



CorePro LED PLL



CorePro LED PLL HF 16.5W 830 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		Input Frequency	
Cap-Base	2G11	Power Consumption	39000-71000 Hz
Nominal lifetime	30,000 hour(s)	Lamp Current (Max)	16.5 W
Switching Cycle	50,000	Lamp Current (Min)	420 mA
Lighting Technology	LED	Starting Time (Nom)	290 mA
Flux measurement reference	Sphere	Warm-up time to 60% light	0.5 s
CE mark	Yes	Power Factor (Fraction)	0.9
EU RoHS compliant	Yes	Voltage (Nom)	53-77 V
		LED alternative to fluorescent lamp power	36 W
		Inrush current at mains	-
		Max. lamp no. on MCB B type 10A - Mains	-
		Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	-
		Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
		Max. lamp no. on MCB B type 16A - Mains	-
		Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	-
		Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	-
		Ballast Compatibility	HF
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)	121.00 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	83		
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Photobiological safety according to EN 62471	RG0		
Operating and Electrical			
Line Frequency	39000-71000 Hz		

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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 Material	Glass
Product Length	400 mm
Bulb Shape	PL-L

Approval and Application

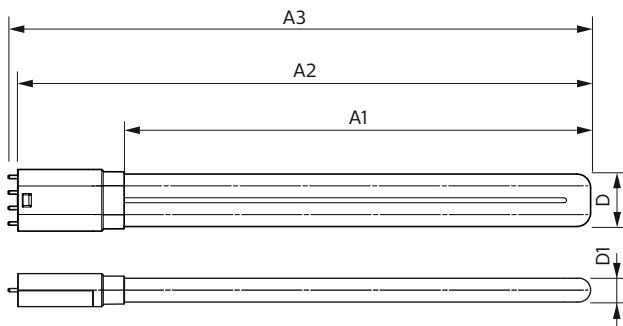
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	387352

Product Data

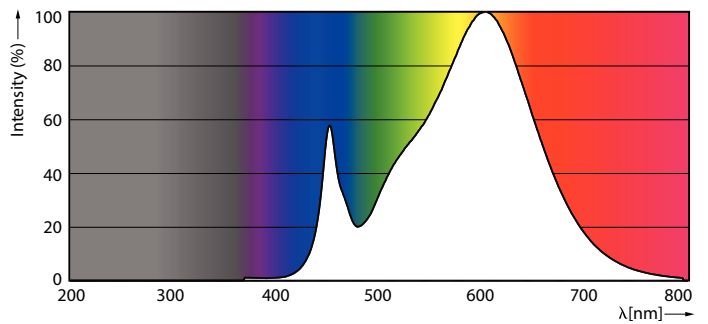
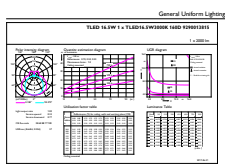
Order product name	CorePro LED PLL HF 16.5W 830 4P 2G11
Full product name	CorePro LED PLL HF 16.5W 830 4P 2G11
Full product code	871869673966200
Order code	929001381502
Material Nr. (12NC)	929001381502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696739662
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696739679

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 16.5W 830 4P 2G11	43.6 mm	23.4 mm	329.5 mm	405 mm	411.6 mm

Photometric data

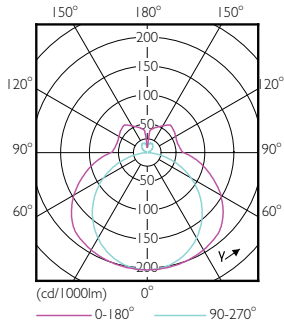


General uniform lighting - CorePro LED PLL HF 16.5W 830 4P 2G11

Spectral Power Distribution Colour - CorePro LED PLL HF 16.5W 830 4P 2G11

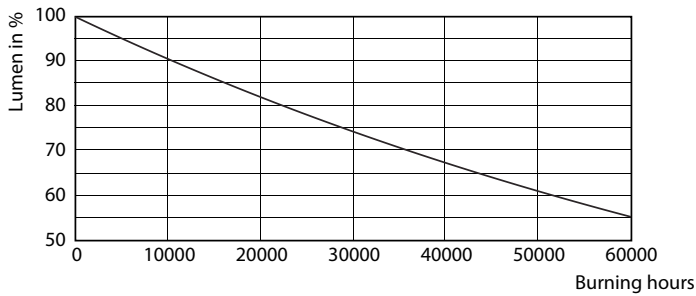
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Photometric data

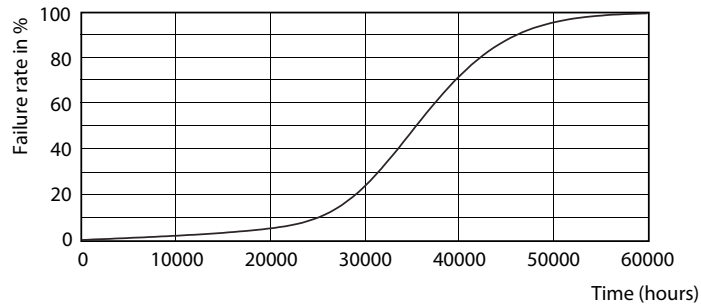


Light Distribution Diagram - CorePro LED PLL HF 16.5W 830 4P 2G11

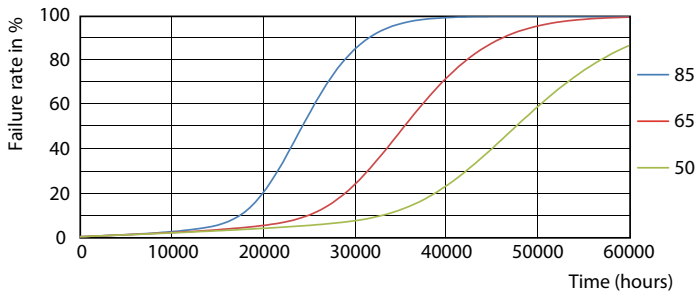
Lifetime



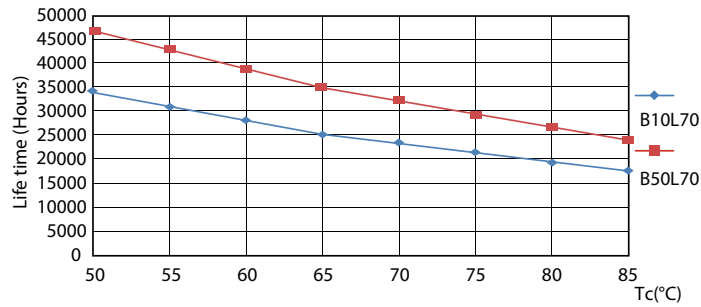
Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 830 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 830 4P 2G11



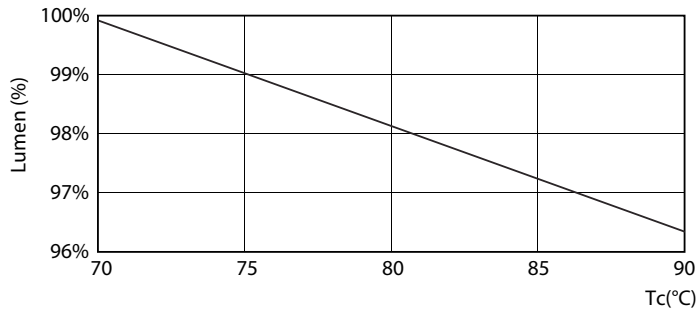
Life Expectancy Diagram - CorePro LED PLL HF 16.5W 830 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 830 4P 2G11

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Lifetime



Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 830 4P 2G11

