





CorePro LED PLL EM/Mains 12W 830 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 830 [CCT of 3000K] Beam angle (nom.) 160 degree(s) Luminous Flux 1,440 lm Colour designation White (WH) Correlated Colour Temperature 3000 K Luminous efficacy (rated) (nom.) 120 lm/W	
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Luminous efficacy (rated) (nom.) 120 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	

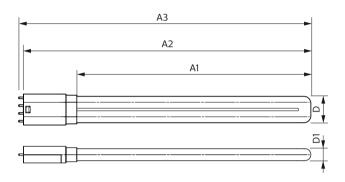
Operating and Electrical			
Line Frequency	50 to 60 Hz		
Input frequency	50 to 60 Hz		
Power Consumption	12 W		
Lamp current (nom.)	60 mA		
Starting time (nom.)	0.5 s		
Warm-up time to 60% light	0.5 s		
Power Factor (Fraction)	0.9		
Voltage (nom.)	220-240 V		
LED alternative to fluorescent lamp power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

Datasheet, 2023, April 15 data subject to change

Bulb shape	Tube, single-ended
Approval and Application	
Energy Efficiency Class	Е
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	1370825
Product Data	
Full EOC	872016915703300

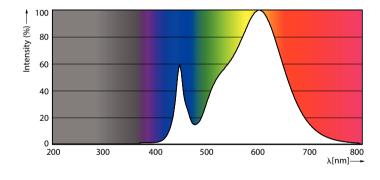
Order product name	CorePro LED PLL EM/Mains 12W 830 4P
Order code	15703300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material number (12NC)	929003592402
Full product name	CorePro LED PLL EM/Mains 12W 830 4P
EAN/UPC - Case	8720169157040

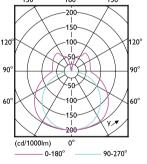
Dimensional drawing



Product	D1	D2	A1	A2	А3
CorePro LED PLL EM/Mains 12W 830 4P	17 mm		250 mm	312 mm	319 mm

Photometric data

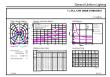




Spectral Power Distribution Colour

Light Distribution Diagram

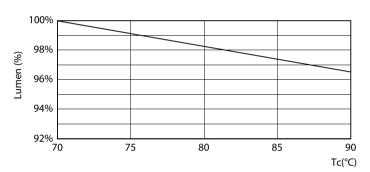
Photometric data

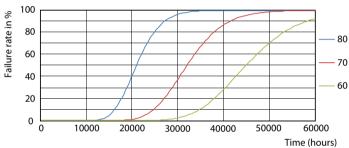


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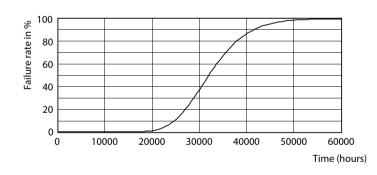
General uniform lighting - CorePro LED PLL EM/Mains 12W 830 4P

Lifetime

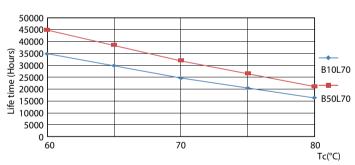




Lumen Maintenance Diagram



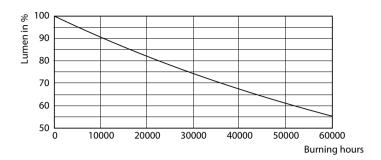
Life Expectancy Diagram



Life Expectancy Diagram - CorePro LED PLL EM/Mains 12W 830 4P

Life Expectancy Diagram

Lifetime



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 12W 830 4P



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