



# CorePro LED PLC 2P



## CorePro LED PLC 4.5W 840 2P G24d-1

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
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	
Line Frequency	50 to 60 Hz

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
Inrush current at mains	2.5
Max. lamp no. on MCB B type 10A - Mains	191
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	220
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	30
Max. lamp no. on MCB B type 16A - Mains	306
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	330
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	49
Ballast Compatibility	EM

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## Temperature

Ambient temperature range	-20 °C to 35 °C
T-Case Maximum (Nom)	60 °C

## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb Material	Plastic
Product Length	100 mm
Bulb Shape	PL-C

## Approval and Application

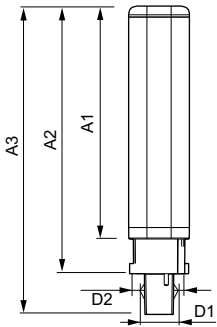
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	5 kWh
EPREL Registration Number	403561

## Product Data

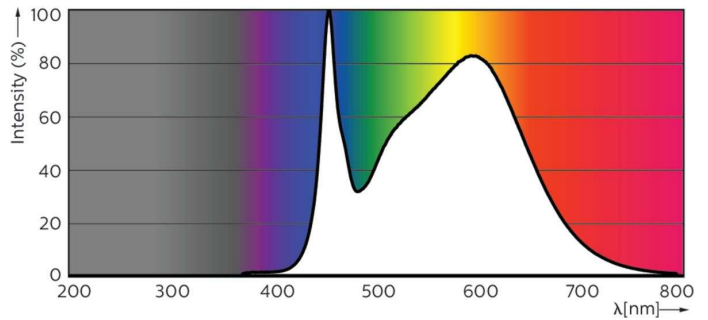
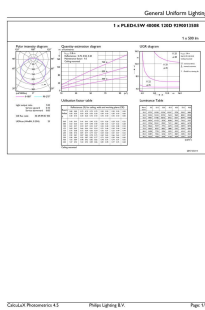
Order product name	CorePro LED PLC 4.5W 840 2P G24d-1
Full product name	CorePro LED PLC 4.5W 840 2P G24d-1
Full product code	871869670661900
Order code	929001350802
Material Nr. (12NC)	929001350802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696706619
Numerator - Packs per outer box	10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

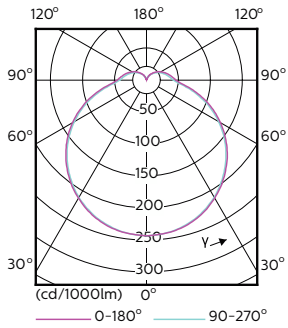


General uniform lighting - CorePro LED PLC 4.5W 840 2P G24d-1

Spectral Power Distribution Colour - CorePro LED PLC 4.5W 840 2P G24d-1

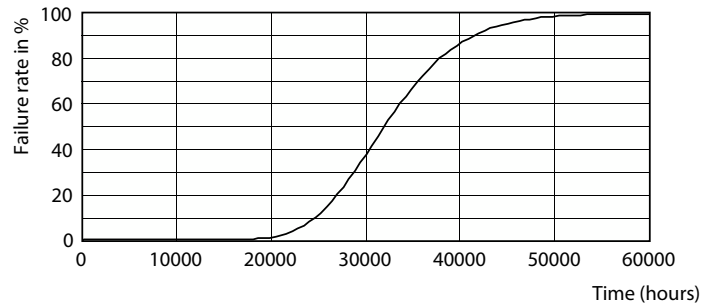
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## Photometric data



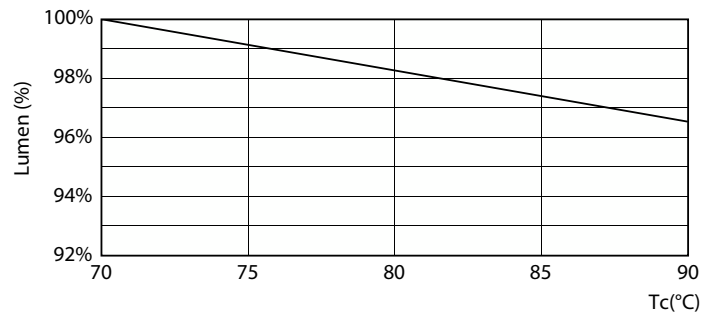
Light Distribution Diagram - CorePro LED PLC 4.5W 840 2P G24d-1

## Lifetime



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

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

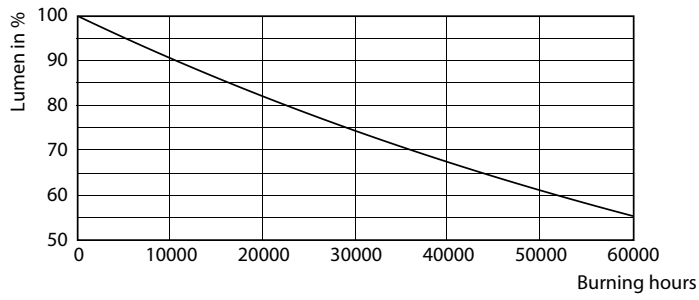


Life Expectancy Diagram - CorePro LED PLC 4.5W 840 2P G24d-1

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

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## Lifetime



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

