



CorePro LED PLL

CorePro LED PLL HF 16.5W 840 4P 2G11

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]	Input Frequency	39000-71000 Hz
Nominal lifetime	30,000 hour(s)	Power Consumption	16.5 W
Switching Cycle	50,000	Lamp Current (Max)	420 mA
Lighting Technology	LED	Lamp Current (Min)	290 mA
Flux measurement reference	Sphere	Starting Time (Nom)	0.5 s
CE mark	Yes	Warm-up time to 60% light	0.5 s
EU RoHS compliant	Yes	Power Factor (Fraction)	0.9
		Voltage (Nom)	53-77 V
Light Technical		LED alternative to fluorescent lamp power	36 W
Color Code	840 [CCT of 4000K]	Max. lamp no. on MCB B type 10A - Mains	-
Beam Angle (Nom)	160 degree(s)	Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	-
Luminous Flux	2,100 lm	Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
Color Designation	Cool White (CW)	Max. lamp no. on MCB B type 16A - Mains	-
Correlated Color Temperature (Nom)	4000 K	Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	-
Luminous Efficacy (rated) (Nom)	127.00 lm/W	Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	-
Color Consistency	<6		
Color rendering index (CRI)	83	Temperature	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Ambient temperature range	-4 °F to 113 °F
Photobiological safety according to EN 62471	RG0		
Operating and Electrical			
Line Frequency	39000-71000 Hz		

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T-Case Maximum (Nom)	158 °F
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Material	Glass
Product Length	16 inch
Bulb Shape	PL-L
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh

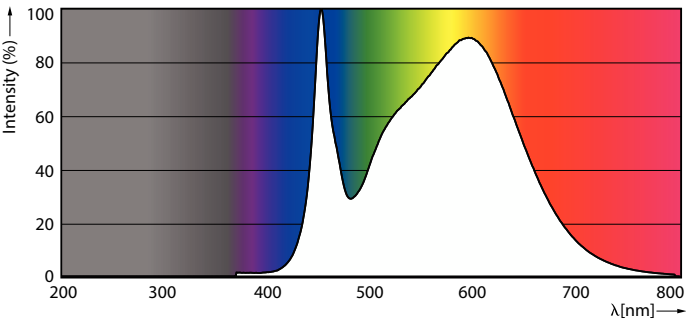
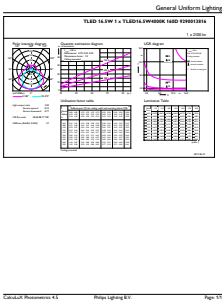
EPREL Registration Number	387353
Product Data	
Order product name	CorePro LED PLL HF 16.5W 840 4P 2G11
Full product name	CorePro LED PLL HF 16.5W 840 4P 2G11
Full product code	871869673974700
Order code	345637
Material Nr. (12NC)	929001381602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696739747
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696739754

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 16.5W 840 4P 2G11	1-3/4 inch	15/16 inch	13 inch	16 inch	16-1/4 inch

Photometric data

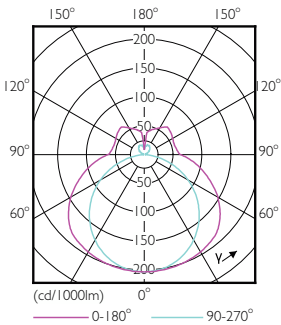


General uniform lighting - CorePro LED PLL HF 16.5W 840 4P 2G11

Spectral Power Distribution Colour - CorePro LED PLL HF 16.5W 840 4P 2G11

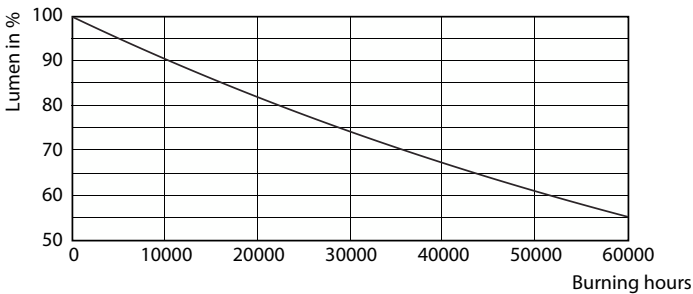
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Photometric data

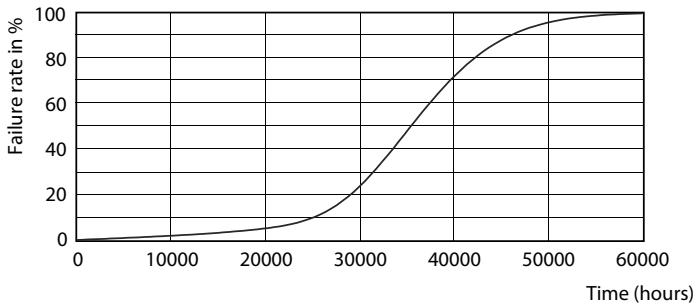


Light Distribution Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11

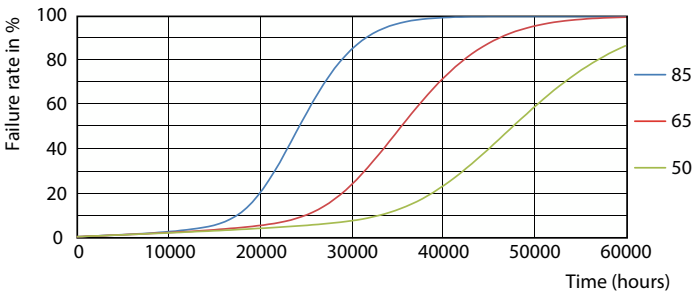
Lifetime



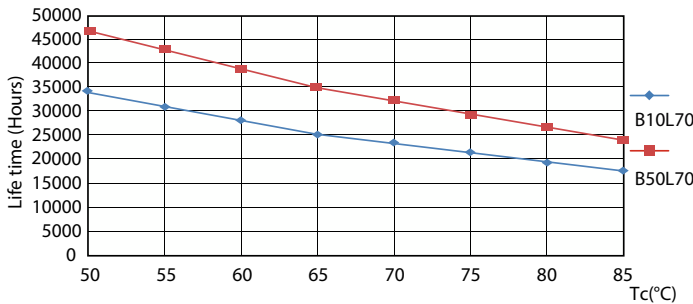
Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11



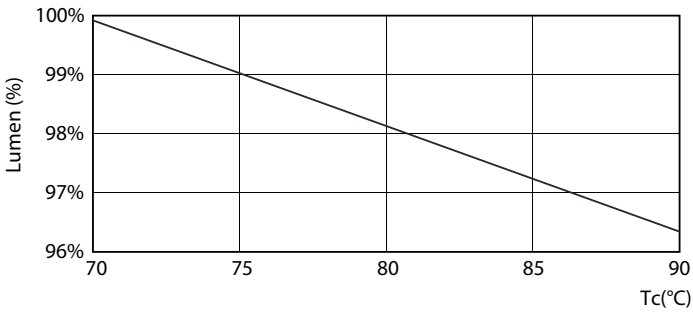
Life Expectancy Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11

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Lifetime



Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11

