



CorePro LED PLL



CorePro LED PLL EM/Mains 16.5W 830 4P

CorePro, LED, PL-L, EM, 405 mm, 16.5 W, 36W PL-L, 3000 K, 2000 lm, CRI 80, 30000 hour(s)

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
Warranty period	3 years
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	121 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	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	36W PL-L
Inrush current at mains	9.4
Max. lamp no. on MCB B type 10A - Mains	82
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	104
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	19
Max. lamp no. on MCB B type 16A - Mains	131

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Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	166
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	30
Ballast Compatibility	EM
Temperature	
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	405 mm
Bulb Shape	PL-L
Net Weight (Piece)	0.150 kg
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh

EPREL Registration Number	1370827
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 °C to 45 °C

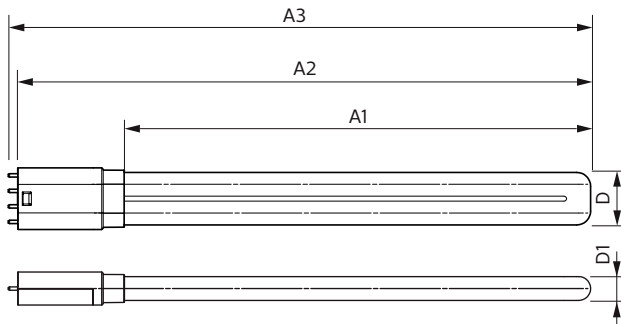
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	CorePro LED PLL EM/Mains 16.5W 830 4P
Full product name	CorePro LED PLL EM/Mains 16.5W 830 4P
Full product code	872016915707100
Order code	929003592602
Material Nr. (12NC)	929003592602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169157071
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169157088

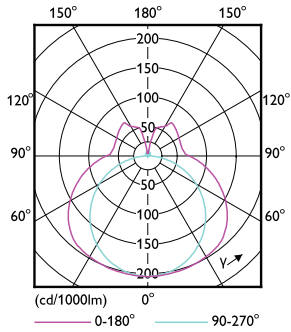
Dimensional drawing



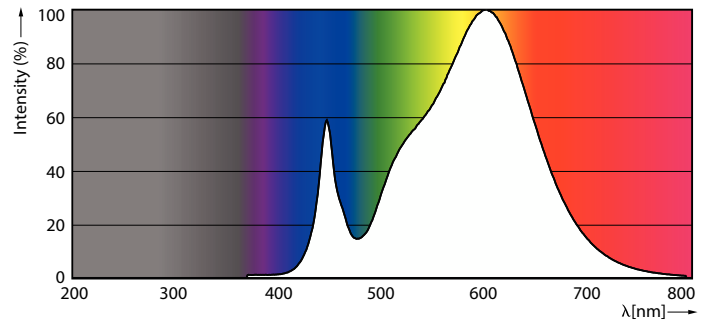
Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 16.5W 830 4P	17 mm	38 mm	330 mm	405 mm	412 mm

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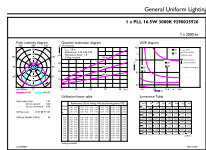
Photometric data



Light Distribution Diagram - CorePro LED PLL EM/Mains 16.5W 830 4P



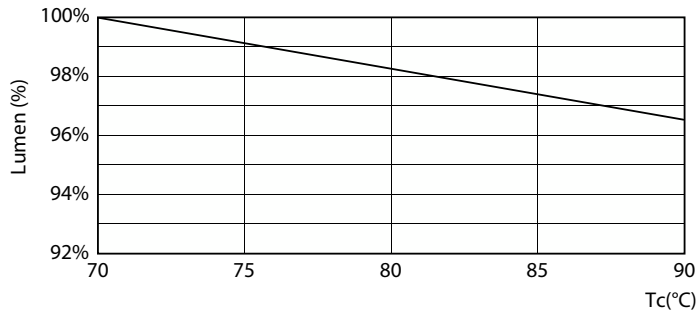
Spectral Power Distribution Colour - CorePro LED PLL EM/Mains 16.5W 830 4P



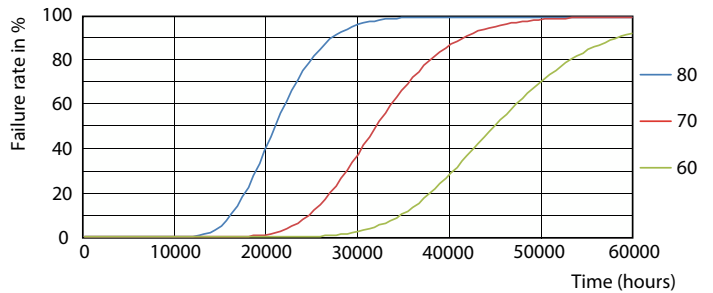
General Uniform Lighting - CorePro LED PLL EM/Mains 16.5W 830 4P

General uniform lighting - CorePro LED PLL EM/Mains 16.5W 830 4P

Lifetime



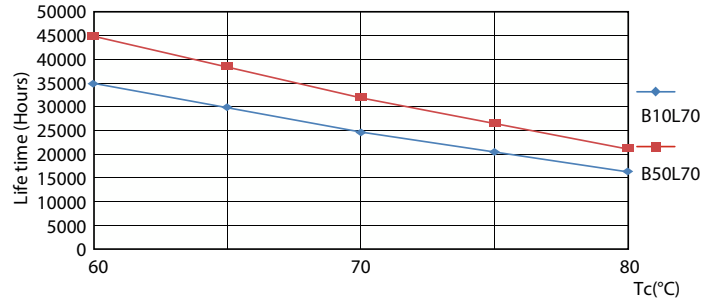
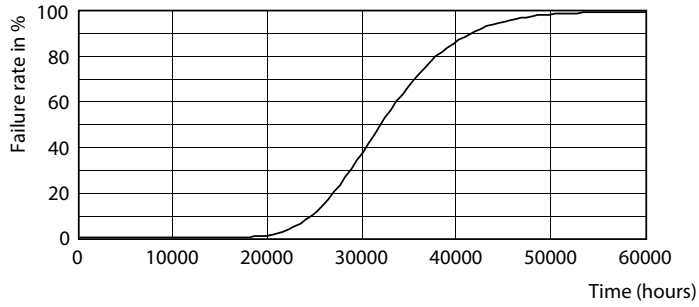
Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 16.5W 830 4P



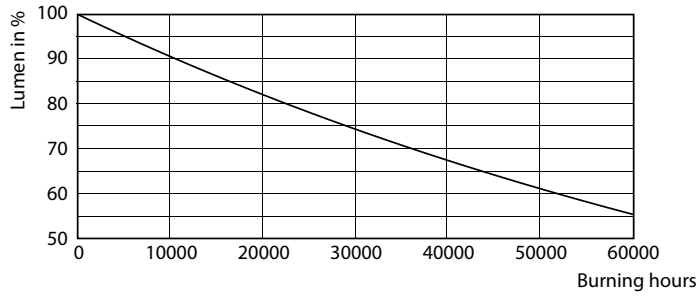
FailureRate

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Lifetime



Life Expectancy Diagram



LifetimeVsTc

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

