



# Essential LED bulbs

## ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN

LEDbulb, A65, 90 W, E27, 3000 K, 1300 lm, 12000 hour(s), Plastic

Essential LEDbulbs are compatible with existing fixtures with a E27 holder and are designed for retrofit replacement of incandescent, halogen and energy saving bulbs. They deliver huge energy savings and minimize initial investment

### 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	LEDbulb
Light Technical	
Color Code	830 [CCT of 3000K]
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Beam Angle (Nom)	150 degree(s)
Luminous Flux	1,300 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	100.00 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

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Overall length	120 mm
Overall width	60 mm
Overall height	120 mm
Dimensions (Height x Width x Depth)	120 x 60 x 120 mm
Bulb Shape	A65
Net Weight (Piece)	0.076 kg

### Approval and Application

EU RoHS compliant	Yes
EyeComfort	No
Ambient temperature range	-20 to +45 °C

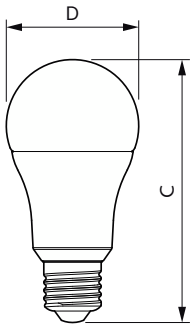
### Application Conditions

Wireless Technology	Not applicable
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### Product Data

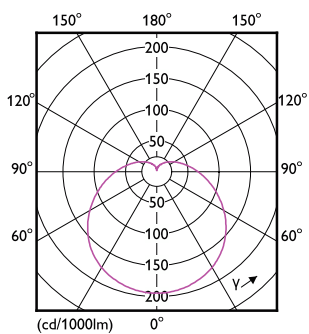
Order product name	ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN
Full product name	ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN
Full product code	694793915998701
Order code	929002305009
Material Nr. (12NC)	929002305009
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	6947939159987
Numerator - Packs per outer box	12
EAN/UPC - Case	6947939159994

## Dimensional drawing

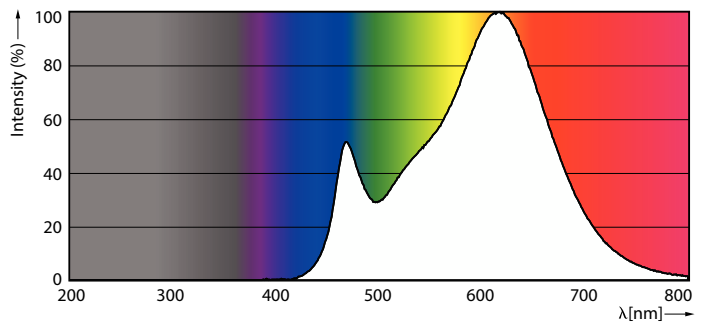


Product	D	C
ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN	60 mm	120 mm

## Photometric data



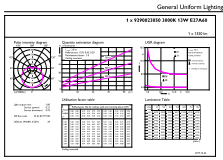
Light Distribution Diagram - ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN



Spectral Power Distribution Colour - ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN

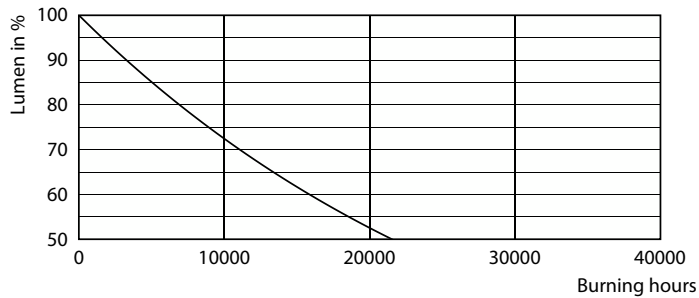
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## Photometric data

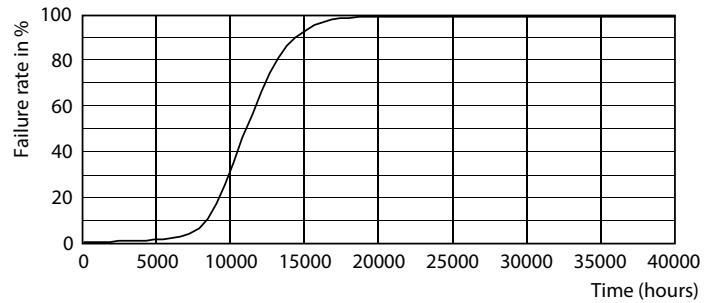


General uniform lighting - ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN

## Lifetime



Lumen Maintenance Diagram - ESS LEDBulb 13W E27 3000K 230V 1CT/12 CN



Life Expectancy Diagram

