

# PRODUCT DATASHEET LED Slim Line 118 100 300° 12W 827 Clear R7s

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



#### Areas of application

- General illumination within ambient temperatures from -20...+40  $^{\circ}\text{C}$
- Outdoor use in suitable outdoor luminaires only

#### 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
- Lower energy consumption than incandescent or halogen lamps

#### **Product features**

- LED alternative to conventional R7s lamps
- Good quality of light; color rendering index  $R_a$ :  $\geq$  80; constant chromaticity





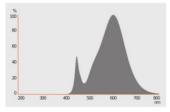
# TECHNICAL DATA

# Electrical data

Nominal wattage	12 W	
Construction wattage	12.00 W	
Nominal voltage	220240 V	
Operating mode	AC Mains	
Claimed equiv. conventional lamp power	100 W	
Nominal current	90 mA	
Type of current	AC	
Inrush current	7.52 A	
Operating frequency	50/60 Hz	
Mains frequency	50/60 Hz	
Max. lamp number on MCB B10 A	44	
Max. lamp number on MCB B16 A	55	
Total harmonic distortion	102.8 %	
Power factor $\lambda$	> 0.50	

# Photometrical data

Luminous flux	1521 lm
Luminous efficacy	126 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

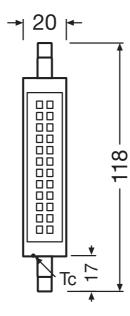


349927\_2700K\_Evl\_5630.eps

# 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	20.00 mm
Maximum diameter	20 mm

Product weight	33.00 g	
Temperatures & operating conditions		
Ambient temperature range	-20+40 °C	
Maximum temperature at tc test point	82.8 °C	
Lifespan		
Lifespan L70/B50 at 25 °C 15000 h		
Number of switching cycles	100000	
Lumen maintenance at end of service lifetime	0.93	
Additional product data		
Base (standard designation)	R7s	
Mercury content	0.0 mg	
Mercury-free	Yes	
Design / version	Clear	
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value	
Capabilities		
Dimmable	No	
Certificates & Standards		
Energy efficiency class	E 1)	
Energy consumption	12.00 kWh/1000h	
Type of protection	IP20	
Standards	CE / EAC / UKCA	
Photobiological safety group acc. to EN62778	RG1	
Energy efficiency class (EEC) on a scale of A (highest efficiency) to G     Country-specific categorizations	(lowest efficiency)	
Order reference	LESLIM118100 12	
LOGISTICAL DATA		
Temperature range at storage	-20+80 °C	

# 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 W
Claim of equivalent power	Yes
Length	118.00 mm
Height	20.00 mm
Width	20.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
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	1403269,522892,2365060
Model number	AC32135,AC24771,AC32135,AC84119

# Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.
- 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	
POF	Declarations of conformity	LED SLIM LINE 78 60 NON-DIM	

	Documents and certificates	Document name	
POF	Declarations of conformity	LED lamp	
POF	Declarations of conformity UKCA	LED lamp	
	Photometric and lighting design files	Document name	
	Spectral power distribution	349927_2700K_EvI_5630.eps	

#### 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	63.00 g	0.16 dm <sup>3</sup>
4058075633117	Shipping box 6	111 mm x 83 mm x 131 mm	446.00 g	1.21 dm <sup>3</sup>
4058075633124	Shipping box 96	350 mm x 238 mm x 289 mm	7620.00 g	24.07 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.ledvance.com/guarantee

#### **DISCLAIMER**

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

Clear R7s