

## PRODUCT DATASHEET

# LED Line 78 100 300° DIM P 12W 827 Clear R7s

PARATHOM® DIM LINE R7s | Dimmable double-ended special LED lamps



### Areas of application

- General illumination within ambient temperatures from -20...+40 °C
- Hospitality
- Domestic applications
- 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)
- Five year guarantee
- Lower energy consumption than incandescent or halogen lamps

### 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



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**TECHNICAL DATA****Electrical data**

Nominal wattage	12 W
Construction wattage	12.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
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 number on MCB B10 A	15
Max. lamp number on MCB B16 A	24
Total harmonic distortion	< 150 %
Power factor $\lambda$	$\geq 0.50$

**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	$\geq 80$
Light color	827
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



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Light technical data

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

Dimensions & Weight

Overall length	78.00 mm
Diameter	28.00 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 L70/B50 at 25 °C	25000 h
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
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	LEDPLI78100D 12
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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	28.00 mm
Width	28.00 mm


Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
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
Model number	AC32129

### Safety advice

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

### DOWNLOAD DATA

Documents and certificates		Document name
	Addon technical information	DIMMER COMPATIBILITY LINE R7S 2021
	Declarations of conformity	LED SLIM LINE 78 60 NON-DIM

Photometric and lighting design files		Document name
	Spectral power distribution	349927_2700K_Evl_5630.eps

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075626966	Folding box 1	30 mm x 30 mm x 82 mm	55.00 g	0.07 dm <sup>3</sup>
4058075626973	Shipping box 20	159 mm x 129 mm x 91 mm	1145.00 g	1.87 dm <sup>3</sup>
4058075626980	Shipping box 120	269 mm x 169 mm x 291 mm	7025.00 g	13.23 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 further products and actual information concerning LED lamps see [www.ledvance.com/ledlamps](http://www.ledvance.com/ledlamps)
  - For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)
  - For dimming conformity see [www.ledvance.com/dim](http://www.ledvance.com/dim)
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