



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
EU RoHS compliant	Yes
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	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 %
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
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 Comp. Cap.	105
Max. lamp no. on MCB B type 10A — EM ballast with Comp. Cap.	15
Max. lamp no. on MCB B type 16A — Mains	150
Max. lamp no. on MCB B type 16A — EM ballast without Comp. Cap.	170
Max. lamp no. on MCB B type 16A — EM ballast with Comp. Cap.	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

Lamp Finish	Frosted
Bulb material	Glass
Product length	300 mm
Bulb shape	PL-L

Approval and Application

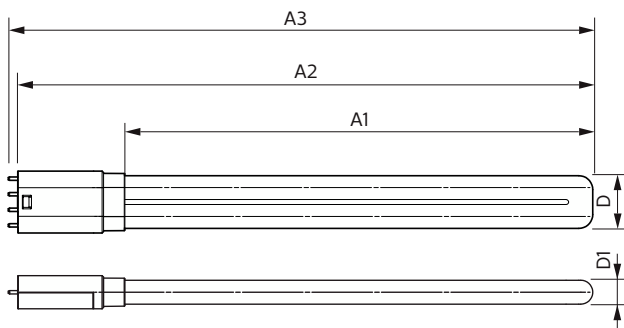
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	12 kWh
EPREL registration number	1370826

Product Data

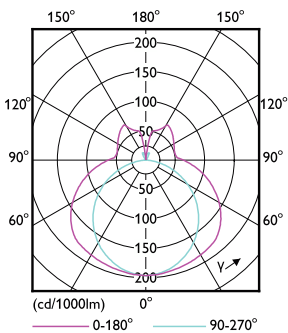
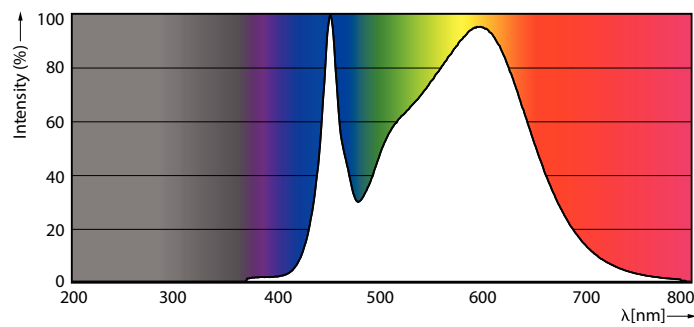
Order product name	CorePro LED PLL EM/Mains 12W 840 4P
Full product name	CorePro LED PLL EM/Mains 12W 840 4P
Full EOC	872016915705700
Order code	15705700
Material no. (12 NC)	929003592502
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8720169157057
Numerator – packs per outer box	10
EAN/UPC - Case	8720169157064

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 12W 840 4P	17 mm		250 mm	312 mm	319 mm

Photometric data

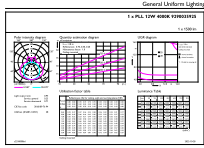


Spectral Power Distribution Colour - CorePro LED PLL EM/Mains 12W 840 4P

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

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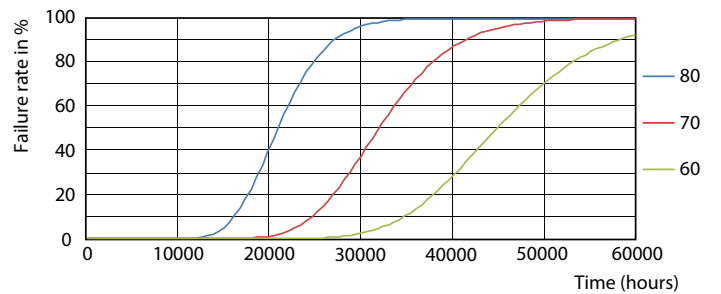
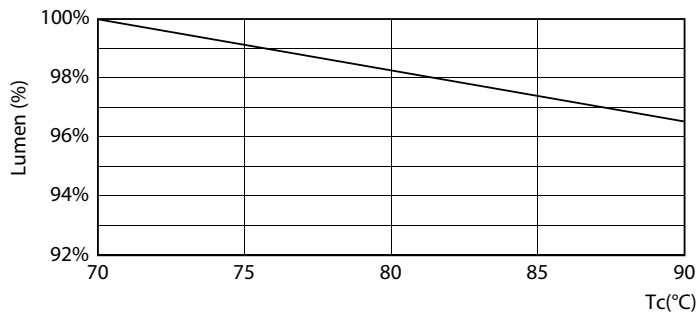
Photometric data



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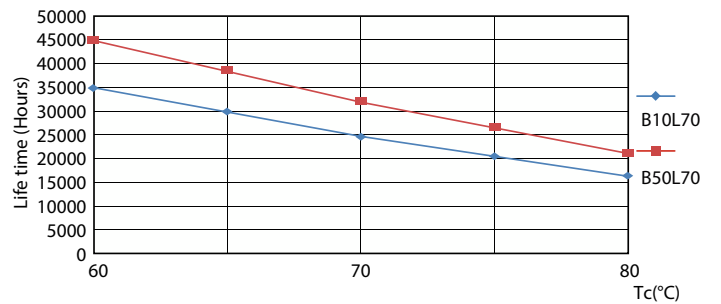
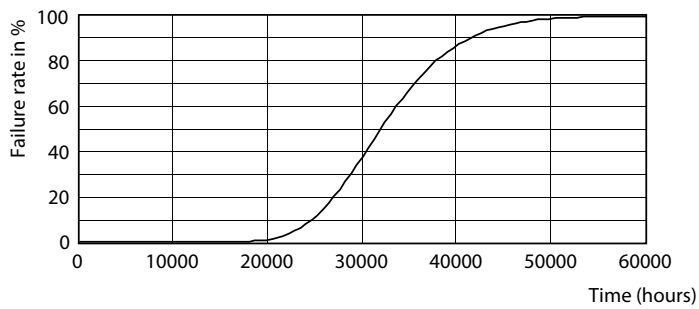
General uniform lighting - CorePro LED PLL EM/Mains 12W 840 4P

Lifetime



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

Life Expectancy Diagram - CorePro LED PLL EM/Mains 12W 840 4P

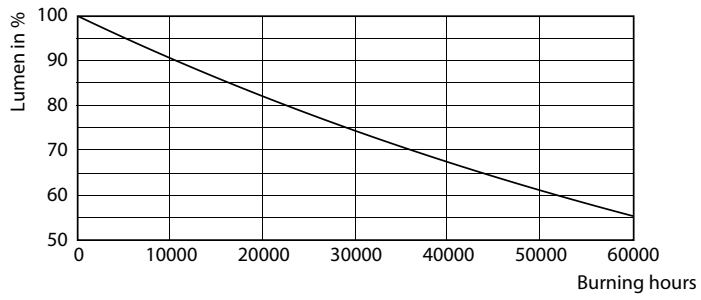


Life Expectancy Diagram - CorePro LED PLL EM/Mains 12W 840 4P

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Lifetime



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

