# **PHILIPS** Lighting



## **CorePro LED PLC 2P**



CorePro LED PLC 2P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

#### **Product data**

General Information	
Cap-Base	G24D-1 [G24d-1]
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	500 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RGO
Operating and Electrical	

50 to 60 Hz

Line Frequency

Input Frequency	50 to 60 Hz
Power Consumption	4.5 W
Lamp Current (Max)	25 mA
Lamp Current (Min)	20 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	13 W
Max. lamp no. on MCB B type 10A - Mains	191
Max. lamp no. on MCB B type 10A - EM ballast	220
without Comp. Cap.	
Max. lamp no. on MCB B type 10A - EM ballast	30
with Comp. Cap.	
Max. lamp no. on MCB B type 16A - Mains	306
Max. lamp no. on MCB B type 16A - EM ballast	330
without Comp. Cap.	
Max. lamp no. on MCB B type 16A - EM ballast	49
with Comp. Cap.	
Temperature	
Ambient temperature range	−20 °C to 35 °C

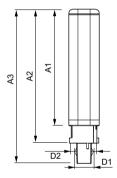


#### CorePro LED PLC 2P

T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Markenia I and Davis	
Mechanical and Housing	
Bulb Material	Plastic
Product Length	100 mm
Bulb Shape	PL-C
Approval and Application	
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance
	KEMA Keur certificate
Energy Consumption kWh/1000 h	5 kWh

EPREL Registration Number	403561
Product Data	
Order product name	CorePro LED PLC 4.5W 840 2P
	G24d-1
Full product name	CorePro LED PLC 4.5W 840 2P
	G24d-1
Full product code	871869670661900
Order code	929001350802
Material Nr. (12NC)	929001350802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696706619
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696706626

#### Dimensional drawing



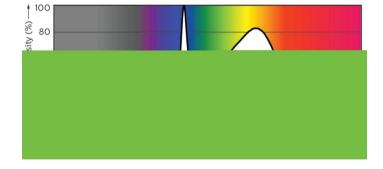
### Product D1 D2 A1 A2 A3 CorePro LED PLC 4.5W 840 2P G24d-1 24.3 mm 28.4 mm 95.8 mm 115 mm 137.6 mm

#### Photometric data

	1 x PLED-LTW 4000K 120D 929001318	
		1 + 500 #
for hange day on	Quantity estimation degrees	UCR diagram
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	Advance 20% along with an including place 20%	Service Table

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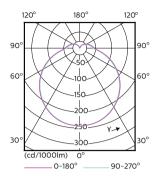
General uniform lighting - CorePro LED PLC 4.5W 840 2P G24d-1

hec 1/2

Spectral Power Distribution Colour

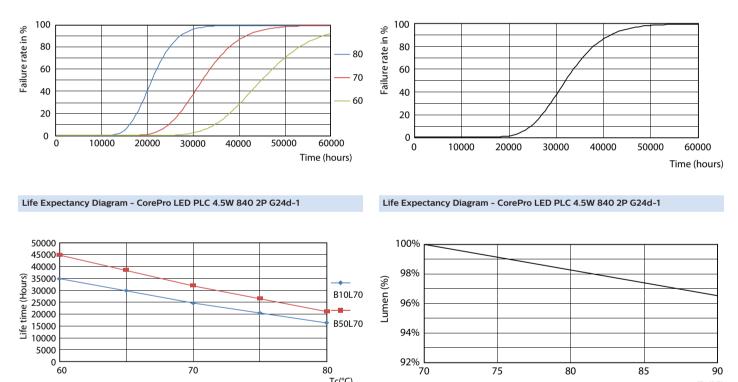
#### **CorePro LED PLC 2P**

#### Photometric data



#### Light Distribution Diagram

Lifetime



Tc(°C)

Lumen Maintenance Diagram

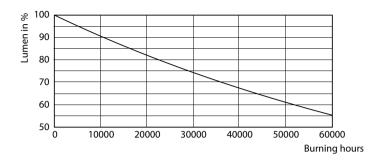
90

Tc(°C)

Life Expectancy Diagram - CorePro LED PLC 4.5W 840 2P G24d-1

#### CorePro LED PLC 2P

#### Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 4.5W 840 2P G24d-1



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