

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 number on MCB B10 A	43
Max. lamp number on MCB B16 A	69
Power factor λ	0.50

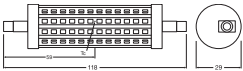
Photometrical data

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 sdcn
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	89.00 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	13.00 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
Order reference	LEDSLI118100 12

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
EPREL ID	1498584

Safety advice

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

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075811591	Blister 1	37 mm x 140 mm x 120 mm	101.00 g	0.62 dm ³
4058075272095	Folding box 1	30 mm x 30 mm x 122 mm	64.00 g	0.11 dm ³
4058075811607	Shipping box 9	345 mm x 153 mm x 136 mm	1086.00 g	7.18 dm ³
4058075272101	Shipping box 10	169 mm x 72 mm x 131 mm	977.00 g	1.59 dm ³
4058075272118	Shipping box 120	347 mm x 226 mm x 271 mm	11929.00 g	21.25 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.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.