

# CorePro LED PLL



## CorePro LED PLL HF 8W 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]
Nominal lifetime	30,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	1,000 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	125 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG0
Operating and Electrical	
Line Frequency	20K-80K Hz
Input frequency	20 K-80 K Hz
Power Consumption	8 W

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	18 W

Temperature	
Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	70 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Glass
Product length	200 mm
Bulb shape	Tube, single-ended

Approval and Application	
Energy Efficiency Class	E
Energy-saving product	Yes

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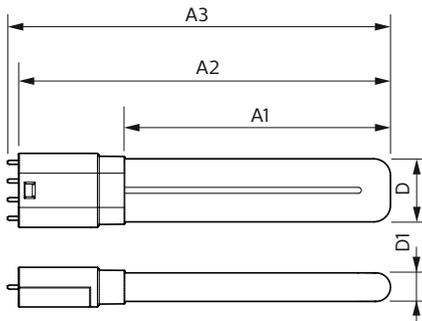
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	8 kWh
EPREL registration number	1370820
EU RoHS compliant	Yes

## Product Data

Full EOC	871951448678200
Order product name	CorePro LED PLL HF 8W 840 4P 2G11

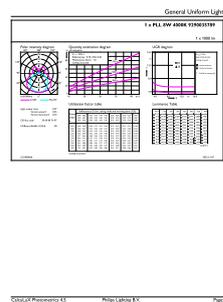
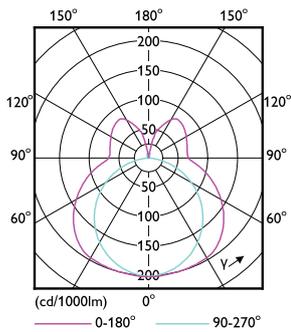
Order code	48678200
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material number (12NC)	929003578902
Full product name	CorePro LED PLL HF 8W 840 4P 2G11
EAN/UPC – Case	8719514486799

## Dimensional drawing



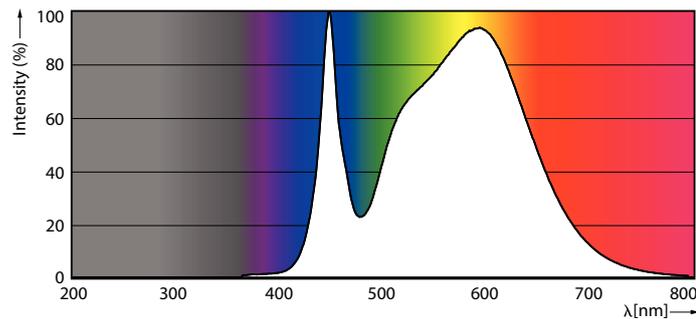
Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 8W 840 4P 2G11	17 mm		155 mm	217 mm	224 mm

## Photometric data



## Light Distribution Diagram

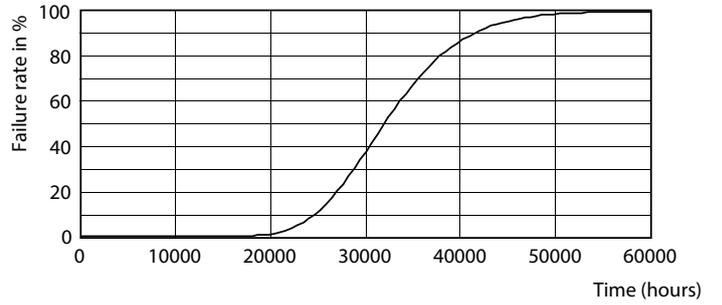
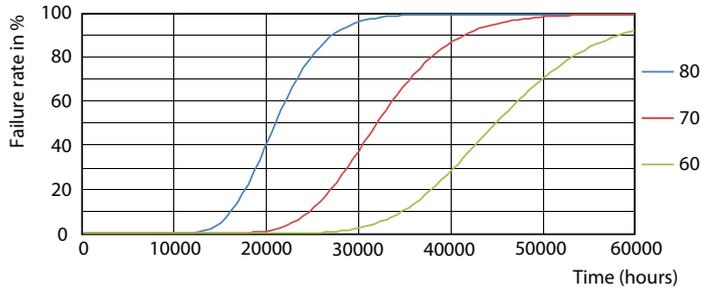
## General uniform lighting - CorePro LED PLL HF 8W 840 4P 2G11



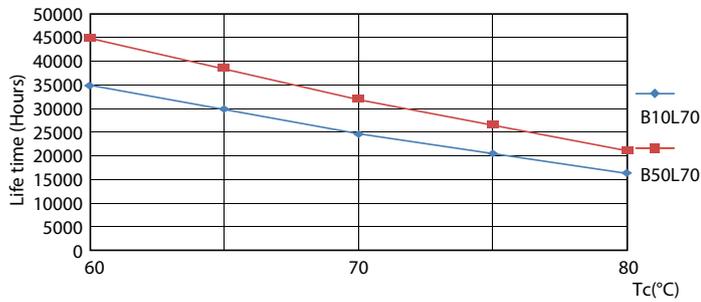
## Spectral Power Distribution Colour

# CorePro LED PLL

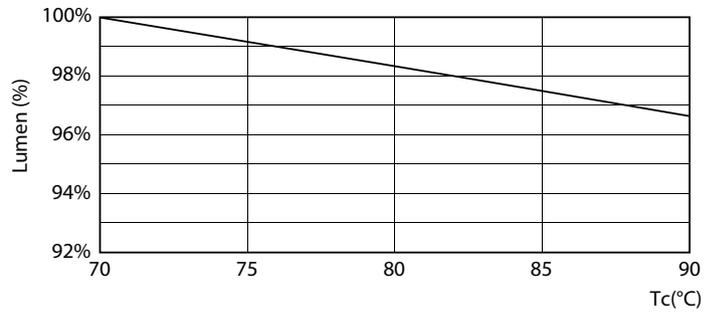
## Lifetime



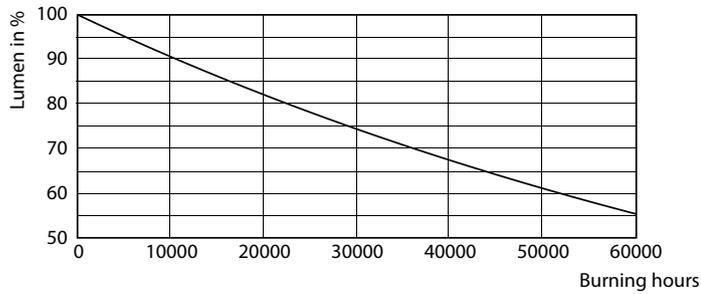
Life Expectancy Diagram



Life Expectancy Diagram - CorePro LED PLL HF 8W 840 4P 2G11



Life Expectancy Diagram



Lumen Maintenance Diagram

Lumen Maintenance Diagram - CorePro LED PLL HF 8W 840 4P 2G11

