

**PHILIPS****Lighting**

# CorePro LED PLC 2P



## CorePro LED PLC 4.5W 830 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

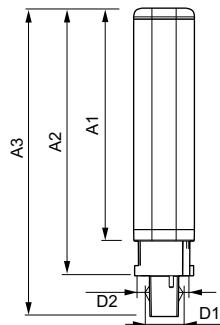
General Information		
Cap-Base	G24d-1	
Nominal lifetime	30,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
Light Technical		
Color Code	830 [CCT of 3000K]	
Beam Angle (Nom)	120 degree(s)	
Luminous Flux	475 lm	
Luminous Efficacy (rated) (Nom)	105.00 lm/W	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	
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		220
without Compensation Capacitor.		
Max. lamp no. on MCB B type 10A - EM ballast		30
with Compensation Capacitor.		
Max. lamp no. on MCB B type 16A - Mains		306
Max. lamp no. on MCB B type 16A - EM ballast		330
without Compensation Capacitor.		
Max. lamp no. on MCB B type 16A - EM ballast		49
with Compensation Capacitor.		
Ballast Compatibility		EM
Temperature		
Ambient temperature range		-20 °C to 35 °C

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T-Case Maximum (Nom)	60 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Material	Plastic
Product Length	100 mm
Bulb Shape	PL-C
<b>Approval and Application</b>	
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	5 kWh
EPREL Registration Number	403560
CE mark	Yes

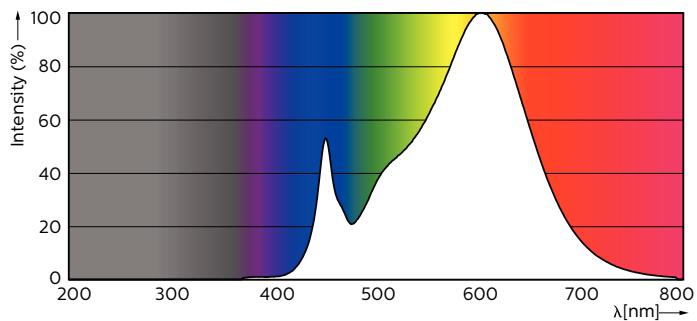
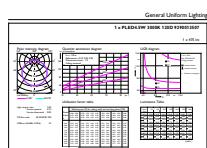
EU RoHS compliant	Yes
<b>Product Data</b>	
Order product name	CorePro LED PLC 4.5W 830 2P G24d-1
Full product name	CorePro LED PLC 4.5W 830 2P G24d-1
Full product code	871869670659600
Order code	929001350702
Material Nr. (12NC)	929001350702
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.070 kg
EAN/UPC - Product/Case	8718696706596
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696706602

## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 4.5W 830 2P G24d-1	24.3 mm	28.4 mm	95.8 mm	115 mm	137.6 mm

## Photometric data

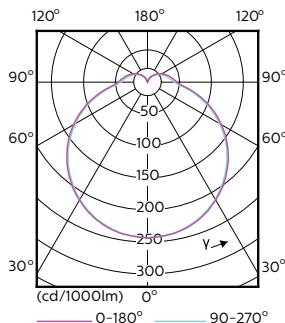


General uniform lighting - CorePro LED PLC 4.5W 830 2P G24d-1

Spectral Power Distribution Colour - CorePro LED PLC 4.5W 830 2P G24d-1

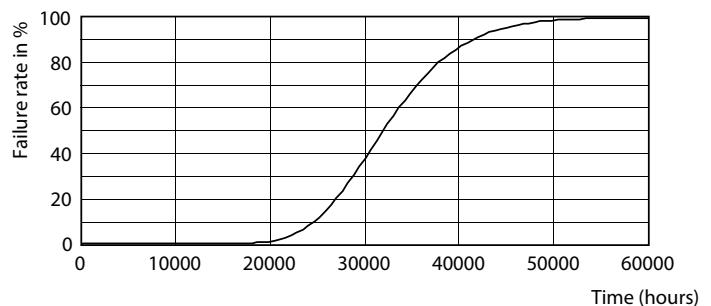
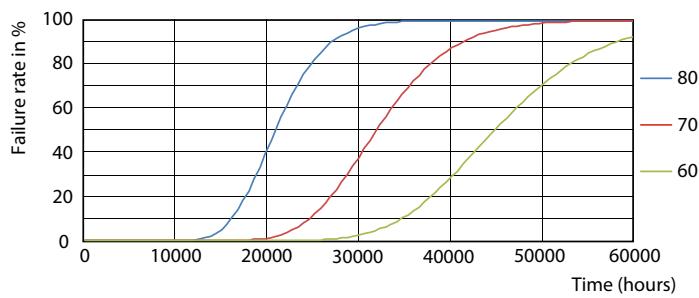
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## Photometric data



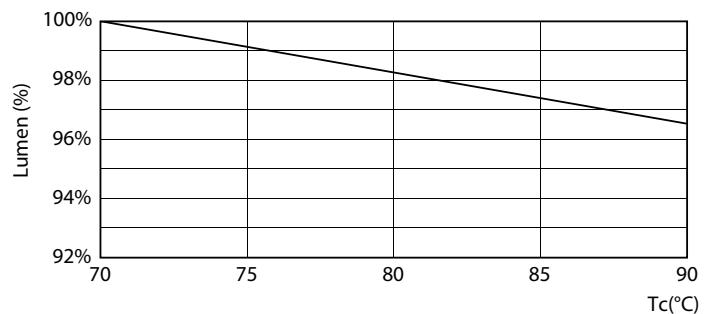
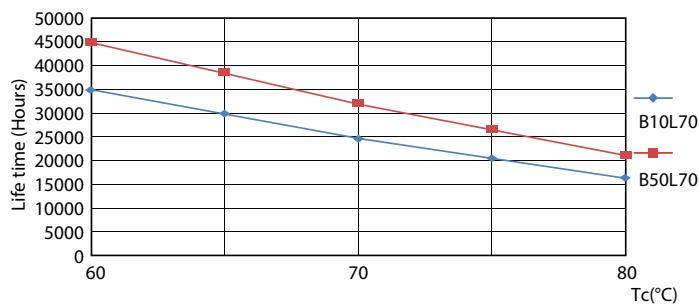
Light Distribution Diagram - CorePro LED PLC 4.5W 830 2P G24d-1

## Lifetime



FailureRate

Life Expectancy Diagram

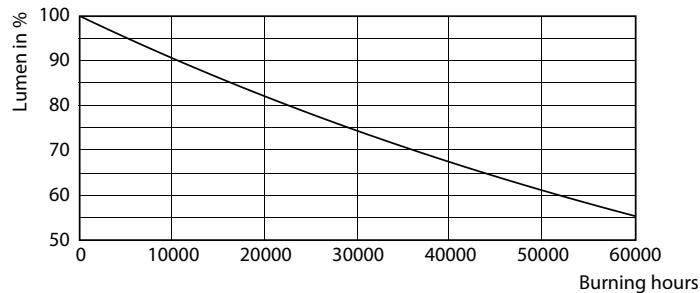


LifetimeVsTc

Lumen Maintenance Diagram - CorePro LED PLC 4.5W 830 2P G24d-1

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### Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 4.5W 830 2P G24d-1

