

**PHILIPS****Lighting**

# CorePro LED PLL



## CorePro LED PLL HF 8W 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

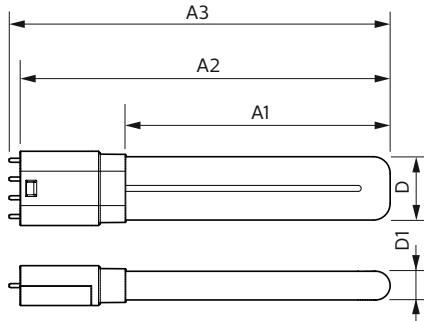
General Information		Power Consumption	8 W
Cap-Base	2G11	Lamp Current (Max)	500 mA
Nominal lifetime	30,000 hour(s)	Lamp Current (Min)	150 mA
Switching Cycle	50,000	Starting Time (Nom)	0.5 s
Lighting Technology	LED	Warm-up time to 60% light	0.5 s
Flux measurement reference	Sphere	Power Factor (Fraction)	0.9
EU RoHS compliant	Yes	Voltage (Nom)	20-60 V
Light Technical		LED alternative to fluorescent lamp power	18 W
Color Code	830 [CCT of 3000K]	Inrush current at mains	-
Beam Angle (Nom)	160 degree(s)	Max. lamp no. on MCB B type 10A - Mains	-
Luminous Flux	960 lm	Max. lamp no. on MCB B type 10A - EM ballast	-
Color Designation	White (WH)	without Comp. Cap.	
Correlated Color Temperature (Nom)	3000 K	Max. lamp no. on MCB B type 10A - EM ballast	-
Luminous Efficacy (rated) (Nom)	120 lm/W	with Comp. Cap.	
Color Consistency	<6	Max. lamp no. on MCB B type 16A - Mains	-
Color rendering index (CRI)	80	Max. lamp no. on MCB B type 16A - EM ballast	-
LLMF At End Of Nominal Lifetime (Nom)	70 %	without Comp. Cap.	
Photobiological safety according to EN 62471	RG0	Max. lamp no. on MCB B type 16A - EM ballast	-
Operating and Electrical		with Comp. Cap.	
Line Frequency	20K-80K Hz	Ballast Compatibility	HF
Input Frequency	20K-80K Hz	Temperature	
		Ambient temperature range	-20 °C to 45 °C

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T-Case Maximum (Nom)	70 °C
<b>Controls and Dimming</b>	
Dimmable	No
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	200 mm
Bulb Shape	PL-L
<b>Approval and Application</b>	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh

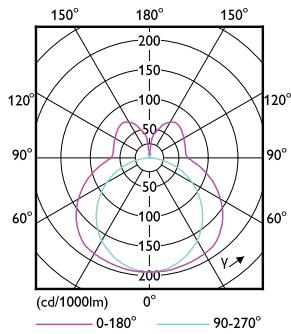
EPREL Registration Number	1370819
<b>Product Data</b>	
Order product name	CorePro LED PLL HF 8W 830 4P 2G11
Full product name	CorePro LED PLL HF 8W 830 4P 2G11
Full product code	871951448676800
Order code	929003578802
Material Nr. (12NC)	929003578802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514486768
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514486775

## Dimensional drawing

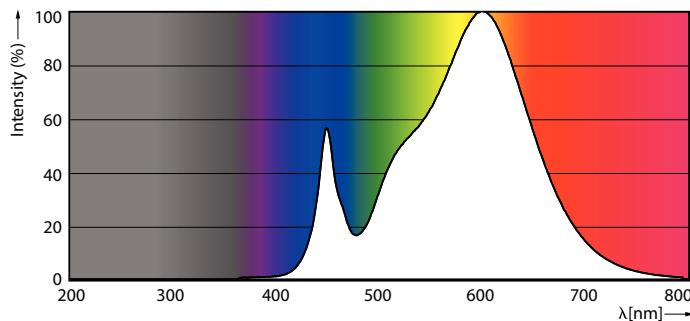


Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 8W 830 4P 2G11	17 mm		155 mm	217 mm	224 mm

## Photometric data



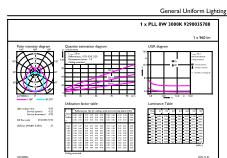
Light Distribution Diagram - CorePro LED PLL HF 8W 830 4P 2G11



