

CorePro LED PLL EM/ Mains 16.5W 830 4P

929003592602



CorePro, LED, PL-L, EM, 405 mm, 16.5 W, 36W PL-L, 3000 K, 2000 lm, CRI 80, 30000 hour(s)



CorePro, LED, PL-L, EM, 405 mm, 16.5 W, LED alternative to 36W PL-L, 3000 K, 2000 lm, CRI 80, 30000 hour(s), 121 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	2,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	121 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
LED alternative to fluorescent lamp power	36W PL-L
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
Ballast Compatibility	EM

Temperature

T-Case Maximum (Nom)	70 °C
----------------------	-------

Controls and Dimming

Dimmable	No
----------	----

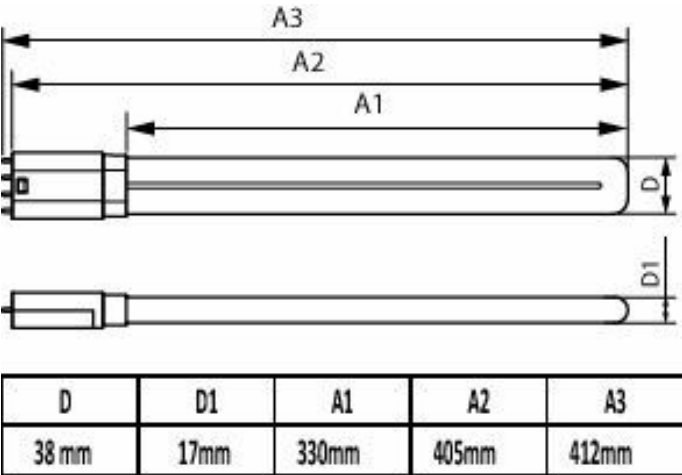
Mechanical and Housing

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

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes

Dimensional drawing



Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	1370827
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

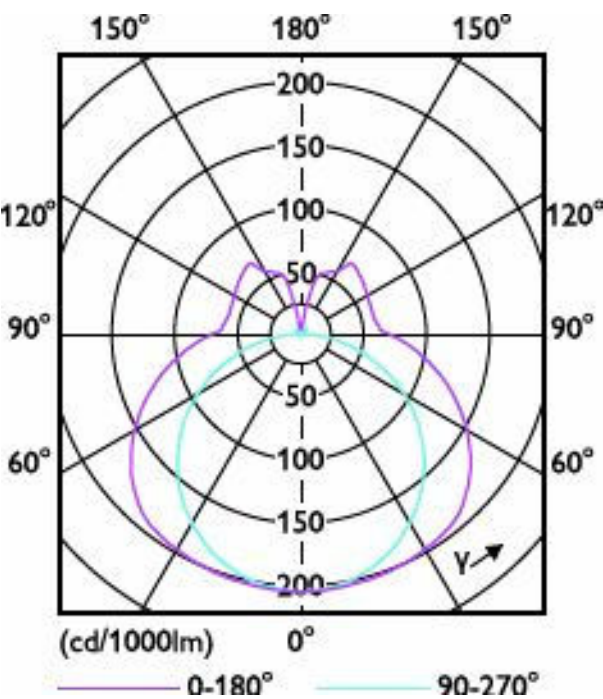
Wireless Technology	Not applicable
---------------------	----------------

Product Data

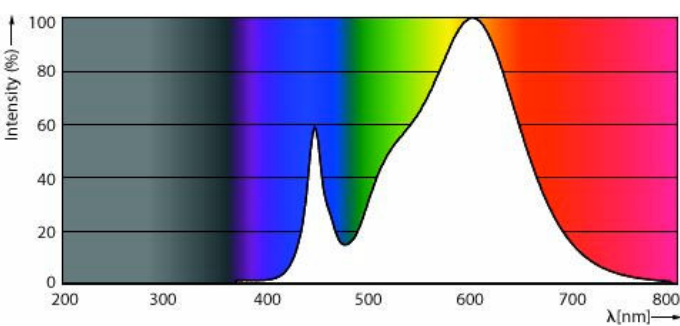
Order product name	CorePro LED PLL EM/Mains 16.5W 830 4P
Full product name	CorePro LED PLL EM/Mains 16.5W 830 4P
Full product code	872016915707100
Order code	929003592602
Material Nr. (12NC)	929003592602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169157071
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169157088

Product	D1	D	A1	A2	A3
CorePro LED PLL EM/ Mains 16.5W 830 4P	17 mm	38 mm	330 mm	405 mm	412 mm

