

рншрѕ

CorePro LED PLL



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		
Nominal lifetime	30,000 h		
Switching Cycle	200,000		
Lighting Technology	LED		
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 (Nom)	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 %		
Photobiological safety according to EN 62471	RGO		
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
Inrush current at mains	8
Max. lamp no. on MCB B type 10A — Mains	90
Max. lamp no. on MCB B type 10A – EM ballast	105
without Compensation Capacitor.	
Max. lamp no. on MCB B type 10A – EM ballast	15
with Compensation Capacitor.	
Max. lamp no. on MCB B type $16A - Mains$	150
Max. lamp no. on MCB B type 16A – EM ballast	170
without Compensation Capacitor.	
Max. lamp no. on MCB B type 16A – EM ballast	25
with Compensation Capacitor.	
Ballast Compatibility	EM
Temperature	
T-Case maximum (nom.)	70 °C

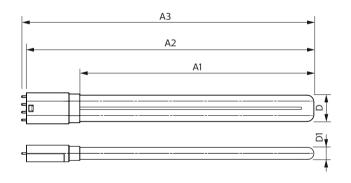
Datasheet, 2023, April 15 data subject to change

CorePro LED PLL

Dimmable No Mechanical and Housing Lamp Finish Frosted Bulb material Glass Product length 312 mm Bulb shape PL-L Net Weight (Piece) O.113 kg Approval and Application Energy Efficiency Class Energy-saving product Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes					
Mechanical and Housing Lamp Finish Frosted Bulb material Glass Product length 312 mm Bulb shape PL-L Net Weight (Piece) 0.113 kg Approval and Application Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Controls and Dimming				
Lamp Finish Frosted Bulb material Glass Product length 312 mm Bulb shape PL-L Net Weight (Piece) 0.113 kg Approval and Application Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Dimmable	No			
Lamp Finish Frosted Bulb material Glass Product length 312 mm Bulb shape PL-L Net Weight (Piece) 0.113 kg Approval and Application Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes					
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Bulb shape PL-L Net Weight (Piece) 0.113 kg Approval and Application Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Bulb material	Glass			
Approval and Application Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Product length	312 mm			
Approval and Application Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Bulb shape	PL-L			
Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Net Weight (Piece)	0.113 kg			
Energy Efficiency Class E Energy-saving product Yes Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes					
Energy-saving product Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Approval and Application				
Approval marks RoHS compliance KEMA Keur certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Energy Efficiency Class	E			
certificate Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Energy-saving product	Yes			
Energy consumption kWh/1,000 hours 12 kWh EPREL Registration Number 1370826 CE mark Yes	Approval marks	RoHS compliance KEMA Keur			
EPREL Registration Number 1370826 CE mark Yes		certificate			
CE mark Yes	Energy consumption kWh/1,000 hours	12 kWh			
	EPREL Registration Number	1370826			
EU RoHS compliant Yes	CE mark	Yes			
	EU RoHS compliant	Yes			

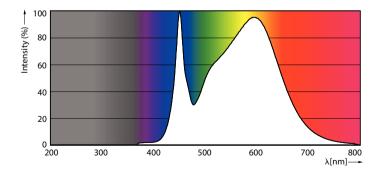
Elickering value (Betl M)	1		
Flickering value (PstLM)	1		
Stroboscopic effect	0.4		
Ambient temperature range	-20°C to 45°C		
Product Data			
Order product name	CorePro LED PLL EM/Mains 12W		
	840 4P		
Full product name	CorePro LED PLL EM/Mains 12W		
	840 4P		
Full EOC	872016915705700		
Order code	15705700		
Material no. (12 NC)	929003592502		
Numerator – quantity per pack	1		
EAN/UPC — Product/Case	8720169157057		
Numerator – packs per outer box	10		
EAN/UPC - Case	8720169157064		

Dimensional drawing

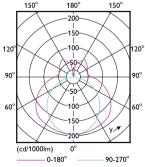


Product	D1	D2	A1	A2	А3
CorePro LED PLL EM/Mains 12W 840 4P	17 mm	38 mm	250 mm	312 mm	319 mn

Photometric data



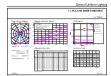




Light Distribution Diagram - CorePro LED PLL EM/Mains 12W 840 4P

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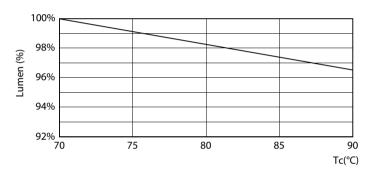
Photometric data

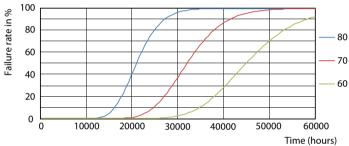


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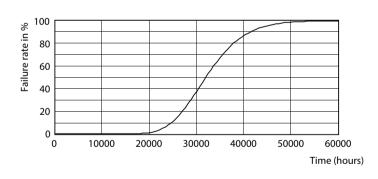
General uniform lighting - CorePro LED PLL EM/Mains 12W 840 4P

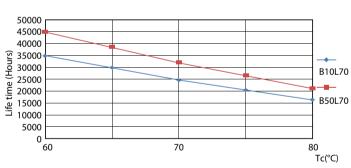
Lifetime





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





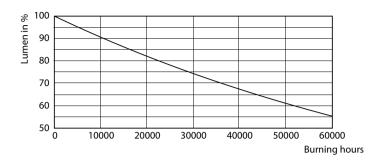
Life Expectancy Diagram

LifetimeVsTc

FailureRate

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Lifetime



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



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