luminous flux	140 lm
Nominal useful luminous flux 90°	140 lm
Luminous efficacy	18 lm/W
Lumen main.fact.at end of nom.life time	0.87
Light color (designation)	Warm White
Color temperature	1300 K
Light color	13
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



LED R63 GROW LAMP FIL E27

Light technical data

Beam angle	100 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	100.00 mm
Diameter	63.00 mm
Maximum diameter	63 mm
Product weight	34.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	78 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.87

Additional product data

Base (standard designation)	E27
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
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Certificates & Standards

Energy consumption	8.00 kWh/1000h
Type of protection	IP20

Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG1

Country-specific categorizations

Order reference	LEDS R63 GROW L
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	E27
Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Standby power	0 W
Claim of equivalent power	Yes
Length	100.00 mm
Height	63.00 mm
Width	63.00 mm
Chromaticity coordinate x	0.431
Chromaticity coordinate y	0.194
R9 Colour rendering index	51
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	> 0.7
LED light source replaces a fluorescent light source	No

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
	On-Pack-Info	ELR - exempt lamps
	Declarations of conformity	LED R63 GROW LAMP
	Declarations of conformity UKCA	LED R63 GROW LAMP
Photometric and lighting design files		Document name
	IES file (IES)	LEDS R63 GROW LAMP 7.5W 230V FIL E27
	LDT file (Eulumdat)	LEDS R63 GROW LAMP 7.5W 230V FIL E27
	Light distribution curve type polar	LEDS R63 GROW LAMP 7.5W 230V FIL E27
	Spectral power distribution	LED R63 GROW LAMP FIL E27

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854245138	Folding box 1	64 mm x 64 mm x 145 mm	52.00 g	0.59 dm ³
4099854245145	Shipping box 6	212 mm x 143 mm x 120 mm	420.00 g	3.64 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
- Further information see www.ledvance.com/low-voltage-ledlamps

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