

CorePro LED PLL EM/ Mains 8W 830 4P

929003592202



CorePro, LED, PL-L, EM, 218 mm, 8 W, 18W PL-L, 3000 K, 960 lm, CRI 80, 30000 hour(s)



CorePro, LED, PL-L, EM, 218 mm, 8 W, LED alternative to 18W PL-L, 3000 K, 960 lm, CRI 80, 30000 hour(s), 120 lm/W, EEL E, 2G11, Beam angle 160 degree(s), Glass, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

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	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	960 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	120 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
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	49
Ballast Compatibility	EM

Temperature

T-Case Maximum (Nom)	70 °C
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Controls and Dimming

Dimmable	No
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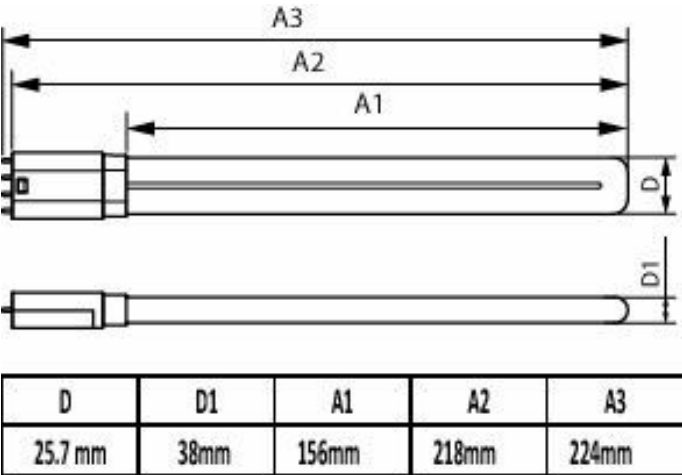
Mechanical and Housing

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

Dimensional drawing



Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	1370823
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

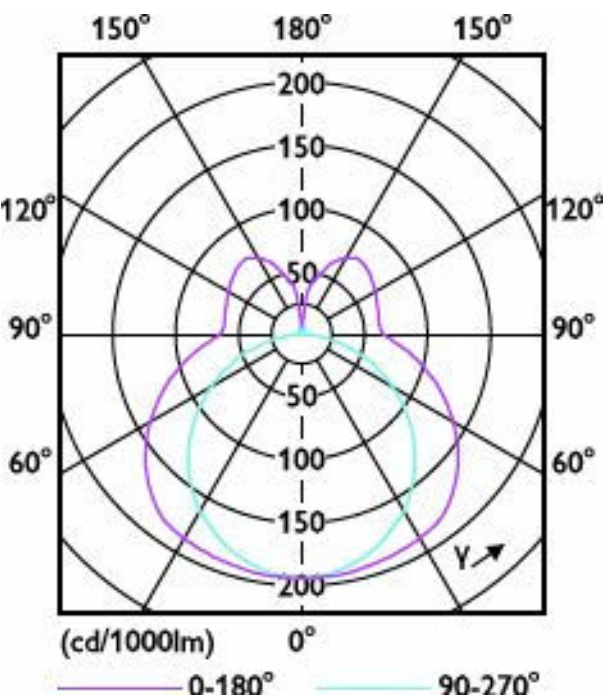
Wireless Technology	Not applicable
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Product Data

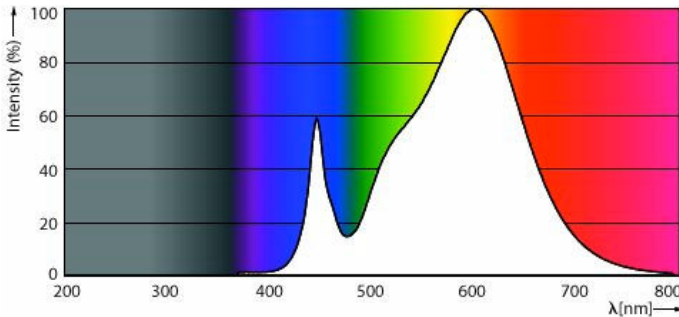
Order product name	CorePro LED PLL EM/Mains 8W 830 4P
Full product name	CorePro LED PLL EM/Mains 8W 830 4P
Full product code	872016915699900
Order code	929003592202
Material Nr. (12NC)	929003592202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169156999
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169157002

Product	D1	D	A1	A2	A3
CorePro LED PLL EM/ Mains 8W 830 4P	17 mm	38 mm	156 mm	218 mm	224 mm

