



# Essential LED



## ESS LEDBulb 13-100W 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 [ E27]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	15000 h
Switching Cycle	50000X
Flux measurement reference	Sphere
Light technical	
Color Code	865 [ CCT of 6500K]
Beam Angle (Nom)	150 °
Luminous Flux (Nom)	1521 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	117.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	13 W
Lamp Current (Nom)	105 mA
Wattage Equivalent	100 W

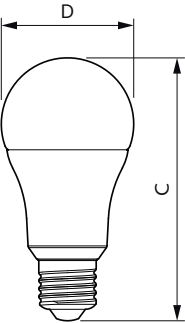
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.51
Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	95 °C
Controls and dimming	
Dimmable	No
Mechanical and housing	
Bulb Finish	Frosted
Bulb Shape	A65 [ A 65mm]
Approval and application	
Energy Efficiency Class	E
Energy Consumption kWh/1000 h	13 kWh
EPREL Registration Number	696293
Product data	
Full product code	871869677016000
Order product name	ESS LEDBulb 13-100W E27 6500K 1CT/12 TR

Essential LED

EAN/UPC - Product	8718696770160
Order code	929002307068
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12

Material Nr. (12NC)	929002307068
Copy Net Weight (Piece)	0.050 kg

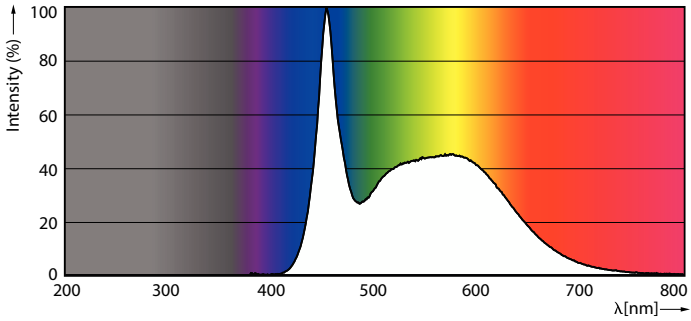
Dimensional drawing



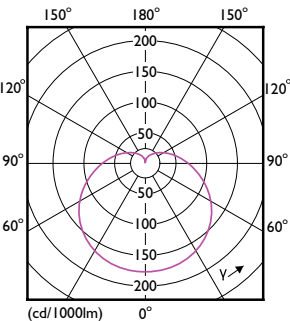
ESS LEDBulb 13-100W E27 6500K 1CT/12 TR

Product	D	C
ESS LEDBulb 13-100W E27 6500K 1CT/12 TR	60 mm	120 mm

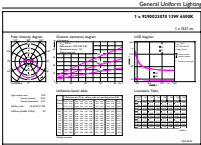
Photometric data



LEDbulb GM 113W A65 E27 865 FR-POC



LEDbulb GM 1 A65 13W E27 865 FR-LDD



LEDbulb GM 113W A65 E27 865 FR-GUL

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram

