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Lighting

PHILIPS

CorePro LED PLL

CorePro LED PLL EM/Mains 8W 840 4P

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]	
EU RoHS compliant	Yes	
Nominal lifetime	30,000 hour(s)	
Switching Cycle	200,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
Light Technical		
Color Code	840 [CCT of 4000K]	
Beam Angle (Nom)	160 degree(s)	
Luminous Flux	1,000 lumen	
Color Designation	Cool White (CW)	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	125 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom) 70 %		
Operating and Electrical		

50 to 60 Hz

50 to 60 Hz

8 W

Lamp Current (Nom)	42 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 ℃ to 45 ℃
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	200 mm
Bulb Shape	Tube, single-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur
	certificate

Line Frequency

Input Frequency

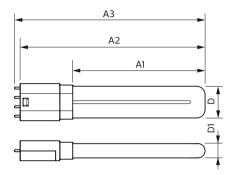
Power Consumption

CorePro LED PLL

Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1,370,824
Product Data	
Full product code	872016915701900
Order product name	CorePro LED PLL EM/Mains 8W 840 4P
Order code	929003592302
Numerator - Quantity Per Pack	1

Numerator - Packs per outer box	10
Material number (12NC)	929003592302
Net weight	0.085 kg
Full product name	CorePro LED PLL EM/Mains 8W 840 4P
EAN/UPC - Case	8720169157026

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 8W 840 4P	17 mm		156 mm	218 mm	224 mm

1 100 60 40 20 0 200 300 400 500 600 700 800 λ[nm] +

Spectral Power Distribution Colour

	150°	180°	150°	
	\bigwedge	200-	$\overline{\ }$	
	$\left(\right)$	150-	$\langle \mathbf{n} \rangle$	
120°	\swarrow		\searrow	120°
	$ \land $	50	\times	
90°			\rightarrow $+$	90°
	A	50	A/	
60°		∕~100-∕		60°
		150	$\times //$	
	\searrow	200	V.T	
	(cd/1000lm) 0°		
	0	-180° —	— 90-270°	

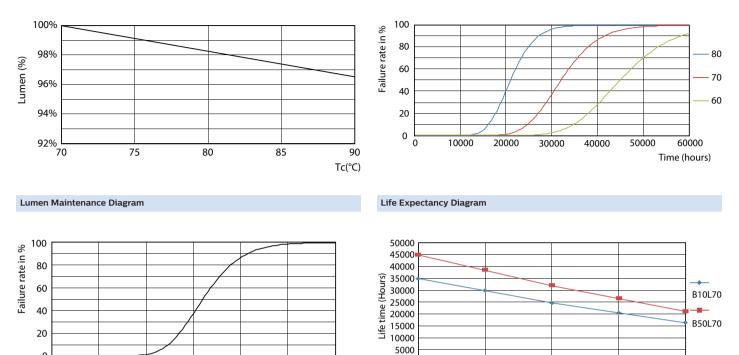
Light Distribution Diagram

Photometric data

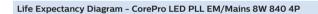


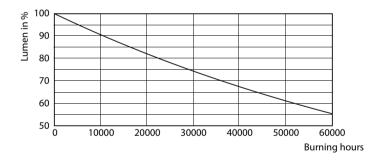
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Lifetime



Time (hours)





Life Expectancy Diagram

Tc(°C)

Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 8W 840 4P

CorePro LED PLL



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