Spectral Power Distribution Colour - CorePro LED PLL HF 8W 830 4P 2G11

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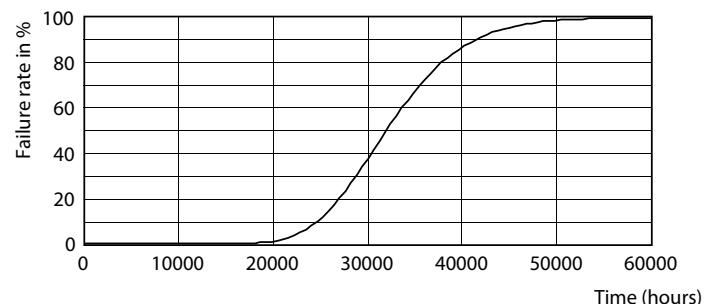
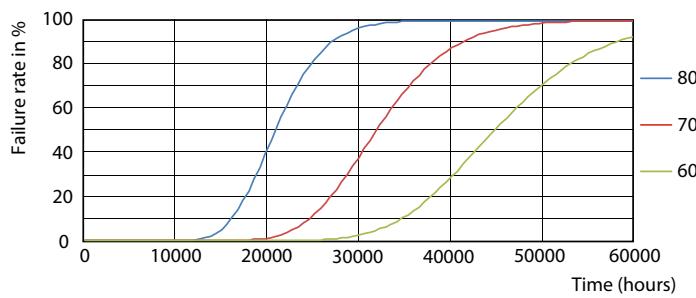
## Photometric data



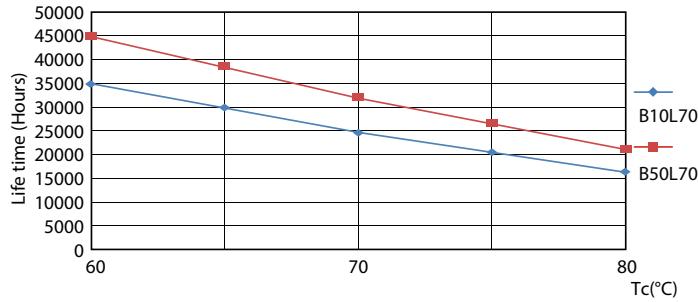
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### General uniform lighting - CorePro LED PLL HF 8W 830 4P 2G11

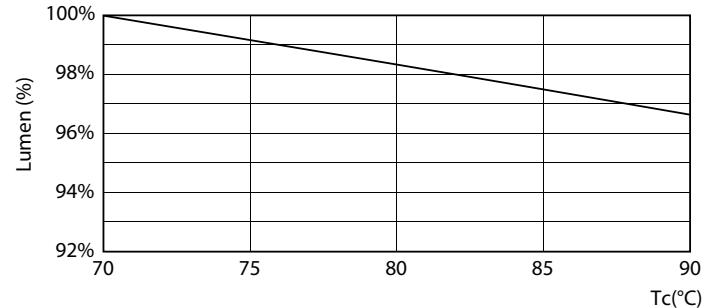
## Lifetime



### Life Expectancy Diagram - CorePro LED PLL HF 8W 830 4P 2G11



### Life Expectancy Diagram - CorePro LED PLL HF 8W 830 4P 2G11

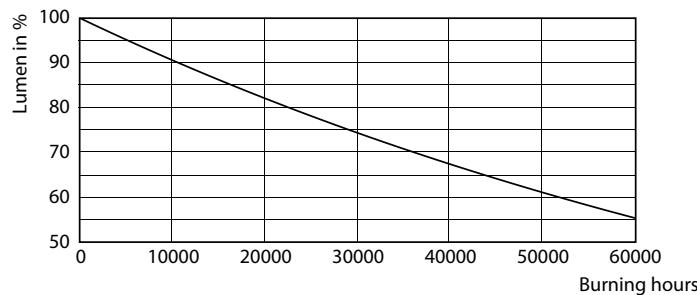


### Life Expectancy Diagram - CorePro LED PLL HF 8W 830 4P 2G11

### Lumen Maintenance Diagram - CorePro LED PLL HF 8W 830 4P 2G11

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### Lifetime



Lumen Maintenance Diagram - CorePro LED PLL HF 8W 830 4P 2G11

