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CorePro LED PLL



CorePro LED PLL EM/Mains 16.5W 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				
Flux measurement reference	Sphere				
EU RoHS compliant	Yes				
Light Technical					
Colour Code	830 [CCT of 3000K]				
Beam angle (nom.)	160 degree(s)				
Luminous Flux	2,000 lm				
Colour designation	White (WH)				
Correlated Colour Temperature	3000 K				
Luminous efficacy (rated) (nom.)	121 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 62	471 RG0				

Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input frequency	50 to 60 Hz			
Power Consumption	16.5 W			
Lamp current (nom.)	83 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	36 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			
Product length	400 mm			

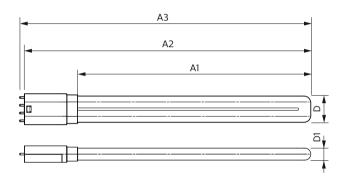
Datasheet, 2023, April 15 data subject to change

CorePro LED PLL

Bulb shape	Tube, single-ended		
Approval and Application			
Energy Efficiency Class	E		
Energy-saving product	Yes		
Approval marks	RoHS compliance TUV CE marking KEM		
	Keur certificate		
Energy consumption kWh/1,000 hours	17 kWh		
EPREL registration number	1370827		
Product Data			
Full EOC	872016915707100		

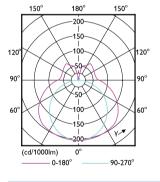
Order product name	CorePro LED PLL EM/Mains 16.5W 830		
	4P		
Order code	15707100		
SAP numerator – quantity per pack	1		
Numerator – packs per outer box	10		
Material no. (12 NC)	929003592602		
Full product name	CorePro LED PLL EM/Mains 16.5W 830		
	4P		
EAN/UPC - Case	8720169157088		
EAN/UPC - Product/Case	8720169157071		

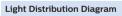
Dimensional drawing

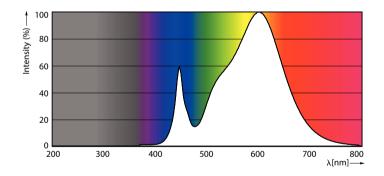


Product	D1	D2	A1	A2	А3
CorePro LED PLL EM/Mains 16.5W 830 4P	17 mm		330 mm	405 mm	412 mm

Photometric data



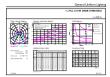




Spectral Power Distribution Colour

CorePro LED PLL

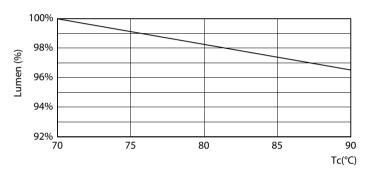
Photometric data

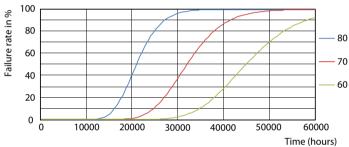


CataLuX Photometric 4.5 Philips Lighting 8.9. Philips 117

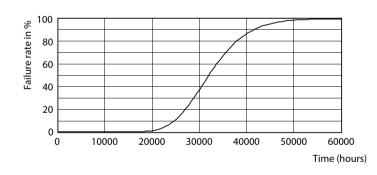
General uniform lighting - CorePro LED PLL EM/Mains 16.5W 830 4P

Lifetime

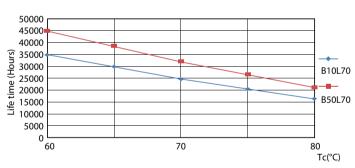




Lumen Maintenance Diagram



Life Expectancy Diagram

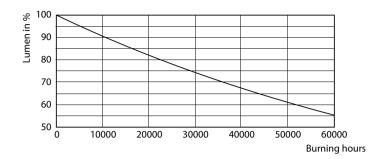


Life Expectancy Diagram - CorePro LED PLL EM/Mains 16.5W 830 4P

Life Expectancy Diagram

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Lifetime



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 16.5W 830 4P



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