PRODUCT DATASHEET
SLIM LINE R7s 118.00 mm 100 12 W/2700 K R7s

LED SLIM LINE R7S | Slim LED lamps with retrofit base R7s

Areas of application

– General illumination within ambient temperatures from -20...+40 °C
– Outdoor applications only in suitable luminaires

Product benefits

– Particularly compact dimensions
– Lower thermal output (compared with the standard reference product)
– Long lifetime of up to 15,000 h
– Three year guarantee

Product features

– LED alternative to conventional R7s lamps
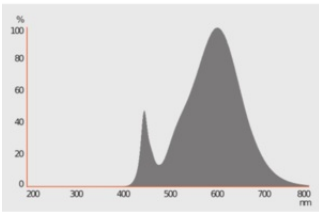– Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

TECHNICAL DATA

Electrical data

Nominal wattage	12 W
Construction wattage	12.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	81 mA
Type of current	AC
Inrush current	4.13 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	63
Max. lamp no. on circuit break. 16 A (B)	81
Total harmonic distortion	< 150 %
Power factor λ	≥ 0.50

Photometrical data
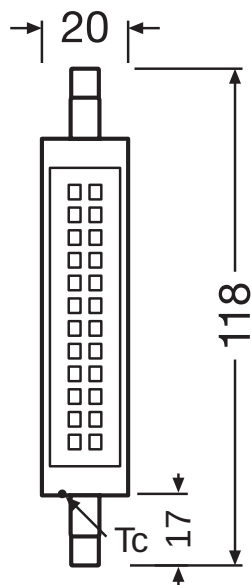
Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	126 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

Light technical data

Beam angle	300 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	300.00 °

Dimensions & Weight

Overall length	118.00 mm
Diameter	20,0 mm
Maximum diameter	20 mm

Product weight	30.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	74 °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)	R7s
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear

Capabilities

Dimmable	No

Certificates & Standards

Energy efficiency class	E [1]
Energy consumption	12.00 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	LESLIM118100 12

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C

Energy labellling 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)	R7s
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
Standby power	0.00
Networked standby power for CLS	0.0
Claim of equivalent power	Yes
Length	118.00 mm
Height	20,0 mm
Width	20,0 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle	SPHERE_360
Survival factor	0.90
Displacement factor	0.70
LED light source replaces a fluorescent light source	not applicable
EPREL ID	522892
Model number	AC32135

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
4058075432734	Folding box 1	21 mm x 49 mm x 155 mm	60.00 g	0.16 dm³
4058075432741	Shipping box 10	125 mm x 111 mm x 131 mm	672.00 g	1.82 dm³
4058075633117	Shipping box 6	111 mm x 83 mm x 131 mm	428.00 g	1.21 dm³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075633124	Shipping box 96	350 mm x 238 mm x 289 mm	7326.00 g	24.07 dm³

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 Guarantee see www.osram-lamps.com/guarantee
- For further products and actual information concerning LED lamps see www.osram-lamps.com/led-lamps

DISCLAIMER

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