



Essential LED - Affordable LED solution

Essential LED

Essential LED is an affordable LED spot lamp that is suitable for replacing halogen spot lamps. It provides a natural lighting effect as well as instant energy savings – an environmentally friendly solution. The Philips Essential LED family is designed for spot and general lighting applications in the hospitality, retail and home segments.

Benefits

- Reduced operational cost thanks to energy savings of up to 80%
- Lower maintenance cost thanks to more than five times longer lifetime than conventional halogen spot lamps
- Easy retrofit, upgrading the existing luminaire to LED technology

Features

- Lower energy consumption compared to halogen spot lamp
- Retrofit replacement of halogen spot lamps with existing transformers
- No UV/IR or mercury

Application

- Hospitality (restaurants, hotels, coffee bars)
- Retail
- Homes

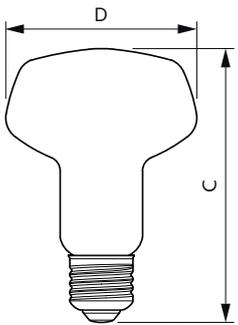
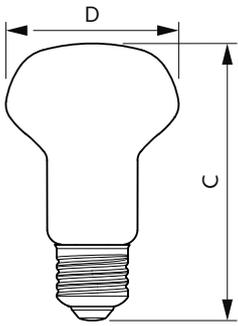
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Versions



LEDspot ESS 7W E27 R63 827-865
12D ND RCA

Dimensional drawing



Product	D	C
ESS LED 7W E27 2700K 230V R63	63 mm	102 mm
ESS LED 7W E27 6500K 230V R63	63 mm	102 mm

Product	D	C
ESS LED 9W E27 2700K 230V R80	80 mm	115 mm
ESS LED 9W E27 6500K 230V R80	80 mm	115 mm

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General Information

Cap-Base	E27
Switching Cycle	50,000
Nominal lifetime	15,000 hour(s)

Light Technical

Beam Angle (Nom)	120 degree(s)
Color rendering index (CRI)	80

Operating and Electrical

Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Starting Time (Nom)	0.5 s

Controls and Dimming

Dimmable	No
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Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	LLMF At End Of	
				Nominal Lifetime (Nom)	Luminous Flux
79879900	ESS LED 7W E27 2700K 230V R63	2700 K	827	70 %	680 lm
79815700	ESS LED 7W E27 6500K 230V R63	6500 K	865	70 %	720 lm
79817100	ESS LED 9W E27 2700K 230V R80	2700 K	827	0.7 %	880 lm
79821800	ESS LED 9W E27 6500K 230V R80	6500 K	865	0.7 %	950 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
79879900	ESS LED 7W E27 2700K 230V R63	7 W	70 W
79815700	ESS LED 7W E27 6500K 230V R63	7 W	70 W

Order Code	Full Product Name	Power Consumption	Wattage Equivalent
79817100	ESS LED 9W E27 2700K 230V R80	9 W	80 W
79821800	ESS LED 9W E27 6500K 230V R80	9 W	80 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
79879900	ESS LED 7W E27 2700K 230V R63	68 °C
79815700	ESS LED 7W E27 6500K 230V R63	68 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
79817100	ESS LED 9W E27 2700K 230V R80	72 °C
79821800	ESS LED 9W E27 6500K 230V R80	72 °C

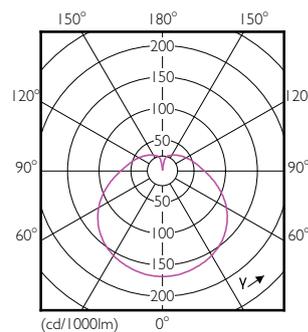
Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
79879900	ESS LED 7W E27 2700K 230V R63	R63
79815700	ESS LED 7W E27 6500K 230V R63	R63

Order Code	Full Product Name	Bulb Shape
79817100	ESS LED 9W E27 2700K 230V R80	R80
79821800	ESS LED 9W E27 6500K 230V R80	R80

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
79879900	ESS LED 7W E27 2700K 230V R63	7 kWh
79815700	ESS LED 7W E27 6500K 230V R63	7 kWh
79817100	ESS LED 9W E27 2700K 230V R80	9 kWh
79821800	ESS LED 9W E27 6500K 230V R80	9 kWh



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