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
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 lm
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 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	16.5 W

Lamp Current (Nom)	83 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	EM
LED alternative to fluorescent lamp power	36 W
Inrush current at mains	9.4
Max. lamp no. on MCB B type 10A - Mains	82
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	104
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	19
Max. lamp no. on MCB B type 16A - Mains	131
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	166
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	30

Temperature

T-Case Maximum (Nom)	70 °C

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Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	405 mm
Bulb Shape	PL-L
Net Weight (Piece)	0.150 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	1370828
CE mark	Yes
EU RoHS compliant	Yes

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

Product Data

Order product name	CorePro LED PLL EM/Mains 16.5W 840 4P
Full product name	CorePro LED PLL EM/Mains 16.5W 840 4P
Full product code	872016915709500
Order code	929003592702
Material Nr. (12NC)	929003592702
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169157095
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169157101

Dimensional drawing
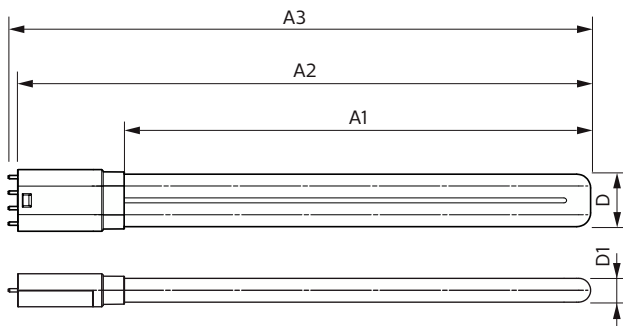
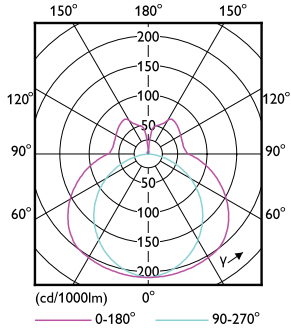| Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 16.5W 840 4P	17 mm	38 mm	330 mm	405 mm	412 mm

Photometric data
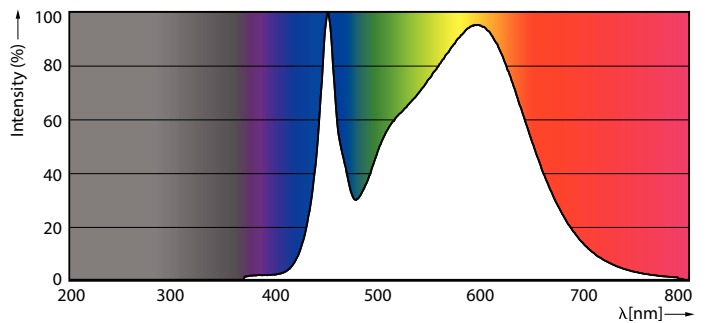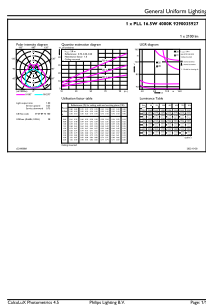
General uniform lighting – CorePro LED PLL EM/Mains 16.5W 840 4P

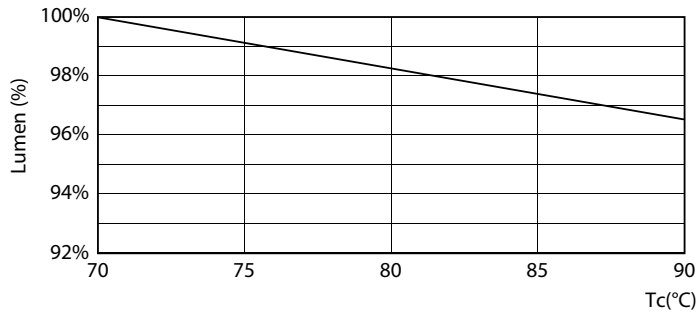Spectral Power Distribution Colour – CorePro LED PLL EM/Mains 16.5W 840 4P

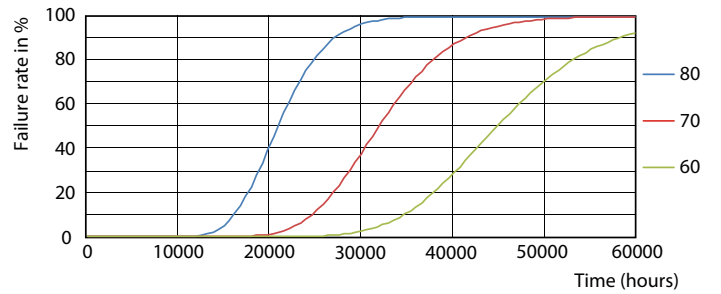# CorePro LED PLL

Photometric data

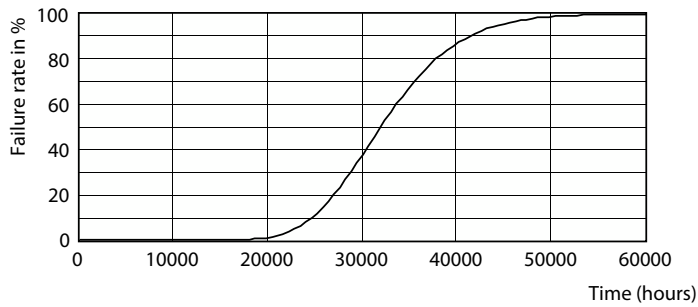**Light Distribution Diagram – CorePro LED PLL EM/Mains 16.5W 840 4P**
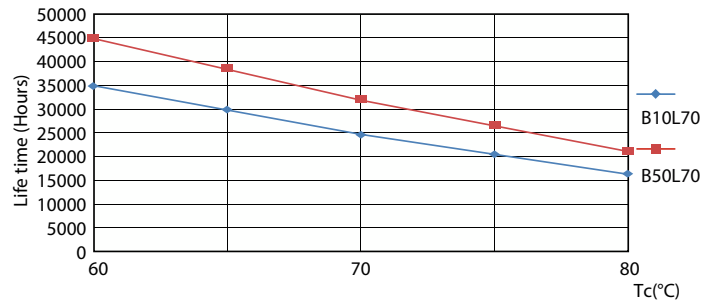
Lifetime

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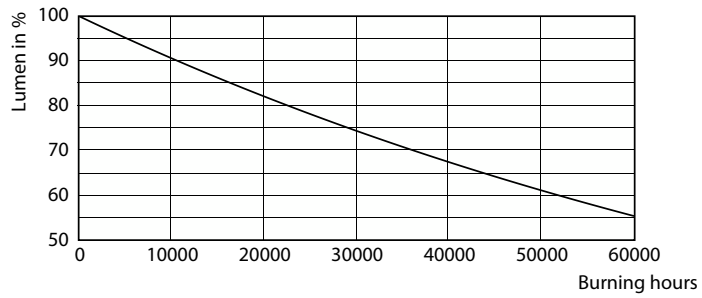

FailureRate

Life Expectancy Diagram

LifetimeVsTc

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Lifetime

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

www.lighting.philips.com

2025, March 17 – data subject to change