



# CorePro LED PLL



## CorePro LED PLL Mains 24W 840 4P

CorePro, LED, PL-L, Mains, 528 mm, 24 W, 55W PL-L, 4000 K, 3400 lm, CRI 80, 30000 h

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
Nominal lifetime	30,000 h
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years
Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	3,400 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	141 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	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	24 W
Lamp current (nom.)	127 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
LED alternative to fluorescent lamp power	55W PL-L
Inrush current at mains	9.6
Max. lamp no. on MCB B type 10A — Mains	80
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	80
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	16
Max. lamp no. on MCB B type 16A — Mains	128

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Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	128
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Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25
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Ballast Compatibility	Mains
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## Temperature

T-Case maximum (nom.)	75 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Lamp Finish	Frosted
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Bulb material	Glass
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Product length	528 mm
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Bulb shape	PL-L
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Net Weight (Piece)	0.192 kg
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## Approval and Application

Energy Efficiency Class	D
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Energy-saving product	Yes
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Approval marks	RoHS compliance KEMA Keur certificate
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Energy consumption kWh/1,000 hours	24 kWh
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EPREL Registration Number	1370830
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CE mark	Yes
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EU RoHS compliant	Yes
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Flickering value (PstLM)	1
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Stroboscopic effect	0.4
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Ambient temperature range	-20°C to 45°C
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## Application Conditions

Wireless Technology	Not applicable
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## Product Data

Order product name	CorePro LED PLL Mains 24W 840 4P
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Full product name	CorePro LED PLL Mains 24W 840 4P
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Full EOC	872016915713200
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Order code	929003592902
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Material no. (12 NC)	929003592902
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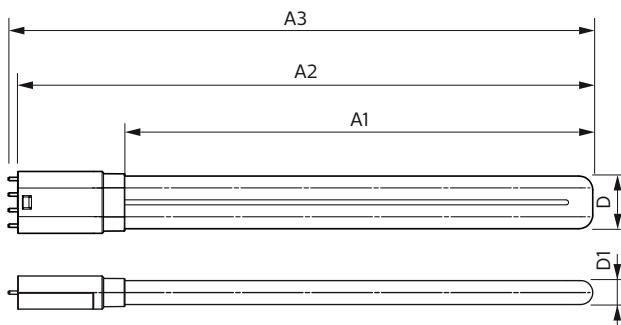
Numerator – quantity per pack	1
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EAN/UPC – Product/Case	8720169157132
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Numerator – packs per outer box	10
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EAN/UPC - Case	8720169157149
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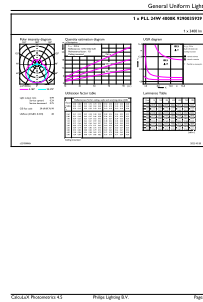
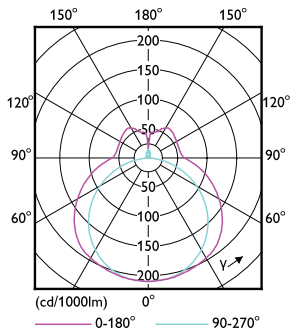
## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL Mains 24W 840 4P	17 mm	38 mm	453 mm	528 mm	535 mm

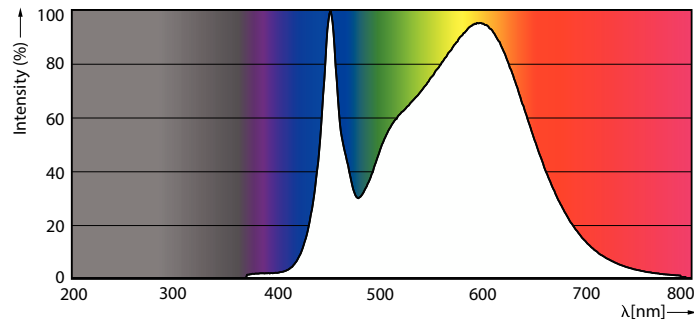
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## Photometric data



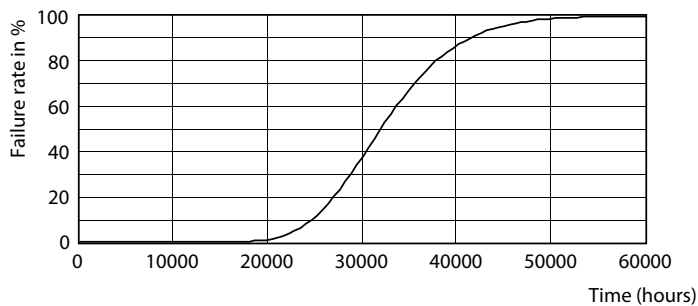
Light Distribution Diagram - CorePro LED PLL Mains 24W 840 4P

General uniform lighting - CorePro LED PLL Mains 24W 840 4P

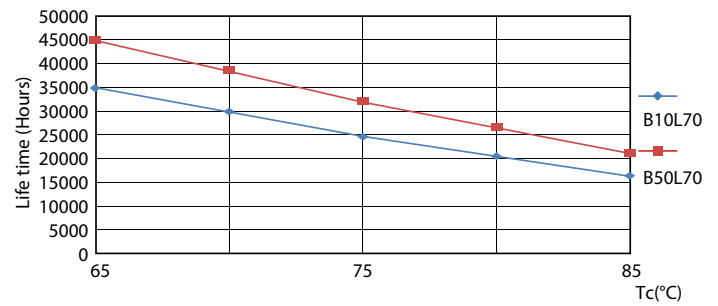


Spectral Power Distribution Colour - CorePro LED PLL Mains 24W 840 4P

## Lifetime



Life Expectancy Diagram



LifetimeVsTc

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## Lifetime



Lumen Maintenance Diagram - CorePro LED PLL Mains 24W 840 4P

FailureRate



Lumen Maintenance Diagram - CorePro LED PLL Mains 24W 840 4P

