PHILIPS

Lighting



CorePro LED PLL

CorePro LED PLL EM/Mains 8W 840 4P

CorePro, LED, PL-L, EM, 218 mm, 8 W, 18W PL-L, 4000 K, 1000 lm, CRI 80, 30000 hour(s)

CorePro, LED, PL-L, EM, 218 mm, 8 W, LED alternative to 18W PL-L, 4000 K, 1000 lm, CRI 80, 30000 hour(s), 125 lm/W, EEL E, 2G11, Beam angle 160 degree(s), Glass, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	2G11
Nominal lifetime	30,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	1,000 lm
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 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	8 W
Lamp Current (Nom)	42 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	18W PL-L
Inrush current at mains	8
Max. lamp no. on MCB B type 10A - Mains	90
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	180
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	30
Max. lamp no. on MCB B type 16A - Mains	150
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	290

CorePro LED PLL

Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	49
Ballast Compatibility	EM

Temperature

T-Case Maximum (Nom)	70 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	218 mm
Bulb Shape	PL-L
Net Weight (Piece)	0.085 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1370824

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

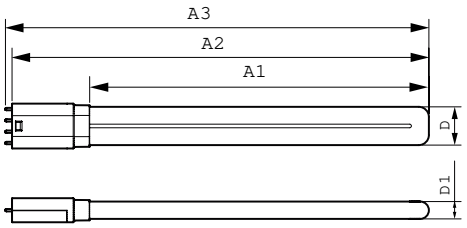
Application Conditions

Wireless Technology	Not applicable

Product Data

Order product name	CorePro LED PLL EM/Mains 8W 840 4P
Full product name	CorePro LED PLL EM/Mains 8W 840 4P
Full product code	872016915701900
Order code	15701900
Material Nr. (12NC)	929003592302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169157019
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169157026

Dimensional drawing

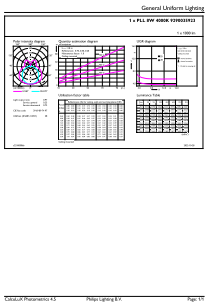


D	D1	A1	A2	A3
25.7 mm	38mm	156mm	218mm	224mm

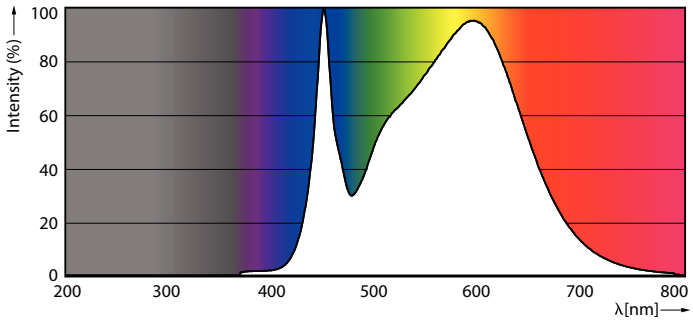
Product	D1	D	A1	A2	A3
CorePro LED PLL EM/Mains 8W 840 4P	17 mm	38 mm	156 mm	218 mm	224 mm

CorePro LED PLL

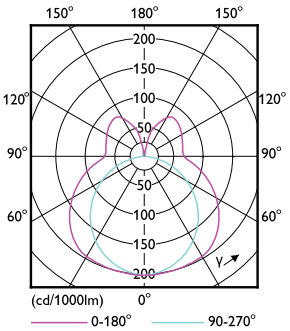
Photometric data



General uniform lighting - CorePro LED PLL EM/Mains 8W 840 4P

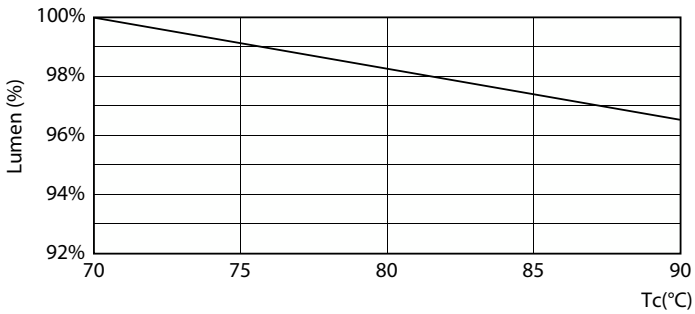


Spectral Power Distribution Colour - CorePro LED PLL EM/Mains 8W 840 4P

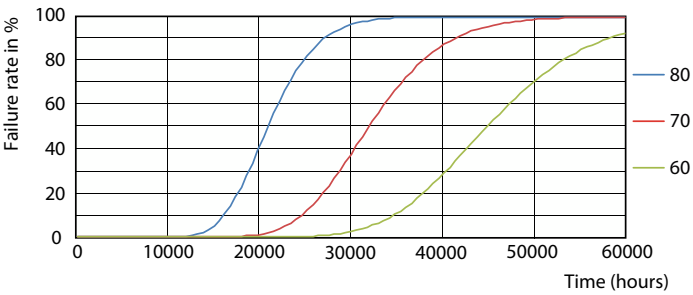


Light Distribution Diagram - CorePro LED PLL EM/Mains 8W 840 4P

Lifetime



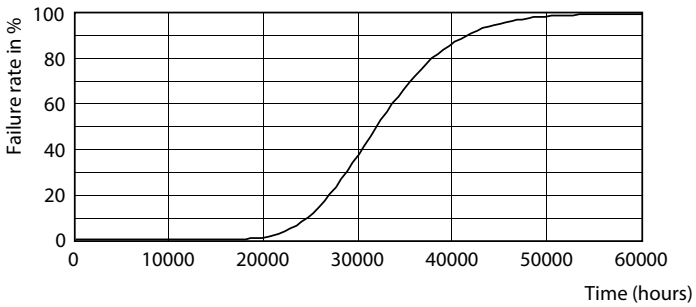
Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 8W 840 4P



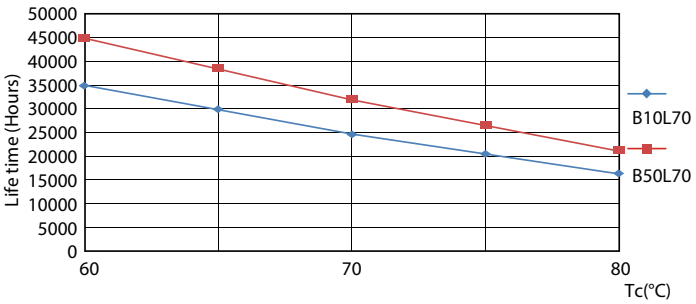
FailureRate

CorePro LED PLL

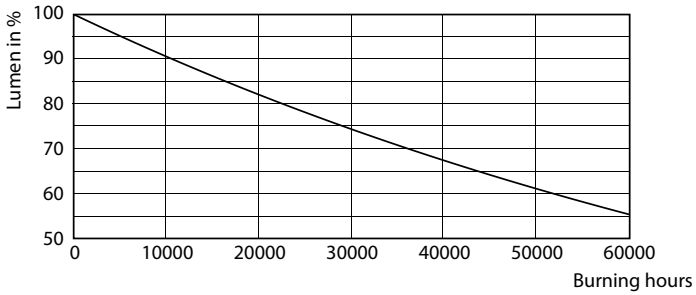
Lifetime



Life Expectancy Diagram



LifetimeVsTc



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 8W 840 4P

© 2026 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.