



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

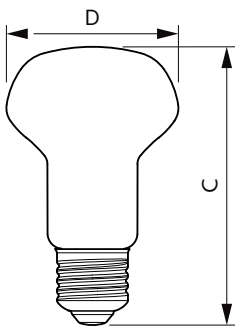
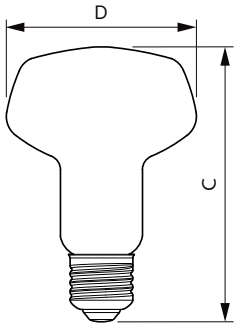
- Hospitality (restaurants, hotels, coffee bars)
- Retail
- Homes

Essential LED

Versions



Dimensional drawing



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

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

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Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 220-240 V

Starting Time (Nom) 0.5 s

General Information

Cap-Base E27

Nominal Lifetime (Nom) 15000 h

Switching Cycle 50,000X

Light Technical

Beam Angle (Nom) 120 °

Colour Rendering Index (Nom) 80

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

Operating and Electrical

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

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

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Llmf At End Of Nominal Lifetime (Nom)	Luminous Flux (Nom)
79879900	ESS LED 7W E27 2700K 230V R63	827	2700 K	70 %	680 lm
79815700	ESS LED 7W E27 6500K 230V R63	865	6500 K	70 %	720 lm

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Llmf At End Of Nominal Lifetime (Nom)	Luminous Flux (Nom)
79817100	ESS LED 9W E27 2700K 230V R80	827	2700 K	0.7 %	880 lm
79821800	ESS LED 9W E27 6500K 230V R80	865	6500 K	0.7 %	950 lm

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

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
79817100	ESS LED 9W E27 2700K 230V R80	72 °C
79821800	ESS LED 9W E27 6500K 230V R80	72 °C

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