PHILIPS

Lighting



CorePro LED PLL



CorePro LED PLL EM/Mains 12W 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]
Nominal lifetime	30,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
EU RoHS compliant	Yes

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,500 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 %
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	12 W
Lamp Current (Nom)	60 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	24 W

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	300 mm

CorePro LED PLL

Bulb Shape	PL-L

Approval and Application

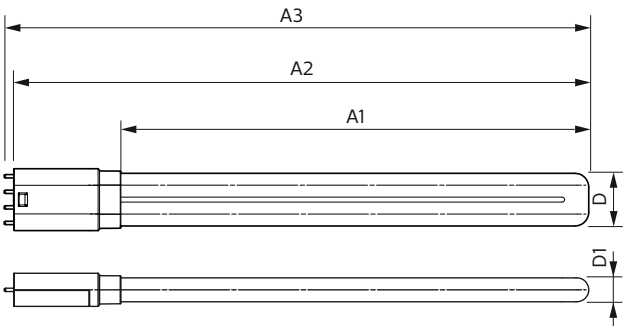
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	12 kWh
EPREL Registration Number	1370826

Product Data

Full product code	872016915705700

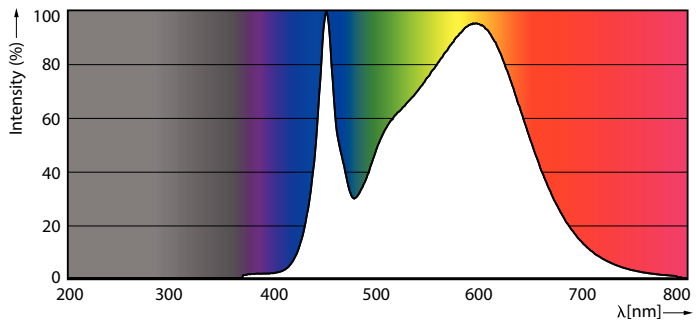
Order product name	CorePro LED PLL EM/Mains 12W 840 4P
Order code	929003592502
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003592502
Full product name	CorePro LED PLL EM/Mains 12W 840 4P
EAN/UPC - Case	8720169157064
EAN/UPC - Product/Case	8720169157057

Dimensional drawing

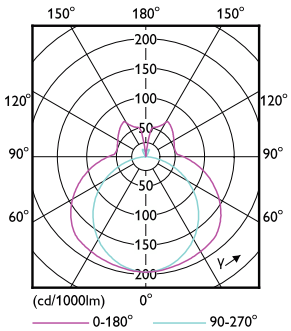


Product	D1	D2	A1	A2	A3
CorePro LED PLL EM/Mains 12W 840 4P	17 mm		250 mm	312 mm	319 mm

Photometric data

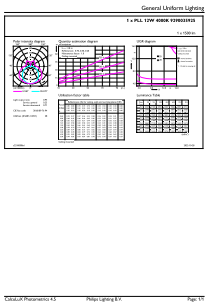


Spectral Power Distribution Colour



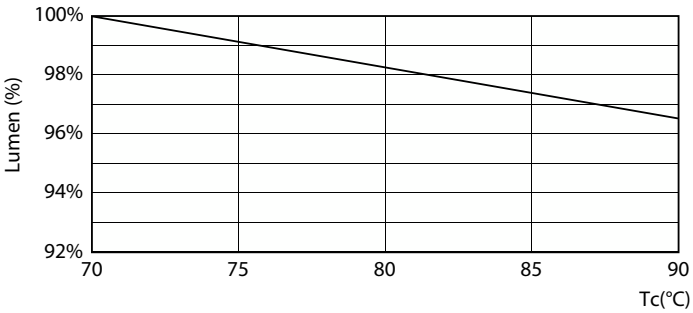
Light Distribution Diagram

Photometric data

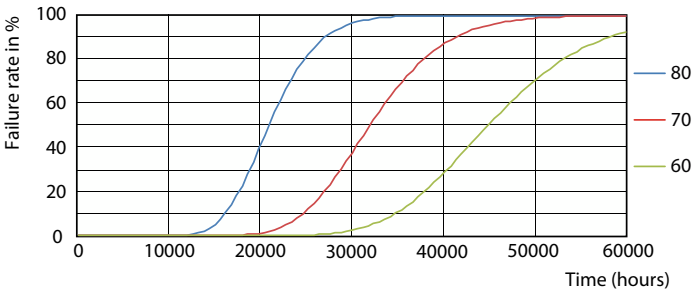


General uniform lighting - CorePro LED PLL EM/Mains 12W 840 4P

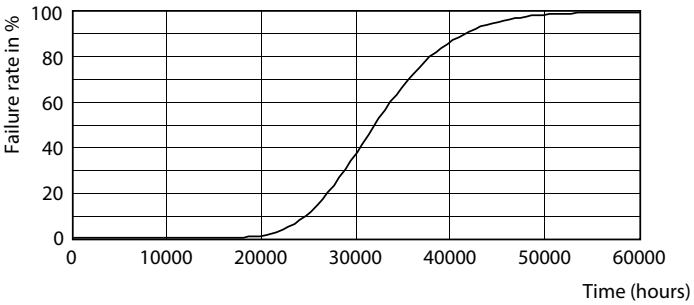
Lifetime



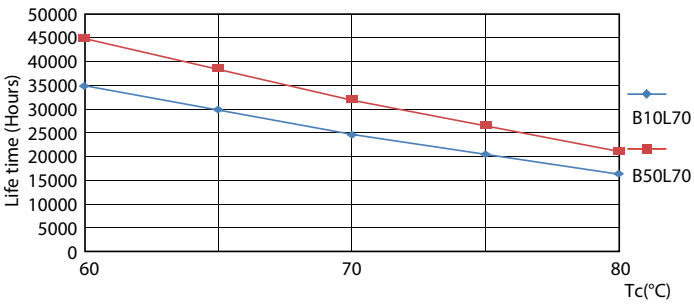
Lumen Maintenance Diagram



Life Expectancy Diagram - CorePro LED PLL EM/Mains 12W 840 4P



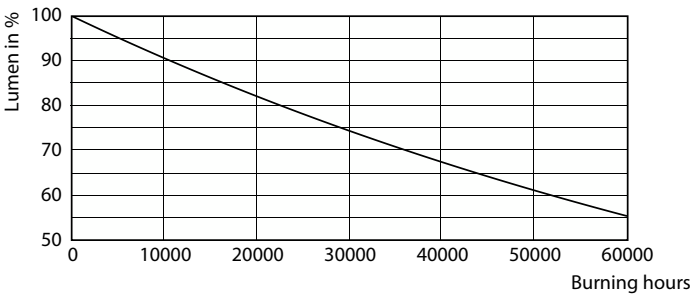
Life Expectancy Diagram - CorePro LED PLL EM/Mains 12W 840 4P



Life Expectancy Diagram - CorePro LED PLL EM/Mains 12W 840 4P

CorePro LED PLL

Lifetime



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 12W 840 4P

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.