



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

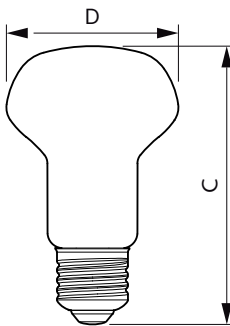
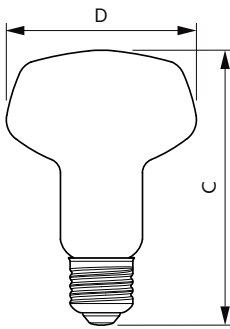
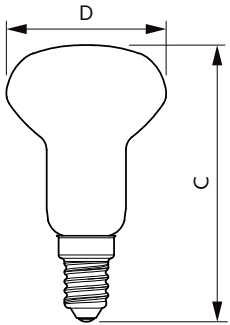
- Hospitality (restaurants, hotels, coffee bars)
- Retail
- Homes

Essential LED

Versions



Dimensional drawing



Product	D	C
ESS LED 4W E14 2700K 230V R50	50 mm	86 mm
ESS LED 4W E14 6500K 230V R50	50 mm	86 mm

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

Essential LED

Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.5 s

General Information

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	Energy Efficiency Label (EEL)
929001857308	ESS LED 4W E14 2700K 230V R50	4 kWh	A+
929001857508	ESS LED 4W E14 6500K 230V R50	4 kWh	A++
929001857608	ESS LED 7W E27 2700K 230V R63	7 kWh	A+
929001857808	ESS LED 7W E27 6500K 230V R63	7 kWh	A+
929001857908	ESS LED 9W E27 2700K 230V R80	9 kWh	A+
929001858108	ESS LED 9W E27 6500K 230V R80	9 kWh	A+

Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
929001857308	ESS LED 4W E14 2700K 230V R50	50 W	4 W
929001857508	ESS LED 4W E14 6500K 230V R50	50 W	4 W
929001857608	ESS LED 7W E27 2700K 230V R63	70 W	7 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
929001857808	ESS LED 7W E27 6500K 230V R63	70 W	7 W
929001857908	ESS LED 9W E27 2700K 230V R80	80 W	9 W
929001858108	ESS LED 9W E27 6500K 230V R80	80 W	9 W

General Information

Order Code	Full Product Name	Cap-Base
929001857308	ESS LED 4W E14 2700K 230V R50	E14
929001857508	ESS LED 4W E14 6500K 230V R50	E14
929001857608	ESS LED 7W E27 2700K 230V R63	E27

Order Code	Full Product Name	Cap-Base
929001857808	ESS LED 7W E27 6500K 230V R63	E27
929001857908	ESS LED 9W E27 2700K 230V R80	E27
929001858108	ESS LED 9W E27 6500K 230V R80	E27

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Llmf At End Of Nominal Lifetime (Nom)	Luminous Flux (Nom)
			(Nom)	(Nom)	(Nom)
929001857308	ESS LED 4W E14 2700K 230V R50	827	2700 K	70 %	350 lm
929001857508	ESS LED 4W E14 6500K 230V R50	865	6500 K	70 %	400 lm
929001857608	ESS LED 7W E27 2700K 230V R63	827	2700 K	70 %	680 lm

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Llmf At End Of Nominal Lifetime (Nom)	Luminous Flux (Nom)
			(Nom)	(Nom)	(Nom)
929001857808	ESS LED 7W E27 6500K 230V R63	865	6500 K	70 %	720 lm
929001857908	ESS LED 9W E27 2700K 230V R80	827	2700 K	0.7 %	880 lm
929001858108	ESS LED 9W E27 6500K 230V R80	865	6500 K	0.7 %	950 lm

Mechanical and Housing

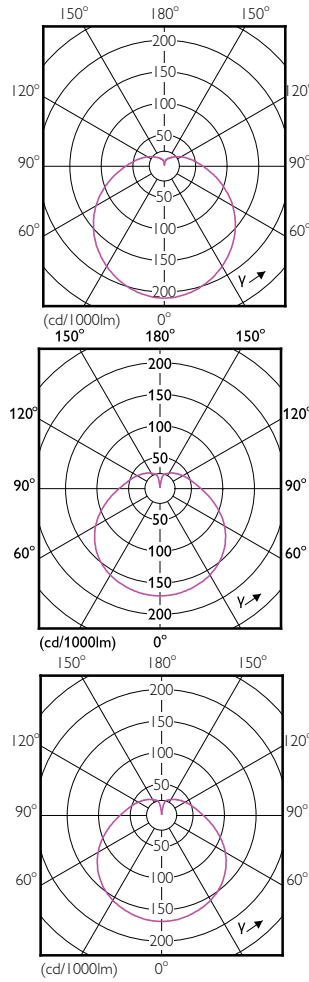
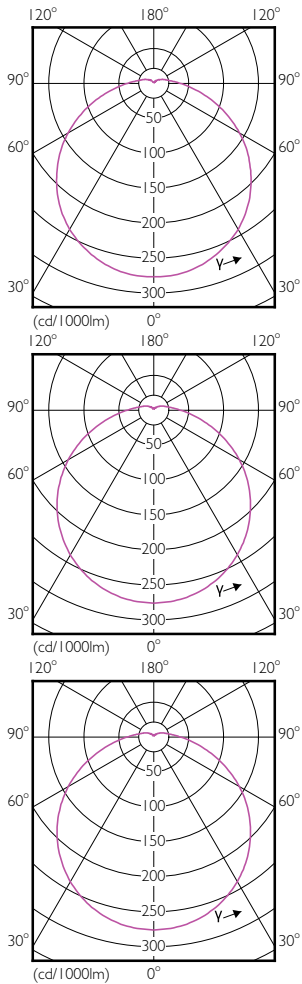
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Order Code	Full Product Name	Bulb Shape
929001857308	ESS LED 4W E14 2700K 230V R50	R50
929001857508	ESS LED 4W E14 6500K 230V R50	R50
929001857608	ESS LED 7W E27 2700K 230V R63	R63

Order Code	Full Product Name	Bulb Shape
929001857808	ESS LED 7W E27 6500K 230V R63	R63
929001857908	ESS LED 9W E27 2700K 230V R80	R80
929001858108	ESS LED 9W E27 6500K 230V R80	R80

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001857308	ESS LED 4W E14 2700K 230V R50	65 °C
929001857508	ESS LED 4W E14 6500K 230V R50	65 °C
929001857608	ESS LED 7W E27 2700K 230V R63	68 °C
929001857808	ESS LED 7W E27 6500K 230V R63	68 °C
929001857908	ESS LED 9W E27 2700K 230V R80	72 °C
929001858108	ESS LED 9W E27 6500K 230V R80	72 °C



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