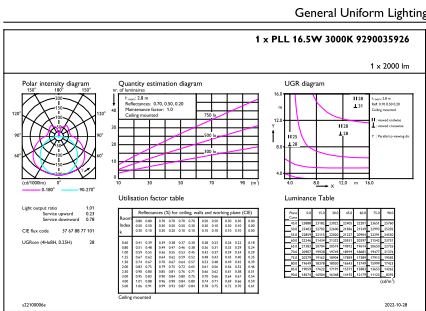
Photometric data



Light Distribution Diagram - CorePro LED PLL EM/Mains 16.5W 830 4P

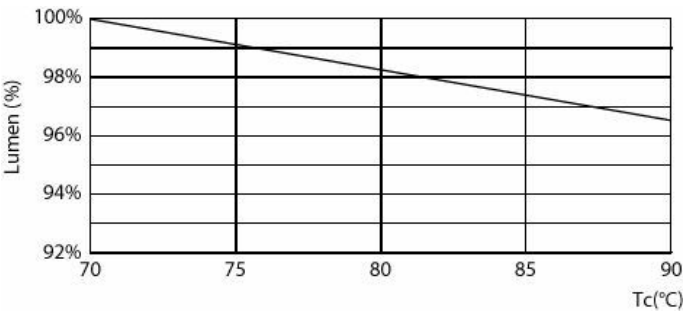


Spectral Power Distribution Colour - CorePro LED PLL EM/Mains 16.5W 830 4P

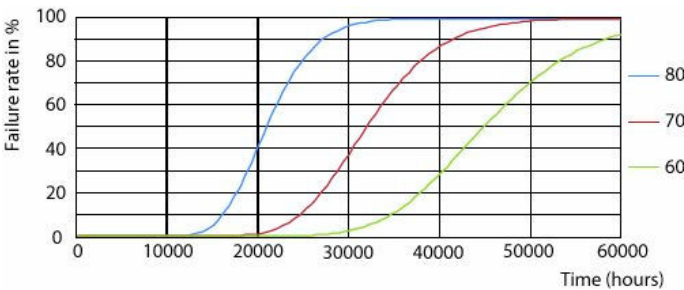


General uniform lighting - CorePro LED PLL EM/Mains 16.5W 830 4P

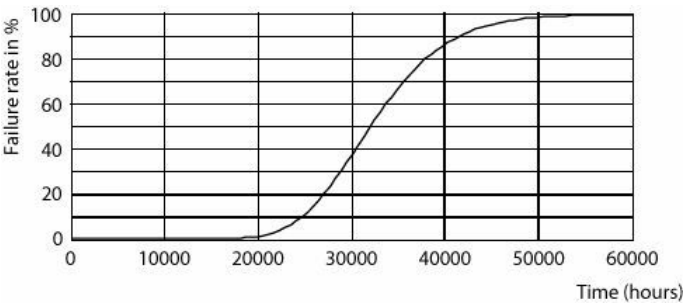
Lifetime



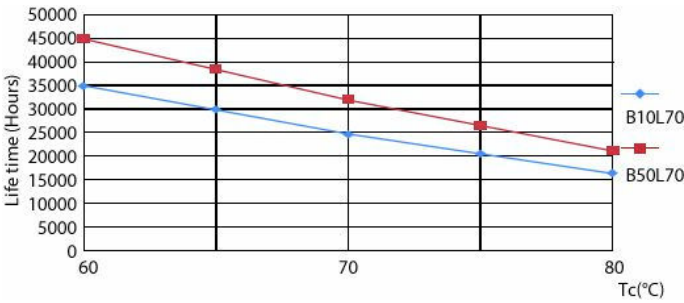
Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 16.5W 830 4P



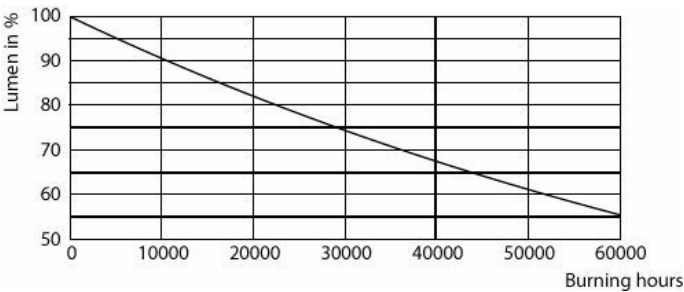
FailureRate



Life Expectancy Diagram



LifetimeVsTc



Lumen Maintenance Diagram - CorePro LED PLL EM/Mains 16.5W 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_16,5W_2G11_2000lm_830-IES.IES	Download

