



Essential LED



ESS LEDBulb 13W E27 6500K 1CT/12 TR

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.

Product data

General Information	
Cap-Base	E27
Nominal lifetime	12,000 hour(s)
Switching Cycle	50,000
Rated Lifetime (Hours)	12,000 hour(s)
Lighting Technology	LED
Flux measurement reference	Sphere
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
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Beam Angle (Nom)	150 degree(s)
Luminous Flux	1,450 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	111.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz

Input Frequency	50 to 60 Hz
Power Consumption	13 W
Lamp Current (Nom)	115 mA
Wattage Equivalent	90 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.5
Voltage (Nom)	220-240 V

Temperature	
T-Case Maximum (Nom)	95 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Bulb Shape	A65

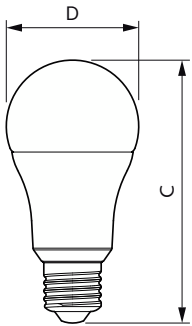
Approval and Application	
Energy Efficiency Class	F
Energy Consumption kWh/1000 h	13 kWh

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EPREL Registration Number	397609
EyeComfort	No
Product Data	
Order product name	ESS LEDBulb 13W E27 6500K 1CT/12 TR
Full product name	ESS LEDBulb 13W E27 6500K 1CT/12 TR
Full product code	871951438690700
Order code	929002305328

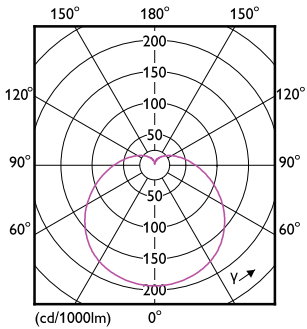
Material Nr. (12NC)	929002305328
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514386907
Numerator - Packs per outer box	12
EAN/UPC - Case	8719514386914

Dimensional drawing

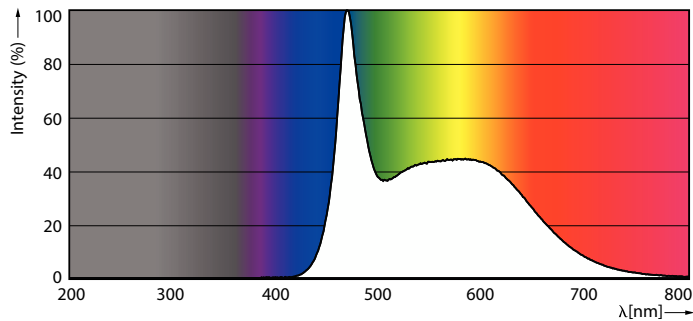


Product	D	C
ESS LEDBulb 13W E27 6500K 1CT/12 TR	60 mm	120 mm

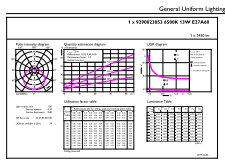
Photometric data



Light Distribution Diagram - ESS LEDBulb 13W E27 6500K 1CT/12 TR



Spectral Power Distribution Colour - ESS LEDBulb 13W E27 6500K 1CT/12 TR

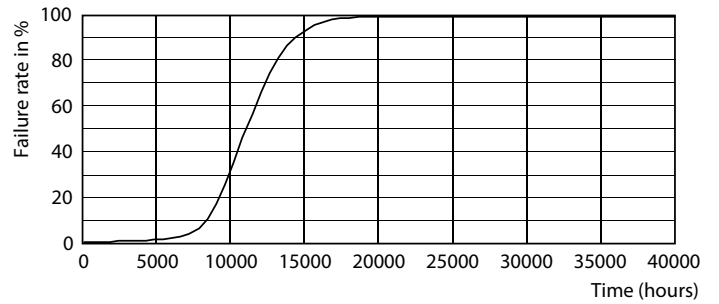
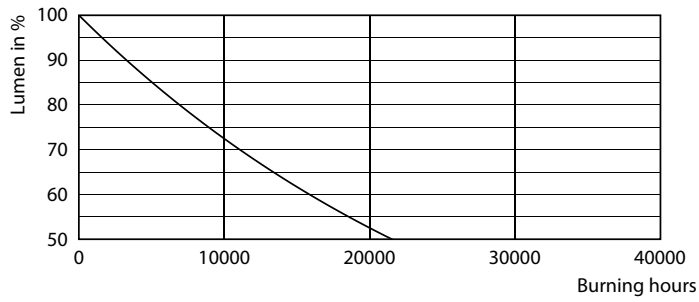


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General uniform lighting - ESS LEDBulb 13W E27 6500K 1CT/12 TR

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Lifetime



Lumen Maintenance Diagram - ESS LEDBulb 13W E27 6500K 1CT/12 TR

Life Expectancy Diagram - ESS LEDBulb 13W E27 6500K 1CT/12 TR

