





CorePro LED PLL EM/Mains 12W 840 4P

Philips CorePro LED PLL is the ideal uplamping solution for downlights & luminaires in a wide range of general lighting applications. It integrates a LED light source into a traditional fluorescent form factor to offer superb energy savings over a lifetime that's twice as long as fluorescent alternatives.

Product data

General Information				
Cap base	2G11 [2G11]			
Nominal lifetime	30,000 h			
Switching Cycle	200,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Flux measurement reference	Sphere			
Light Technical				
Colour Code	840 [CCT of 4000K]			
Beam angle (nom.)	160 degree(s)			
Luminous Flux	1,500 lm			
Colour designation	Cool White (CW)			
Correlated Colour Temperature	4000 K			
Luminous efficacy (rated) (nom.)	125 lm/W			
Colour consistency	<6			
Colour rendering index (CRI)	80			
LLMF at end of nominal lifetime (nom.)	70 %			
Flickering value (PstLM)	1			
Stroboscopic effect	0.4			
Photobiological safety according to EN 62471 RG0				

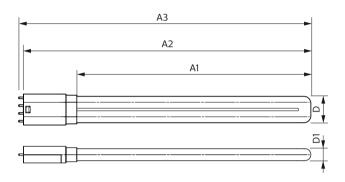
Operating and Electrical			
Line Frequency	50 to 60 Hz		
Input frequency	50 to 60 Hz		
Power Consumption	12 W		
Lamp current (nom.)	60 mA		
Starting time (nom.)	0.5 s		
Warm-up time to 60% light	0.5 s		
Power Factor (Fraction)	0.9		
Voltage (nom.)	220-240 V		
LED alternative to fluorescent lamp power	24 W		
Temperature			
Ambient temperature range	-20°C to 45°C		
T-Case maximum (nom.)	70 °C		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Lamp Finish	Frosted		
Bulb material	Glass		
	300 mm		
Product length	300 mm		

Datasheet, 2023, April 15 data subject to change

Bulb shape	Tube, single-ended			
Approval and Application				
Energy Efficiency Class	E			
Energy-saving product	Yes			
Approval marks	RoHS compliance TUV CE marking KEMA			
	Keur certificate			
Energy consumption kWh/1,000 hours	12 kWh			
EPREL registration number	1370826			
Product Data				
Full EOC	872016915705700			

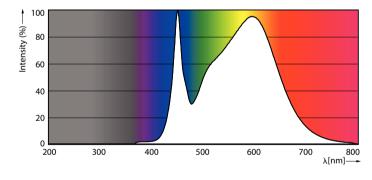
Order product name	CorePro LED PLL EM/Mains 12W 840 4P		
Order code	15705700		
SAP numerator – quantity per pack	1		
Numerator – packs per outer box	10		
Material number (12NC)	929003592502		
Full product name	CorePro LED PLL EM/Mains 12W 840 4P		
EAN/UPC - Case	8720169157064		

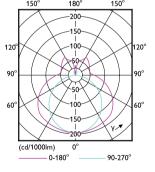
Dimensional drawing



Product	D1 D	2 A1	A2	А3
CorePro LED PLL EM/Mains 12W 840 4P	17 mm	250 mm	312 mm	319 mm

Photometric data

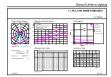




Spectral Power Distribution Colour

Light Distribution Diagram

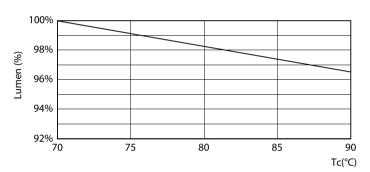
Photometric data

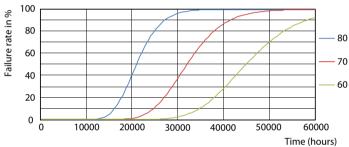


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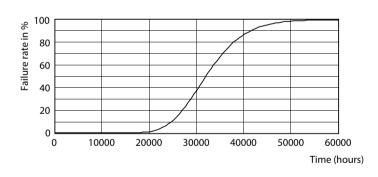
General uniform lighting - CorePro LED PLL EM/Mains 12W 840 4P

Lifetime

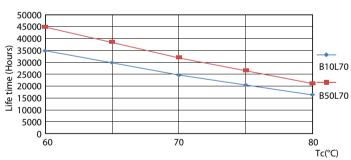




Lumen Maintenance Diagram



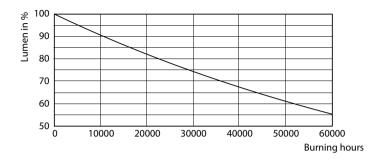
Life Expectancy Diagram



Life Expectancy Diagram - CorePro LED PLL EM/Mains 12W 840 4P

Life Expectancy Diagram

Lifetime



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 12W 840 4P



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