Photometric data

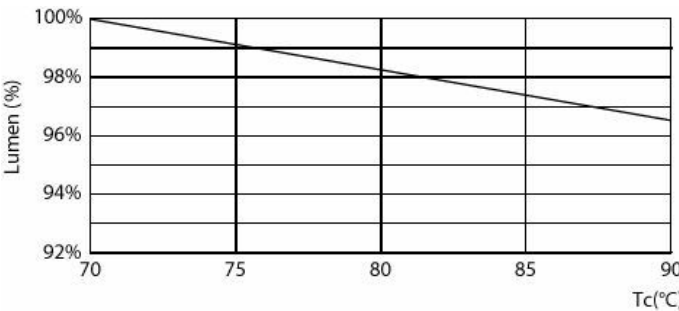


Light Distribution Diagram - CorePro LED PLL EM/Mains 8W 830 4P

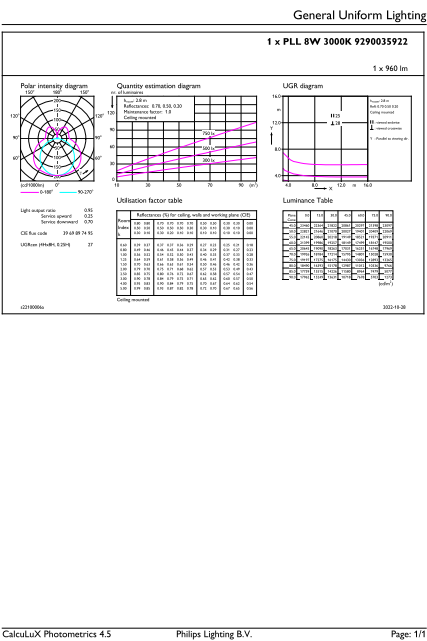


Spectral Power Distribution Colour - CorePro LED PLL EM/Mains 8W 830 4P

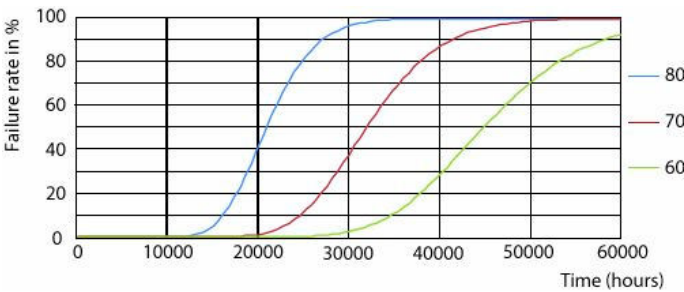
Lifetime



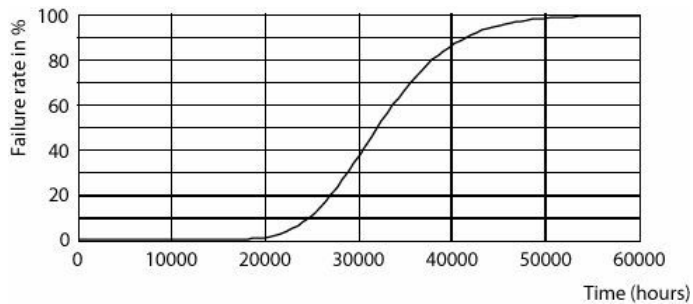
Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 8W 830 4P



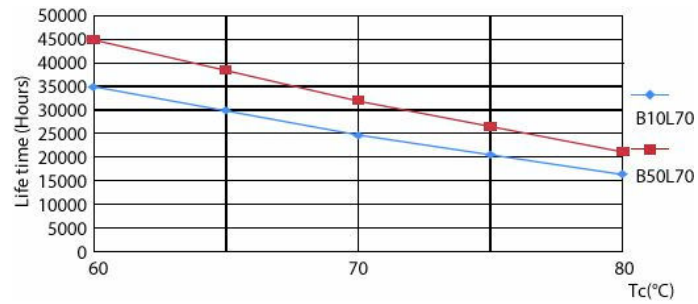
General uniform lighting - CorePro LED PLL EM/Mains 8W 830 4P



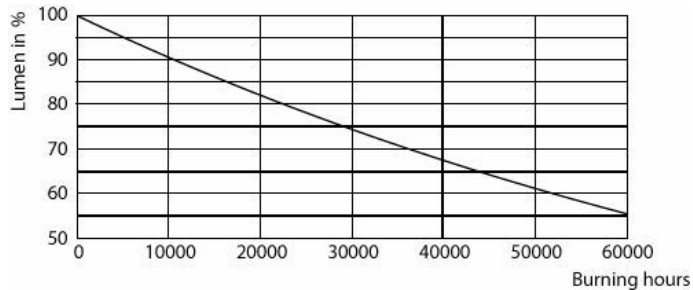
FailureRate



Life Expectancy Diagram



LifetimeVsTc



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 8W 830 4P

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	PLL-EM-Mains-66011861-TLED-NDLR-INI.pdf	Download
Environmental Product Declaration	Philips-CorePro-LED-PLL-EM-Mains-16-5W-840-4P-COMF-6714366-Ref-929003592702-EPD.pdf	Download
Photometry and lighting design	Document Name	Download
IES File	LEDtube_COR_PLL_EU1_8W_2G11_960lm_830-IES.IES	Download