



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 62471 RG0	

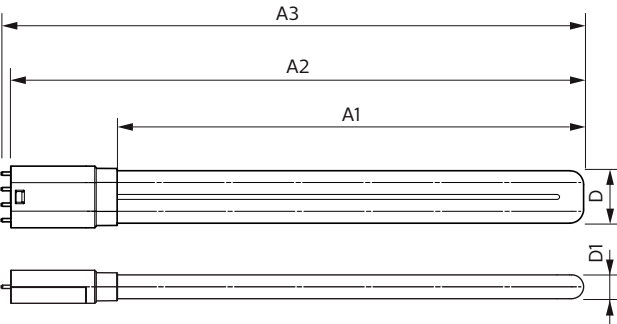
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	16.5 W
Lamp current (nom.)	83 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
LED alternative to fluorescent lamp power	36 W
Temperature	
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

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Bulb shape	Tube, single-ended
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	17 kWh
EPREL registration number	1370827
Product Data	
Full EOC	872016915707100

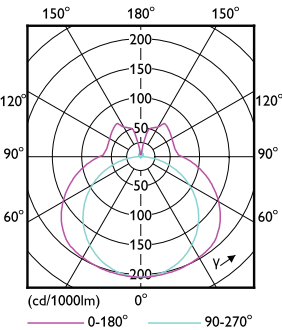
Order product name	CorePro LED PLL EM/Mains 16.5W 830 4P
Order code	15707100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material no. (12 NC)	929003592602
Full product name	CorePro LED PLL EM/Mains 16.5W 830 4P
EAN/UPC – Case	8720169157088
EAN/UPC – Product/Case	8720169157071

Dimensional drawing

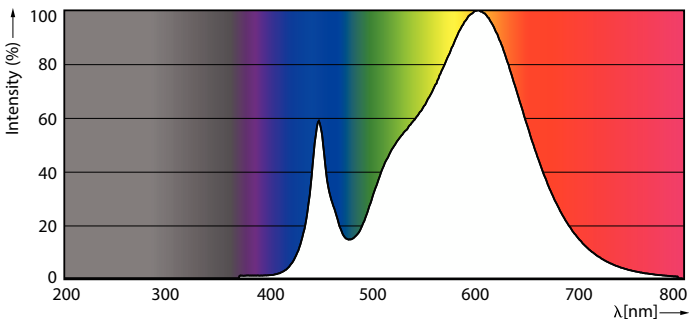


Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 16.5W 830 4P	17 mm		330 mm	405 mm	412 mm

Photometric data

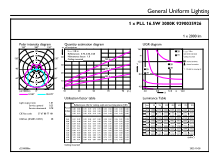


Light Distribution Diagram



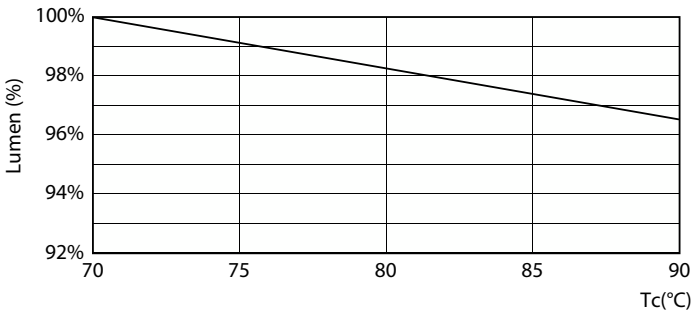
Spectral Power Distribution Colour

Photometric data

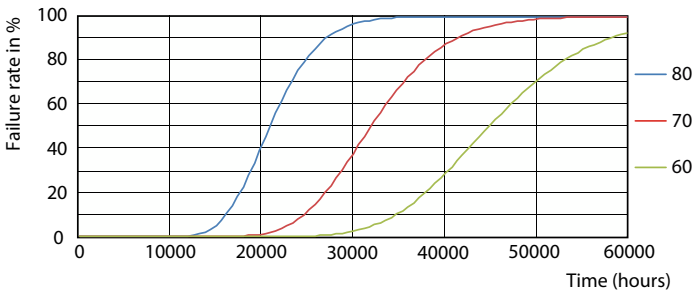


General Uniform Lighting - CorePro LED PLL EM/Mains 16.5W 830 4P

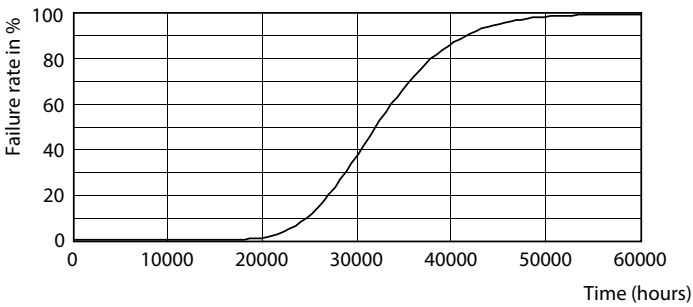
Lifetime



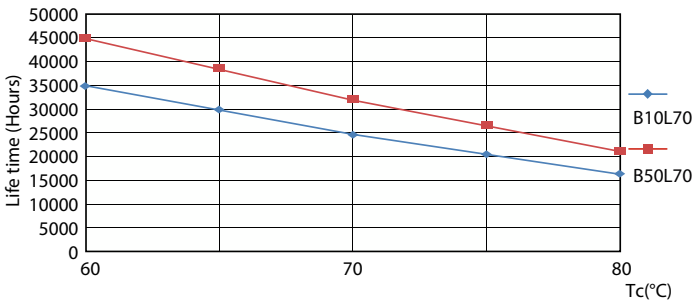
Lumen Maintenance Diagram



Life Expectancy Diagram



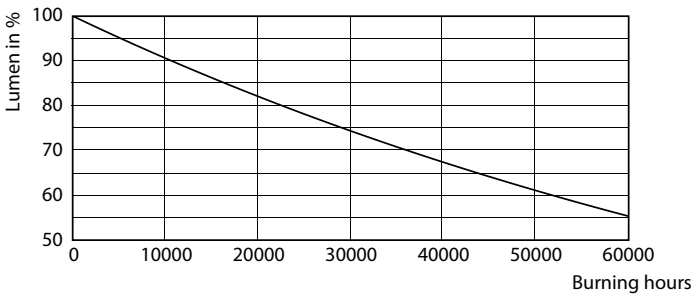
Life Expectancy Diagram - CorePro LED PLL EM/Mains 16.5W 830 4P



Life Expectancy Diagram

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Lifetime



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

