

CorePro LEDcapsule LV

CorePro LEDcapsuleLV 2-20W G4 827

The CorePro LEDcapsule is a true alternative to the halogen capsule. It is particularly suitable for task lighting and decorative applications in homes, shops, hotels and restaurants. Compatible with existing fixtures with G4 holders and designed for retrofit replacement of halogen capsules, CorePro LEDcapsule delivers huge energy savings and minimizes maintenance costs without any compromise on light quality.

Product data

General Information	
Cap-Base	G4 [G4]
Bulb Shape	Capsule
Nominal Lifetime (Nom)	15000 h
Switching Cycle	50000X
Technical Type	2-20W

Light Technical	
Color Code	827 [CCT of 2700K]
Luminous Flux (Nom)	200 lm
Luminous Flux (Rated) (Nom)	200 lm
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	100.00 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)	2 W
Lamp Current (Nom)	290 mA
Wattage Equivalent	20 W
Starting Time (Nom)	0.5 s
Warm Up Time To 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.5
Voltage (Nom)	12 V

Temperature	
T-Case Maximum (Nom)	80 °C

Controls and Dimming	
Dimmable	No

Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Energy Efficiency Label (EEL)	A++
Energy Consumption kWh/1000 h	3 kWh

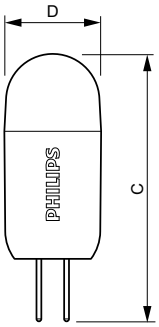
Product Data	
Full product code	871869657819300

CorePro LEDcapsule LV

Order product name	CorePro LEDcapsuleLV 2-20W G4 827
EAN/UPC - Product	8718696578193
Order code	929001244402
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12

Material Nr. (12NC)	929001244402
Net Weight (Piece)	0.012 kg

Dimensional drawing



Capsule 12V 2W-20W 200lm 2700K G4 ND

Product	D	C
CorePro LEDcapsuleLV 2-20W G4 827	14.3 mm	45 mm

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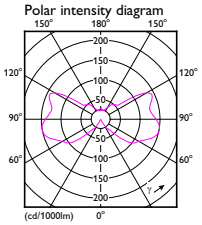
Photometric data

General Uniform Lighting

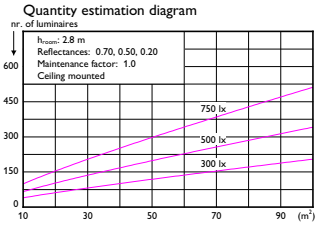
G4 Capsule 2W 2700K 929001244 4

1 x 200 lm

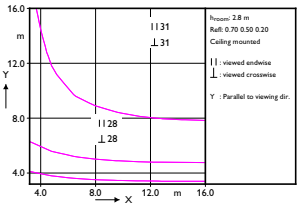
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.00
Service upward	0.50
Service downward	0.50
CIE flux code	4 26 61 50 119
UGRcen (4Hx8H, 0.25H)	29

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	0.35	0.33	0.31	0.31	0.30	0.21	0.16	0.11	0.12	0.07	0.01				
0.80	0.45	0.42	0.40	0.39	0.38	0.28	0.22	0.16	0.17	0.12	0.03				
1.00	0.53	0.49	0.48	0.46	0.45	0.34	0.27	0.21	0.21	0.15	0.06				
1.25	0.61	0.56	0.55	0.53	0.51	0.41	0.33	0.26	0.25	0.20	0.09				
1.50	0.68	0.62	0.62	0.59	0.56	0.47	0.38	0.31	0.29	0.24	0.12				
2.00	0.79	0.71	0.71	0.68	0.65	0.55	0.45	0.39	0.36	0.30	0.16				
2.50	0.87	0.77	0.78	0.74	0.70	0.62	0.51	0.45	0.40	0.36	0.21				
3.00	0.93	0.81	0.84	0.79	0.75	0.67	0.55	0.49	0.44	0.40	0.24				
4.00	1.01	0.88	0.91	0.86	0.81	0.74	0.62	0.56	0.50	0.46	0.29				
5.00	1.07	0.92	0.97	0.90	0.85	0.79	0.66	0.61	0.54	0.50	0.33				

Ceiling mounted

Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	13172	13172	13172	13172	13172	13172	13172
50.0	19267	19267	19267	19267	19267	19267	19267
55.0	22922	22922	22922	22922	22922	22922	22922
60.0	24599	24599	24599	24599	24599	24599	24599
65.0	27328	27328	27328	27328	27328	27328	27328
70.0	30404	30404	30404	30404	30404	30404	30404
75.0	32474	32474	32474	32474	32474	32474	32474
80.0	33122	33122	33122	33122	33122	33122	33122
85.0	32463	32463	32463	32463	32463	32463	32463
90.0	30797	30797	30797	30797	30797	30797	30797

(cd/m²)

RZ080504

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