PHILIPS Lighting

CorePro LED PLL

CorePro LED PLL Mains 24W 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
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	3,400 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color Consistency	<6
Color 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
Ballast Compatibility	Mains
LED alternative to fluorescent lamp power	55 W
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
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	128
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25

Temperature

T-Case Maximum (Nom)	75 °C

CorePro LED PLL

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	528 mm
Bulb Shape	PL-L
Net Weight (Piece)	0.192 kg

Approval and Application

Energy Efficiency Class	D
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	24 kWh
EPREL Registration Number	1370830
CE mark	Yes
EU RoHS compliant	Yes

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Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	–20 ℃ to 45 ℃

Product Data

Order product name	CorePro LED PLL Mains 24W 840 4P
Full product name	CorePro LED PLL Mains 24W 840 4P
Full product code	872016915713200
Order code	929003592902
Material Nr. (12NC)	929003592902
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169157132
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169157149

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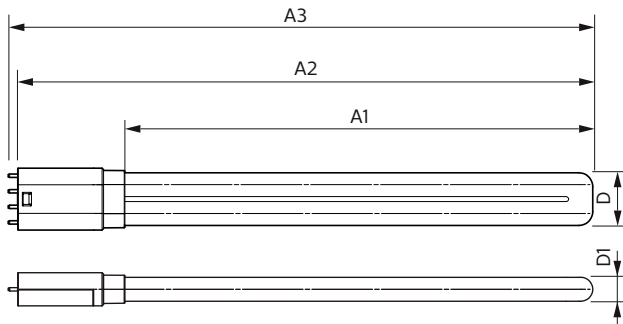
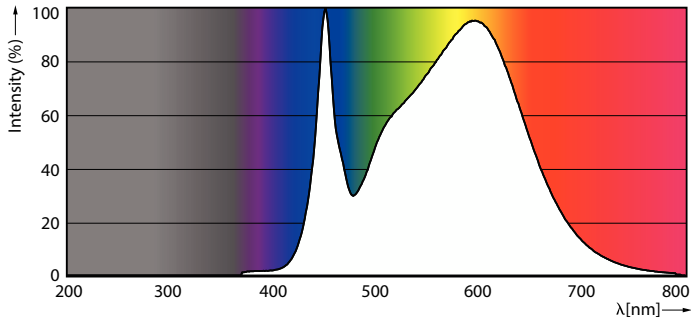| Product	D1	D2	A1	A2	A3
CorePro LED PLL Mains 24W 840 4P	17 mm	38 mm	453 mm	528 mm	535 mm

Photometric data
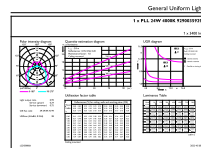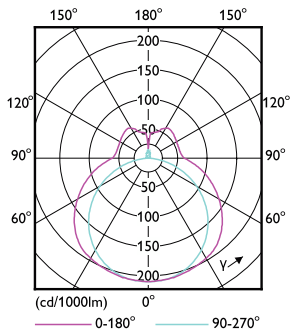
Light Distribution Diagram – CorePro LED PLL Mains 24W 840 4P

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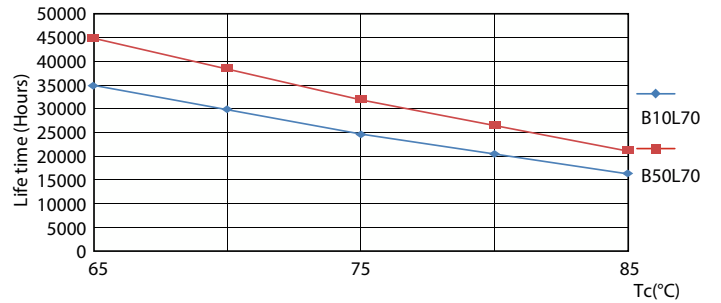
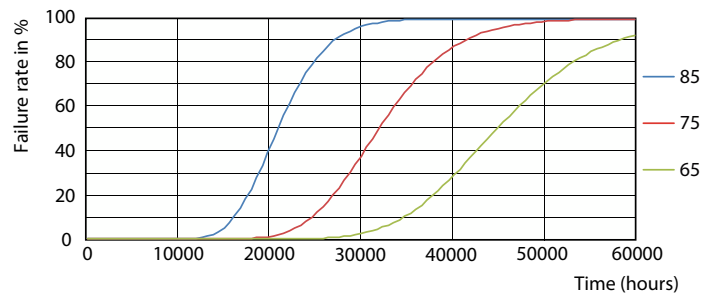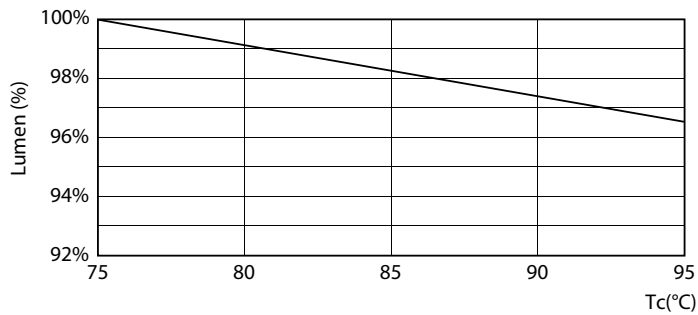# CorePro LED PLL

Photometric data

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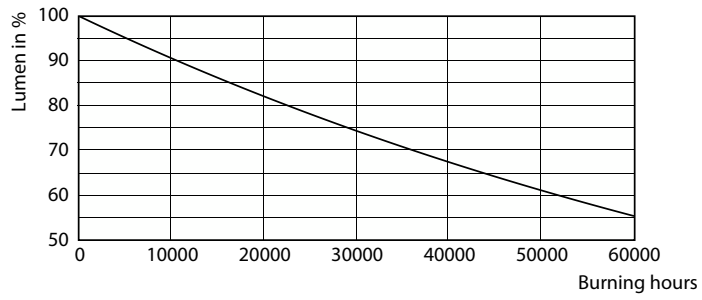
Lifetime

Life Expectancy Diagram

LifetimeVsTc

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

FailureRate

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Lifetime

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

www.lighting.philips.com

2025, March 17 – data subject to change