



CorePro Plastic LEDbulbs

LEDbulb ND 13-100W A60 E27 827 1CT

CorePro LEDbulbs are compatible with existing fixtures with an E27 or B22 holder and are designed for retrofit replacement of incandescent bulbs. They deliver huge energy savings and minimize maintenance cost.

Product data

General Information	
Cap-Base	E27
Nominal lifetime	15,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	1,521 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	117 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Input Frequency	50 to 60 Hz

Power Consumption	13 W
Lamp Current (Nom)	105 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.54
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	A60
Net Weight (Piece)	0.046 kg

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Approval and Application

Energy Efficiency Class	E
Energy Consumption kWh/1000 h	13 kWh
EPREL Registration Number	397615
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

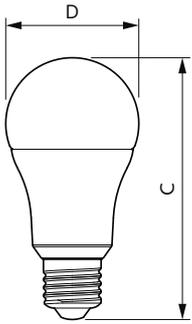
Application Conditions

can it be used in closed luminaires	No
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Product Data

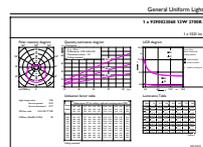
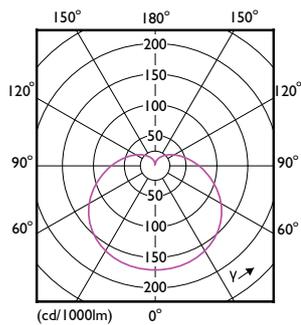
Order product name	LEDbulb ND 13-100W A60 E27 827 1CT
Full product name	LEDbulb ND 13-100W A60 E27 827 1CT
Full product code	872110305770900
Order code	05770900
Material Nr. (12NC)	929002306857
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103057709
Numerator - Packs per outer box	12
EAN/UPC - Case	8721103057716

Dimensional drawing



Product	D	C
LEDbulb ND 13-100W A60 E27 827 1CT	60 mm	120 mm

Photometric data

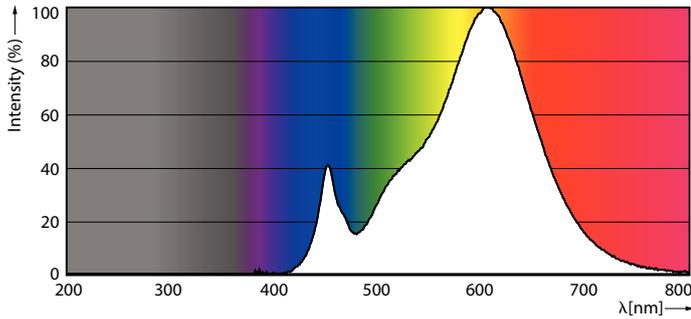


Light Distribution Diagram - LEDbulb ND 13-100W A60 E27 827 1CT

General uniform lighting - LEDbulb ND 13-100W A60 E27 827 1CT

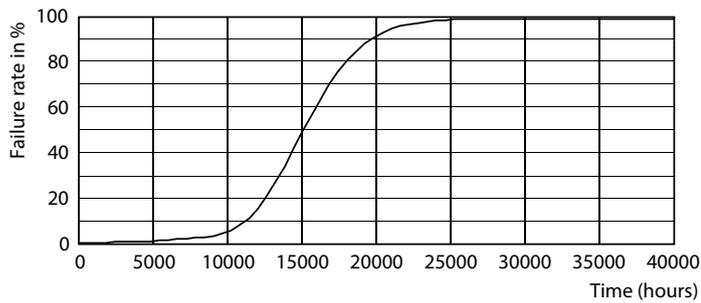
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Photometric data

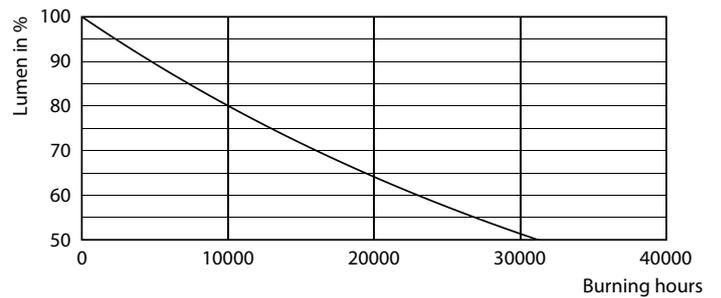


Spectral Power Distribution Colour - LEDbulb ND 13-100W A60 E27 827 1CT

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - LEDbulb ND 13-100W A60 E27 827 1CT

