



# CorePro LED PLL



## 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		Lamp Current (Nom)	
Cap-Base	2G11		60 mA
Nominal lifetime	30,000 hour(s)	Starting Time (Nom)	0.5 s
Switching Cycle	200,000	Warm-up time to 60% light	0.5 s
Lighting Technology	LED	Power Factor (Fraction)	0.9
Flux measurement reference	Sphere	Voltage (Nom)	220-240 V
		Ballast Compatibility	EM
		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 without Compensation Capacitor.	105
		Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	15
		Max. lamp no. on MCB B type 16A - Mains	150
		Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	170
		Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25
Light Technical		Temperature	
Color Code	830 [CCT of 3000K]	T-Case Maximum (Nom)	70 °C
Beam Angle (Nom)	160 degree(s)		
Luminous Flux	1,440 lm		
Color Designation	White (WH)		
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	120 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %		
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		

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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb 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/1000 h	12 kWh
EPREL Registration Number	1370825
CE mark	Yes
EU RoHS compliant	Yes

Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
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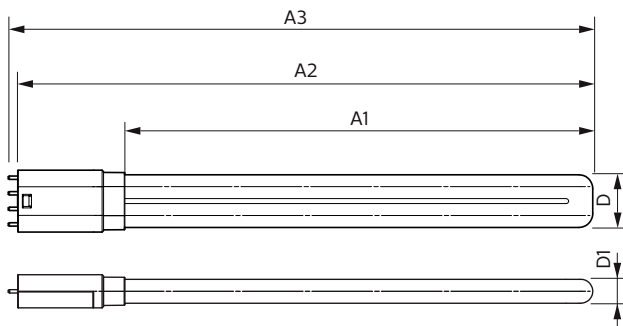
Stroboscopic effect visibility measure (SVM)	0.4
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Ambient temperature range	-20 °C to 45 °C
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## Product Data

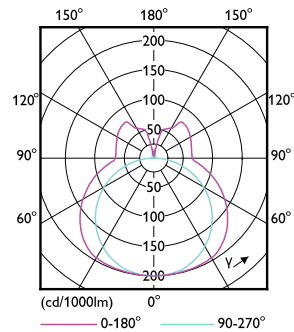
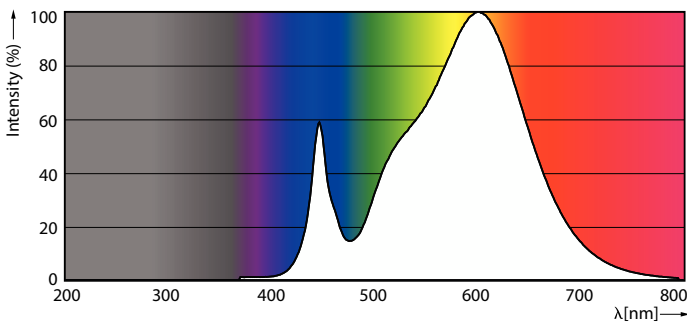
Order product name	CorePro LED PLL EM/Mains 12W 830 4P
Full product name	CorePro LED PLL EM/Mains 12W 830 4P
Full product code	872016915703300
Order code	929003592402
Material Nr. (12NC)	929003592402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169157033
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169157040

## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 12W 830 4P	17 mm	38 mm	250 mm	312 mm	319 mm

## Photometric data

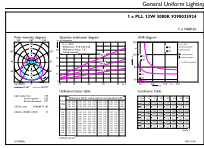


Spectral Power Distribution Colour - CorePro LED PLL EM/Mains 12W 830 4P

Light Distribution Diagram - CorePro LED PLL EM/Mains 12W 830 4P

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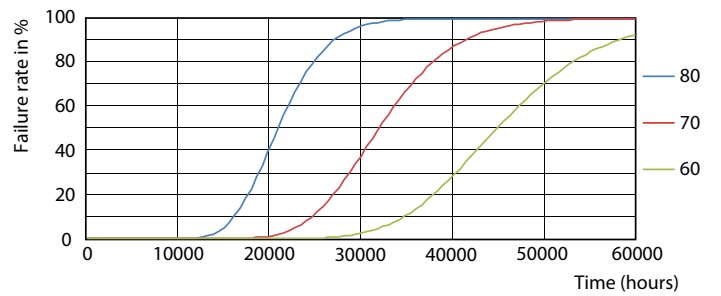
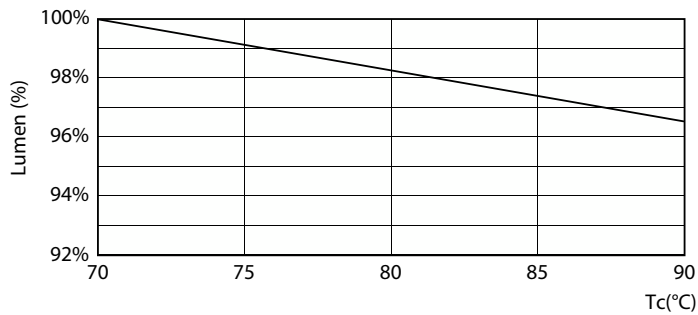
## Photometric data



General Parameters 43 Page 17

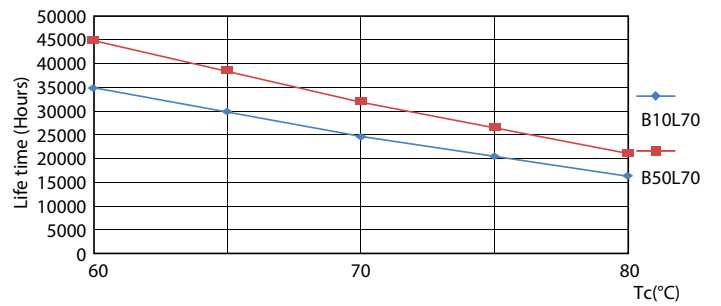
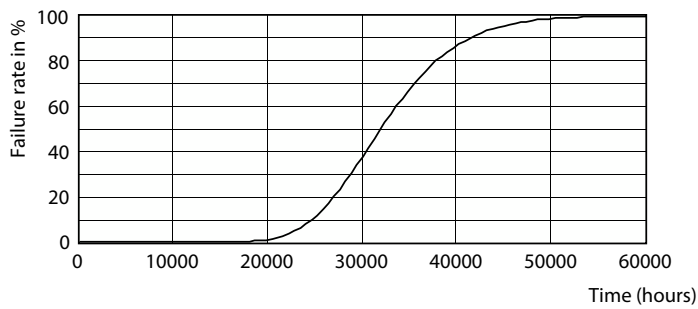
General uniform lighting - CorePro LED PLL EM/Mains 12W 830 4P

## Lifetime



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

FailureRate

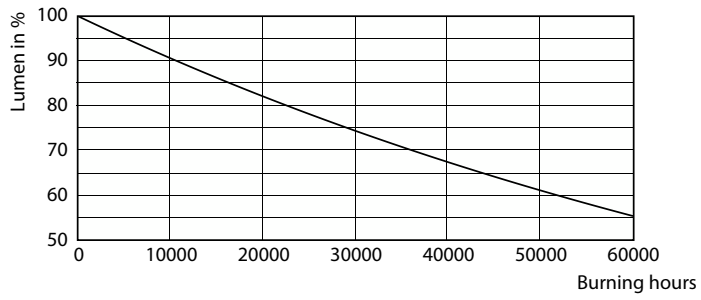


Life Expectancy Diagram

LifetimeVsTc

# CorePro LED PLL

## Lifetime



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

