



CorePro LED PLL



CorePro LED PLL HF 12W 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		
Cap-Base	2G11 [2G11]	
Nominal lifetime	30,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
EU RoHS compliant	Yes	
Light Technical		
Color Code	830 [CCT of 3000K]	
Beam Angle (Nom)	160 degree(s)	
Luminous Flux	1,440 lm	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	120 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom)	70 %	
Photobiological safety according to EN 62471	RGO	
Operating and Electrical		
Line Frequency	20K-80K Hz	
Input Frequency	20K-80K Hz	
Power Consumption		12 W
Lamp Current (Max)		500 mA
Lamp Current (Min)		150 mA
Starting Time (Nom)		0.5 s
Warm-up time to 60% light		0.5 s
Power Factor (Fraction)		0.9
Voltage (Nom)		20-60 V
LED alternative to fluorescent lamp power		24 W
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.		
Temperature		
Ambient temperature range	-20 °C to 45 °C	
T-Case Maximum (Nom)	70 °C	

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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	300 mm
Bulb Shape	PL-L

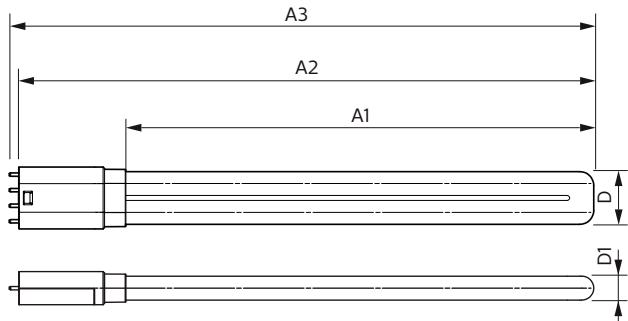
Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	12 kWh
EPREL Registration Number	1370821

Product Data

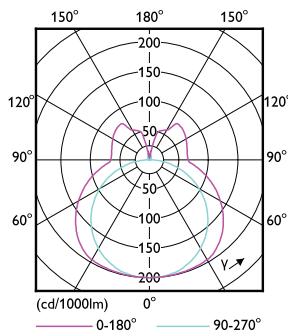
Order product name	CorePro LED PLL HF 12W 830 4P 2G11
Full product name	CorePro LED PLL HF 12W 830 4P 2G11
Full product code	871951448680500
Order code	929003579002
Material Nr. (12NC)	929003579002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514486805
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514486812

Dimensional drawing

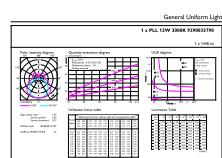


Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 12W 830 4P 2G11	17 mm	250 mm	312 mm	319 mm	

Photometric data



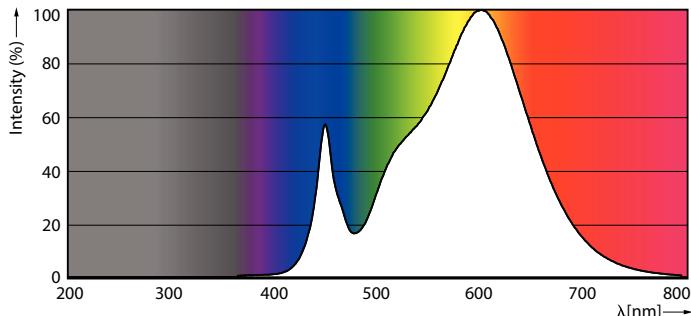
Light Distribution Diagram



General uniform lighting - CorePro LED PLL HF 12W 830 4P 2G11

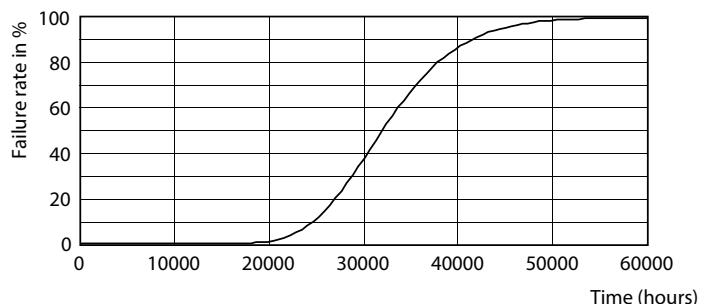
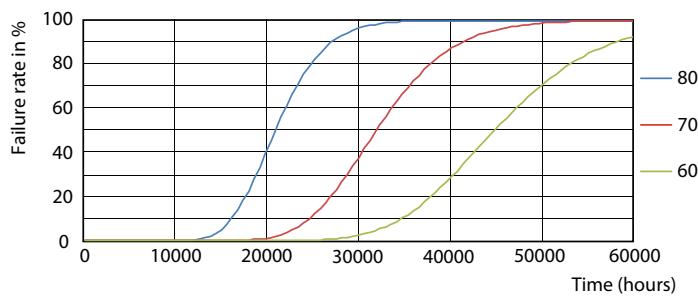
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Photometric data

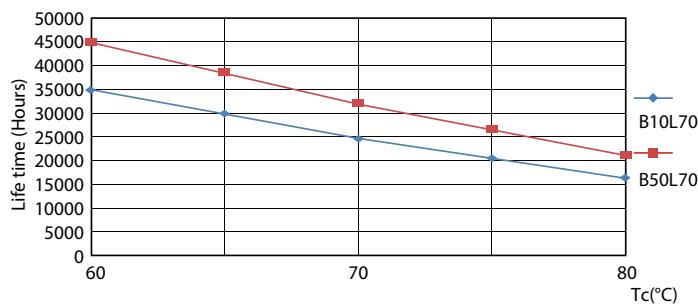


Spectral Power Distribution Colour

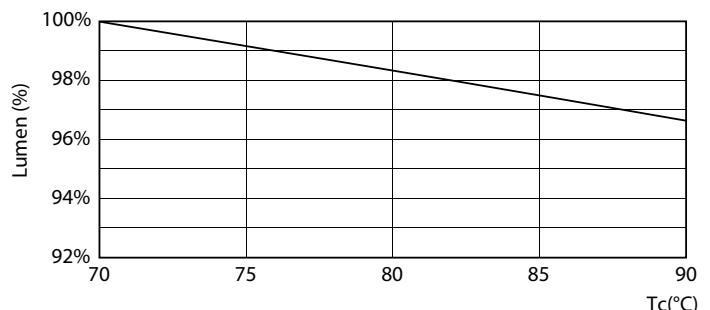
Lifetime



Life Expectancy Diagram - CorePro LED PLL HF 12W 830 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 12W 830 4P 2G11

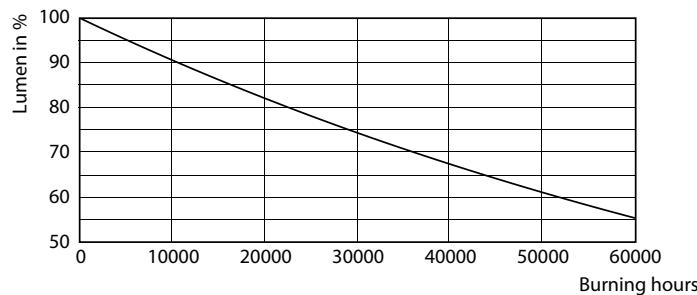


Life Expectancy Diagram - CorePro LED PLL HF 12W 830 4P 2G11

Lumen Maintenance Diagram

CorePro LED PLL

Lifetime



Lumen Maintenance Diagram - CorePro LED PLL HF 12W 830 4P 2G11

