



CorePro LED PLC 2P



CorePro LED PLC 5.9W 830 2P G24d-1

CorePro, LED, PL-C, EM/Mains, 115 mm, 5.9 W, 13W PL-C, 3000 K, 600 lm, CRI 82, 30000 h

The CorePro LED PLC 2P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplampping 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 Rotatable end-cap
Nominal lifetime	30,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years
Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	600 lm
Colour designation	White (WH)
Correlated Colour Temperature (Nom)	3000 K
Luminous efficacy (rated) (nom.)	101 lm/W
Colour consistency	<6
Colour rendering index (CRI)	82
LLMF at end of nominal lifetime (nom.)	70 %

Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Input frequency	50 to 60 Hz
Power Consumption	5.9 W
Lamp current (nom.)	31 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	13W PL-C
Inrush current at mains	2.78
Max. lamp no. on MCB B type 10A – Mains	276
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	306
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	442

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Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	490
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	EM/Mains
Temperature	
T-Case maximum (nom.)	75 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Plastic
Product length	115 mm
Bulb shape	PL-C
Net Weight (Piece)	0.070 kg
Approval and Application	
Energy Efficiency Class	F
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	6 kWh

EPREL Registration Number	1820629
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +35 °C

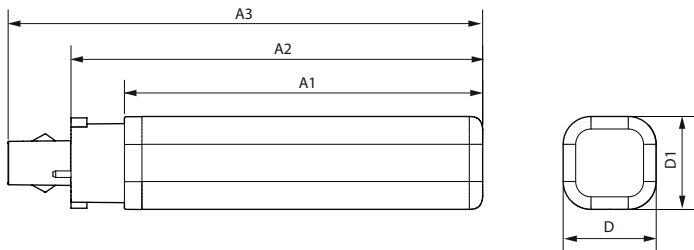
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	CorePro LED PLC 5.9W 830 2P G24d-1
Full product name	CorePro LED PLC 5.9W 830 2P G24d-1
Full EOC	872016928750100
Order code	929003757002
Material no. (12 NC)	929003757002
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169287501
Numerator – packs per outer box	10
EAN/UPC - Case	8720169287518

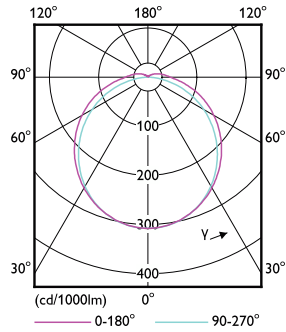
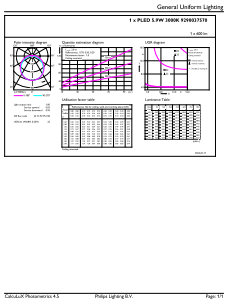
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 5.9W 830 2P G24d-1	34 mm		95 mm	115 mm	138 mm

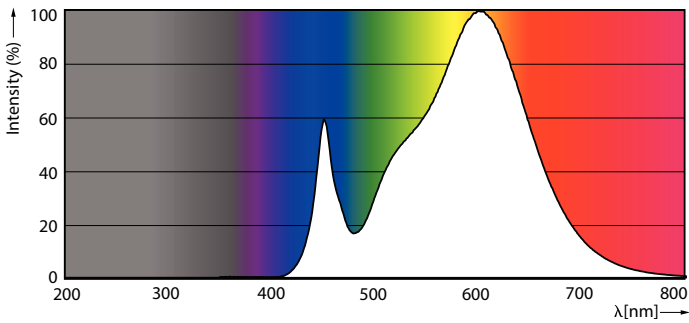
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Photometric data



General uniform lighting - CorePro LED PLC 5.9W 830 2P G24d-1

Light Distribution Diagram - CorePro LED PLC 5.9W 830 2P G24d-1

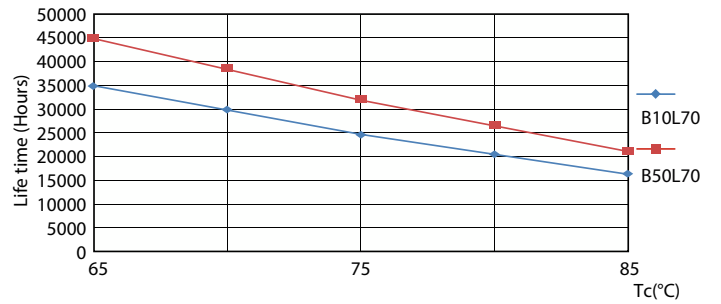


Spectral Power Distribution Colour - CorePro LED PLC 5.9W 830 2P G24d-1

Lifetime



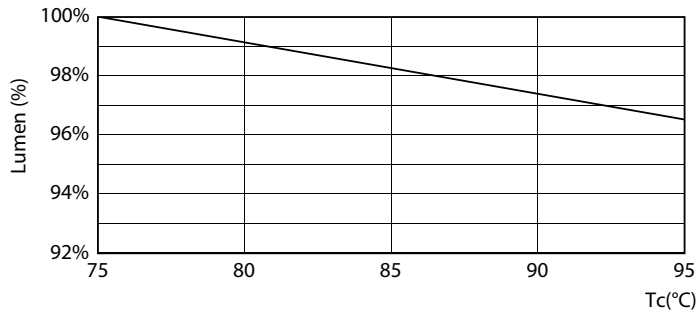
Life Expectancy Diagram



LifetimeVsTc

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Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 5.9W 830 2P G24d-1

FailureRate



Lumen Maintenance Diagram - CorePro LED PLC 5.9W 830 2P G24d-1

