

CorePro LEDbulb

CorePro LEDbulb ND 13-100W A60 E27 830

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 [E27]
Bulb Shape	A60 [A 60mm]
Nominal Lifetime (Nom)	15000 h
Switching Cycle	50000X
Technical Type	13-100W

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	200 °
Luminous Flux (Nom)	1521 lm
Luminous Flux (Rated) (Nom)	1521 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 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 (Rated) (Nom)	13 W
Lamp Current (Nom)	120 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm Up Time To 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.5
Voltage (Nom)	220-240 V

Temperature	
T-Case Maximum (Nom)	88 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted

Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Energy Efficiency Label (EEL)	A+
Energy Consumption kWh/1000 h	13 kWh

Product Data	
Full product code	871869657767700

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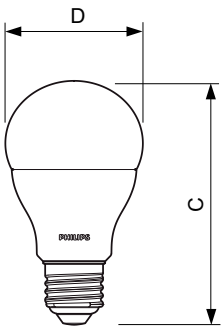
Order product name	CorePro LEDbulb ND 13-100W A60 E27 830
EAN/UPC - Product	8718696577677
Order code	929001235002
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10

Material Nr. (12NC)	929001235002
Net Weight (Piece)	0.076 kg

Dimensional drawing



Entry Bulb 230V 13.5W-100W 3000K E27 ND

Product	D	C
CorePro LEDbulb ND 13-100W A60 E27 830	60 mm	110 mm

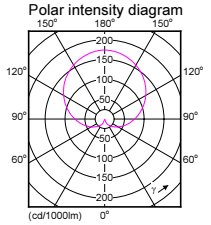
Photometric data

General Uniform Lighting

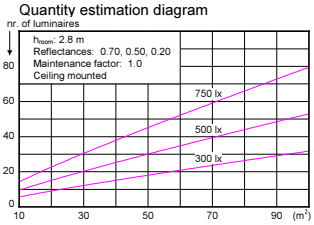
Entry bulb 1521lm/3000K

1 x 1521 lm

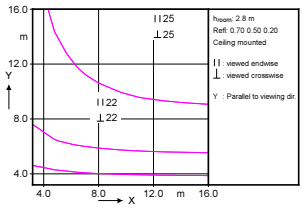
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.01
Service upward	0.76
Service downward	0.25
CIE flux code	8 28 58 25 101
UGRcen (4Hx8H, 0.25H)	23

Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00	
	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	
0.60	0.33	0.31	0.29	0.28	0.28	0.21	0.16	0.12	0.11	0.08	0.01	
0.80	0.42	0.39	0.37	0.36	0.35	0.28	0.21	0.17	0.14	0.11	0.02	
1.00	0.49	0.45	0.43	0.41	0.40	0.33	0.25	0.21	0.17	0.14	0.03	
1.25	0.56	0.51	0.49	0.47	0.45	0.38	0.29	0.25	0.20	0.17	0.04	
1.50	0.61	0.56	0.54	0.51	0.49	0.43	0.32	0.28	0.22	0.19	0.05	
2.00	0.70	0.62	0.61	0.58	0.55	0.49	0.37	0.33	0.26	0.23	0.07	
2.50	0.76	0.67	0.66	0.63	0.59	0.54	0.41	0.37	0.29	0.26	0.09	
3.00	0.80	0.70	0.70	0.66	0.62	0.57	0.44	0.40	0.31	0.28	0.10	
4.00	0.86	0.75	0.75	0.71	0.66	0.62	0.48	0.45	0.34	0.32	0.12	
5.00	0.90	0.78	0.79	0.74	0.69	0.65	0.50	0.48	0.36	0.34	0.13	

Ceiling mounted

Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	5901	5901	5901	5901	5901	5901	5901
50.0	6606	6606	6606	6606	6606	6606	6606
55.0	7416	7416	7416	7416	7416	7416	7416
60.0	8322	8322	8322	8322	8322	8322	8322
65.0	9339	9339	9339	9339	9339	9339	9339
70.0	10504	10504	10504	10504	10504	10504	10504
75.0	11811	11811	11811	11811	11811	11811	11811
80.0	13363	13363	13363	13363	13363	13363	13363
85.0	15120	15120	15120	15120	15120	15120	15120
90.0	17209	17209	17209	17209	17209	17209	17209

(cd/m²)

sl16535

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