



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 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,500 lm
Luminous Efficacy (rated) (Nom)	125 lm/W
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	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
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
Ballast Compatibility	EM

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Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	300 mm
Bulb Shape	PL-L

Approval and Application

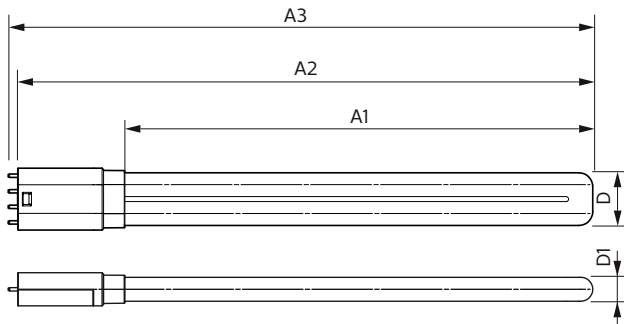
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	12 kWh

EPREL Registration Number	1370826
EU RoHS compliant	Yes

Product Data

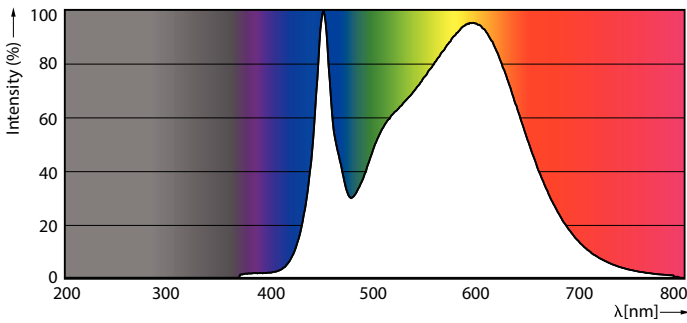
Order product name	CorePro LED PLL EM/Mains 12W 840 4P
Full product name	CorePro LED PLL EM/Mains 12W 840 4P
Full product code	872016915705700
Order code	929003592502
Material Nr. (12NC)	929003592502
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.113 kg
EAN/UPC - Product/Case	8720169157057
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169157064

Dimensional drawing

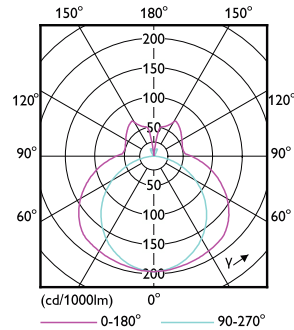


Product	D1	D	A1	A2	A3
CorePro LED PLL EM/Mains 12W 840 4P	17 mm	38 mm	250 mm	312 mm	319 mm

Photometric data



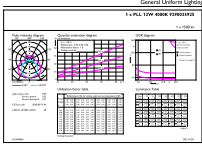
Spectral Power Distribution Colour - CorePro LED PLL EM/Mains 12W 840 4P



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

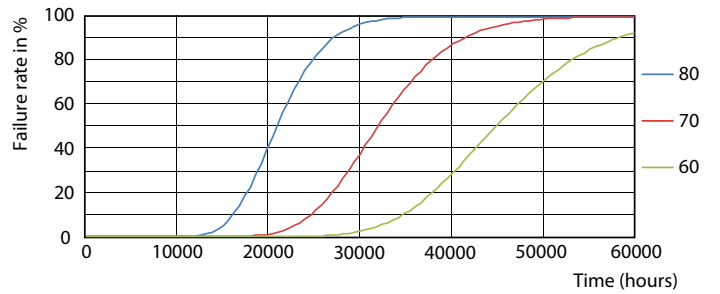
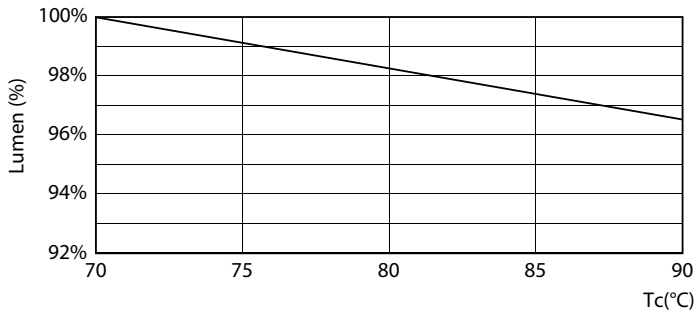
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Photometric data



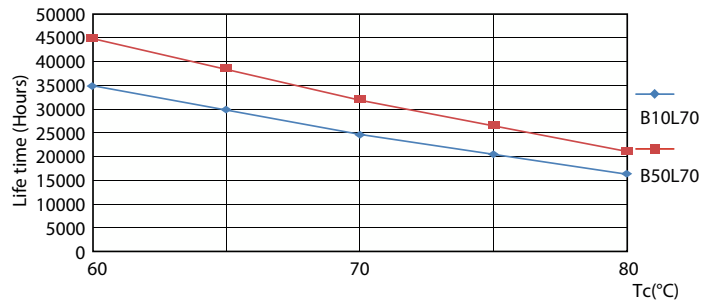
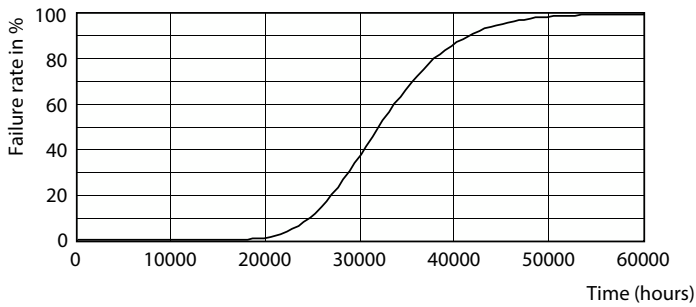
General uniform lighting - CorePro LED PLL EM/Mains 12W 840 4P

Lifetime



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

FailureRate

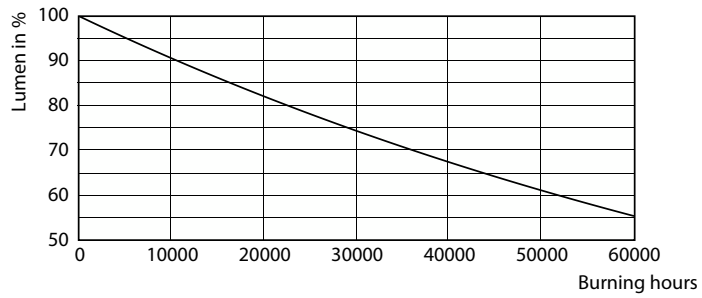


Life Expectancy Diagram

LifetimeVsTc

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Lifetime



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

