

PRODUCT DATASHEET

LINE R7s 78.00 mm 75 8.2 W/2700 K R7s

LED LINE R7S | 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

- Fits into most R7s luminaires thanks to excentric base
- Good all-around light emission
- 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 $R_a \geq 80$; constant chromaticity



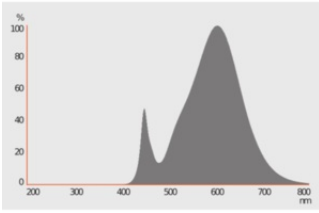
TECHNICAL DATA

Electrical data

Nominal wattage	8.2 W
Construction wattage	8.20 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	75 W
Nominal current	57 mA
Type of current	AC
Inrush current	2.72 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	66
Max. lamp no. on circuit break. 16 A (B)	83
Total harmonic distortion	110 %
Power factor λ	0.50

Photometrical data

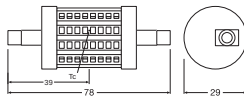
Luminous flux	1055 lm
Nominal useful luminous flux 90°	1055 lm
Luminous efficacy	128 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.9



Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	330.00 °

Dimensions & Weight



Overall length	78.00 mm
Diameter	29 mm
Maximum diameter	29 mm
Product weight	36.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	95 °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
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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	E ¹⁾
Energy consumption	9.00 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 G (lowest efficiency)

Country-specific categorizations

Order reference	LEDLI7875 8,2W/
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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)	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

Claim of equivalent power	Yes
Length	78.00 mm
Height	29 mm
Width	29 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	0.50
LED light source replaces a fluorescent light source	not applicable
EPREL ID	522902,522902
Model number	AC32098,AC32098

Safety advice

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

DOWNLOAD DATA

DOWNLOAD DATA	
	Declarations of conformity Self-ballasted LED lamp

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075432611	Folding box 1	30 mm x 49 mm x 130 mm	48.00 g	0.19 dm ³
4058075432628	Shipping box 10	170 mm x 111 mm x 106 mm	704.00 g	2.00 dm ³
4058075653368	Shipping box 6	112 mm x 111 mm x 106 mm	328.00 g	1.32 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 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.