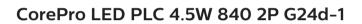
# **PHILIPS** Lighting



## **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

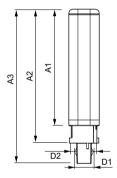


#### CorePro LED PLC 2P

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



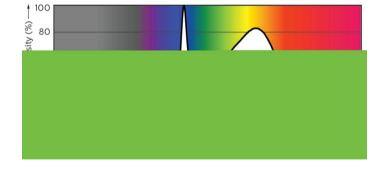
### Product D1 D2 A1 A2 A3 CorePro LED PLC 4.5W 840 2P G24d-1 24.3 mm 28.4 mm 95.8 mm 115 mm 137.6 mm

#### Photometric data

	1 x PLED-LTW 4000K 120D 929001318	
		1 + 500 #
for hange day on	Quantity estimation degrees	UCR diagram
Ø	a Norman LA SLA Norman LA SLA	
1000 1 100 V 100	Utiluation Taxar Valida	anterior tete
trans, 7 kpr	Advent No and at at any dealer	interation filts
	Advance 20% along with an including place 20%	Service Table

Philips Lighting & V.

CalculaX Photometrics 45



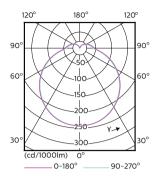
General uniform lighting - CorePro LED PLC 4.5W 840 2P G24d-1

hec 1/2

Spectral Power Distribution Colour

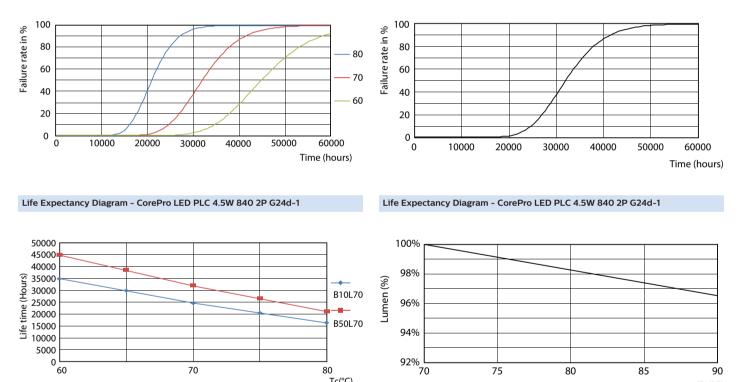
#### **CorePro LED PLC 2P**

#### Photometric data



#### Light Distribution Diagram

Lifetime



Tc(°C)

Lumen Maintenance Diagram

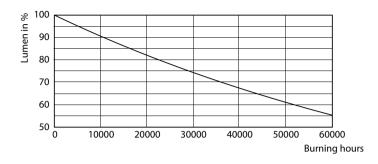
90

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



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, November 28 - data subject to change