PHILIPS

Lighting

PHILIPS

CorePro LED PLL

CorePro LED PLL EM/Mains 16.5W 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	2,100 lumen		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	127 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

16.5 W

Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	400 mm				
Bulb Shape	Tube, single-ended				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance TUV CE marking KEMA Keur				
	certificate				

83 mA

0.5 s

0.9

70 °C

220-240 V

-20 °C to 45 °C

Lamp Current (Nom)

Starting Time (Nom)

Voltage (Nom)

Temperature

Warm-up time to 60% light Power Factor (Fraction)

Ambient temperature range

T-Case Maximum (Nom)

Line Frequency

Input Frequency

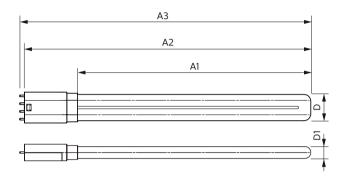
Power Consumption

CorePro LED PLL

Energy Consumption kWh/1000 h	17 kWh					
EPREL Registration Number	1,370,828					
Product Data						
Full product code	872016915709500					
Order product name	CorePro LED PLL EM/Mains 16.5W 840 4P					
Order code	929003592702					
Numerator - Quantity Per Pack	1					

Numerator - Packs per outer box	10
Material number (12NC)	929003592702
Net weight	0.150 kg
Full product name	CorePro LED PLL EM/Mains 16.5W 840 4P
EAN/UPC - Case	8720169157101

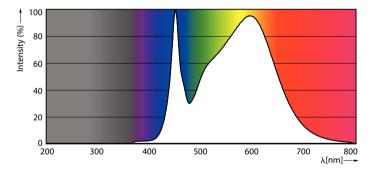
Dimensional drawing



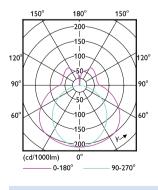
Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 16.5W 840 4P	17 mm		330 mm	405 mm	412 mm

Photometric data





Spectral Power Distribution Colour

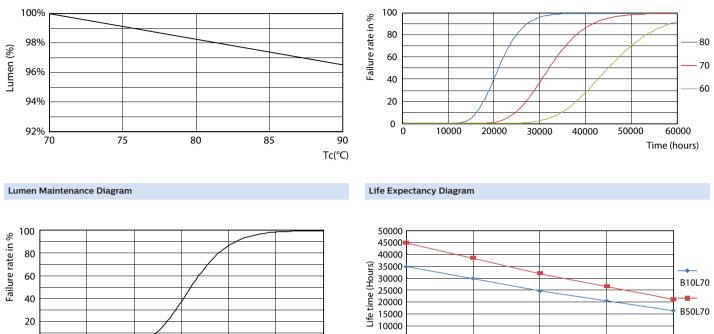


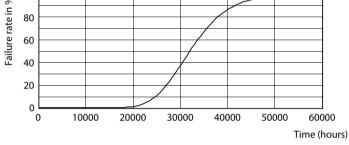
Light Distribution Diagram

Datasheet, 2023, May 5

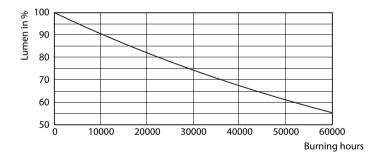
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Lifetime





Life Expectancy Diagram - CorePro LED PLL EM/Mains 16.5W 840 4P



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 16.5W 840 4P

Life Expectancy Diagram

70

5000

0

60

80 Tc(°C)

CorePro LED PLL



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