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	
Cap base	2G11 [2G11]
Nominal lifetime	30,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	960 lm
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	120 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

CorePro LED PLL

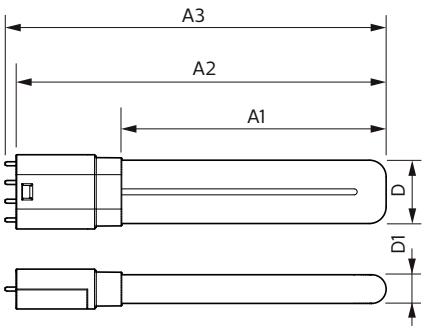
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	8 kWh
EPREL registration number	1370819
EU RoHS compliant	Yes

Order code	48676800
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material number (12NC)	929003578802
Full product name	CorePro LED PLL HF 8W 830 4P 2G11
EAN/UPC - Case	8719514486775

Product Data

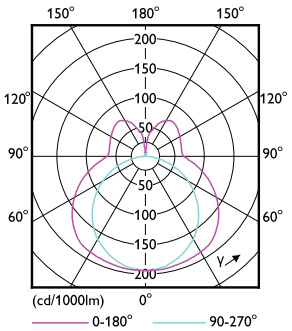
Full EOC	871951448676800
Order product name	CorePro LED PLL HF 8W 830 4P 2G11

Dimensional drawing

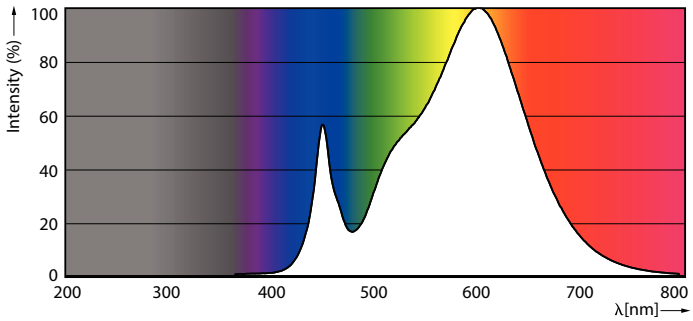


Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 8W 830 4P 2G11	17 mm		155 mm	217 mm	224 mm

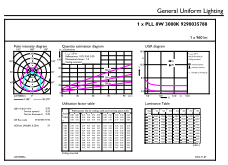
Photometric data



Light Distribution Diagram

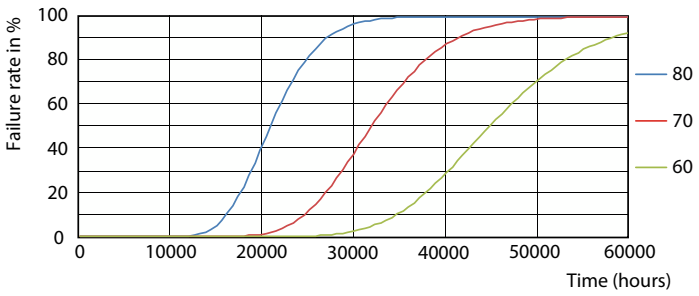


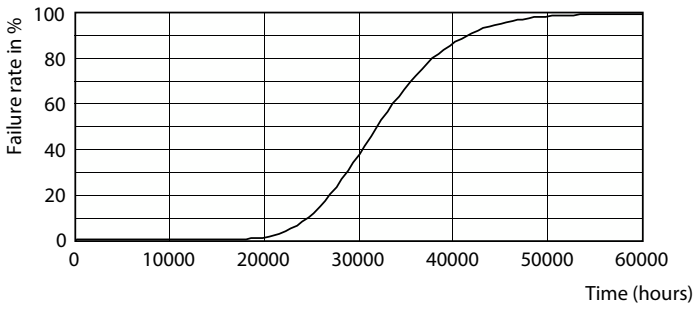
Spectral Power Distribution Colour



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

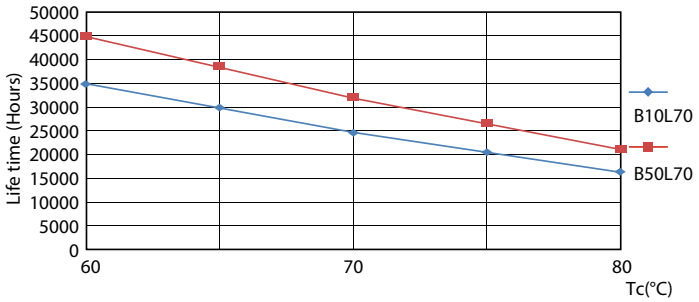
Lifetime

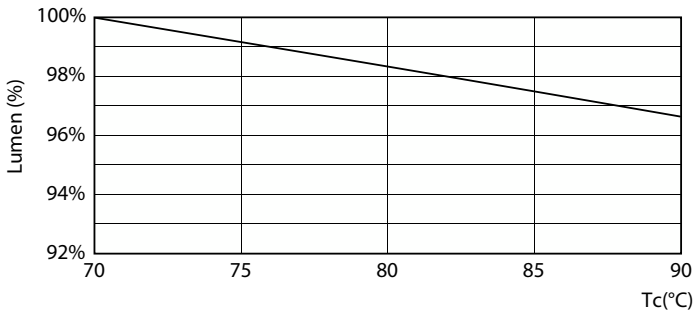




Life Expectancy Diagram

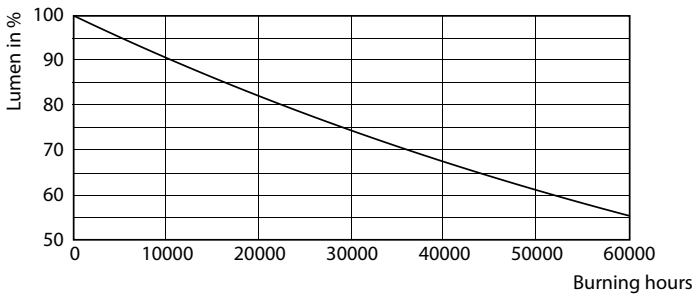
Life Expectancy Diagram - CorePro LED PLL HF 8W 830 4P 2G11





Life Expectancy Diagram

Lumen Maintenance Diagram



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



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www.lighting.philips.com
2023, April 15 - data subject to change