

PRODUCT DATASHEET

ST LINE 118.00 mm 100 12.5 W/2700 K R7s

LED STAR LINE R7s | Double-ended special LED lamps



Areas of application

- Hospitality
- Domestic applications
- Outdoor applications only in suitable luminaires

Product benefits

- Long lifetime of up to 15,000 h
- Low energy consumption
- Three year guarantee
- Good all-around light emission
- Fits into most R7s luminaires thanks to excentric base

Product features

- LED alternative to conventional R7s lamps



TECHNICAL DATA

Electrical data

Nominal wattage	12.5 W
Construction wattage	12.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	100 mA
Type of current	AC
Inrush current	7.2 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	43
Max. lamp no. on circuit break. 16 A (B)	69
Power factor λ	0.50

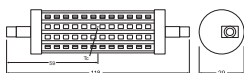
Photometrical data

Luminous intensity	200 cd
Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	121 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 sdc _m
Rated peak intensity	200 cd
Rated LLMF at 6,000 h	0.80

Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	118.00 mm
Diameter	29 mm
Maximum diameter	29 mm
Product weight	87.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	97 °C

Lifespan

Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	R7s
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	A++ 1)
Energy consumption	12.50 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

1) Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

ILCOS	DRDG-12,5/827-230-R7s-114,2
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Order reference	RLLINE100 12,5W
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Energy labelling regulation data acc EU 2019/2015

Light source cap-type (or other electric interface)	R7s
Length	118.00 mm
Height	29 mm
Width	29 mm

Safety advice

- To ensure full light efficiency and product lifetime, it is recommended to detach any glass or cover of the luminaire.

DOWNLOAD DATA

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008597194962	Folding box 1	30 mm x 30 mm x 122 mm	92.00 g	0.11 dm ³
4008597494963	Shipping box 20	159 mm x 129 mm x 131 mm	1894.00 g	2.69 dm ³
4008597594960	Shipping box 120			

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.osram-lamps.com/led-lamps
- For Guarantee see www.osram-lamps.com/guarantee

DISCLAIMER

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