

## PRODUCT DATASHEET

### LINE R7s 78.00 mm 100 12 W/2700 K R7s

LED LINE R7S DIM | Dimmable LED lamps with retrofit base R7s



#### Areas of application

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

#### 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)
- Very long lifetime of up to 25,000 h
- Four year guarantee

#### Product features

- Dimmable (with many common dimmers, see also [www.ledvance.com/dim](http://www.ledvance.com/dim))
- 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	12 W
Construction wattage	12.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	51 mA
Type of current	AC
Inrush current	5 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	15
Max. lamp no. on circuit break. 16 A (B)	24
Total harmonic distortion	< 150 %
Power factor $\lambda$	$\geq 0.50$

### Photometrical data

Luminous intensity	not applicable
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	$\geq 80$
Light color	827
Standard deviation of color matching	$\leq 6$ sdcn
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	360 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	300.00 °

### Dimensions & Weight

Overall length	78.00 mm
Diameter	28,0 mm
Maximum diameter	28 mm
Product weight	52.00 g

### Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C

### Lifespan

Lifespan	25000 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	Yes
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**Certificates & Standards**

Energy efficiency class	E <sup>1)</sup>
Energy consumption	12.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

**Country-specific categorizations**

Order reference	LEDLI78100D 12W
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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
Networked standby power for CLS	0 W
Claim of equivalent power	Yes

Length	78.00 mm
Height	28,0 mm
Width	28,0 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.70
LED light source replaces a fluorescent light source	No
EPREL ID	522900,1402931
Model number	AC32129,AC32129,AC11780

### 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 CE

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075432536	Folding box 1	30 mm x 49 mm x 130 mm	64.00 g	0.19 dm <sup>3</sup>
4058075432543	Shipping box 10	170 mm x 111 mm x 106 mm	894.00 g	2.00 dm <sup>3</sup>
4058075632400	Shipping box 6	112 mm x 111 mm x 106 mm	425.00 g	1.32 dm <sup>3</sup>

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](http://www.osram-lamps.com/guarantee)
- For further products and actual information concerning LED lamps see [www.osram-lamps.com/led-lamps](http://www.osram-lamps.com/led-lamps)

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