PHILIPS

Lighting



CorePro LEDcapsule LV

CorePro LEDcapsuleLV 1.2-10W 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	1.2-10W

Light Technical	
Color Code	827 [CCT of 2700K]
Luminous Flux (Nom)	120 lm
Luminous Flux (Rated) (Nom)	120 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)	1.2 W
Lamp Current (Nom)	200 mA
Wattage Equivalent	10 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	2 kWh

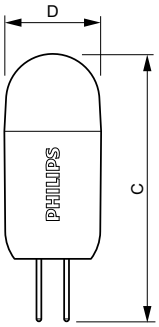
Product Data	
Full product code	871869657817900

CorePro LEDcapsule LV

Order product name	CorePro LEDcapsuleLV 1.2-10W G4 827
EAN/UPC - Product	8718696578179
Order code	929001244302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12

Material Nr. (12NC)	929001244302
Net Weight (Piece)	0.012 kg

Dimensional drawing



Capsule 12V 1.2W-10W 105lm 2700K G4 ND

Product	D	C
CorePro LEDcapsuleLV 1.2-10W G4 827	14.3 mm	39.2 mm

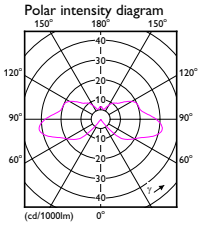
Photometric data

General Uniform Lighting

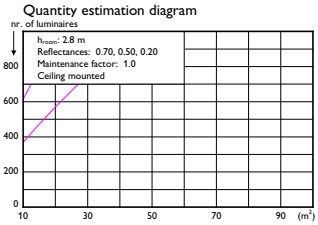
G4 Capsule 1.2W 2700K 929001244 3

1 x 120 lm

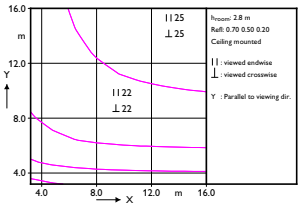
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.00
Service upward	0.45
Service downward	0.55
CIE flux code	2 24 58 53 22
UGRcen (4Hx8H, 0.25H)	22

Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00		
	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	0.00		
0.60	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00		
0.80	0.08	0.08	0.07	0.07	0.07	0.04	0.03	0.03	0.02	0.00		
1.00	0.10	0.09	0.09	0.08	0.08	0.06	0.05	0.04	0.04	0.03	0.01	
1.25	0.11	0.10	0.10	0.10	0.09	0.07	0.06	0.05	0.05	0.03	0.01	
1.50	0.12	0.11	0.11	0.11	0.10	0.08	0.07	0.05	0.05	0.04	0.02	
2.00	0.14	0.13	0.13	0.12	0.12	0.10	0.08	0.07	0.06	0.05	0.03	
2.50	0.16	0.14	0.14	0.14	0.13	0.11	0.09	0.08	0.07	0.06	0.04	
3.00	0.17	0.15	0.15	0.14	0.14	0.12	0.10	0.09	0.08	0.07	0.04	
4.00	0.19	0.16	0.17	0.16	0.15	0.13	0.11	0.10	0.09	0.08	0.05	
5.00	0.20	0.17	0.18	0.17	0.16	0.14	0.12	0.11	0.10	0.09	0.06	

Ceiling mounted

Luminance Table

Plane / Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	1640	1640	1640	1640	1640	1640	1640
50.0	2072	2072	2072	2072	2072	2072	2072
55.0	2343	2343	2343	2343	2343	2343	2343
60.0	2607	2607	2607	2607	2607	2607	2607
65.0	2914	2914	2914	2914	2914	2914	2914
70.0	3428	3428	3428	3428	3428	3428	3428
75.0	3918	3918	3918	3918	3918	3918	3918
80.0	4156	4156	4156	4156	4156	4156	4156
85.0	4045	4045	4045	4045	4045	4045	4045
90.0	3701	3701	3701	3701	3701	3701	3701

(cd/m²)

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