

CorePro LED PLL Mains 24W 830 4P

929003592802



CorePro, LED, PL-L, Mains, 528 mm, 24 W, 55W PL-L, 3000 K, 3200 lm, CRI 80, 30000 hour(s)



CorePro, LED, PL-L, Mains, 528 mm, 24 W, LED alternative to 55W PL-L, 3000 K, 3200 lm, CRI 80, 30000 hour(s), 133 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	3,200 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	133 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	24 W
Lamp Current (Nom)	127 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	55W PL-L
Inrush current at mains	9.6
Max. lamp no. on MCB B type 10A - Mains	80
Max. lamp no. on MCB B type 10A - EM ballast without Compensation Capacitor.	80

Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	16
Max. lamp no. on MCB B type 16A - Mains	128
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	128
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	25
Ballast Compatibility	Mains

Temperature

T-Case Maximum (Nom)	75 °C
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Controls and Dimming

Dimmable	No
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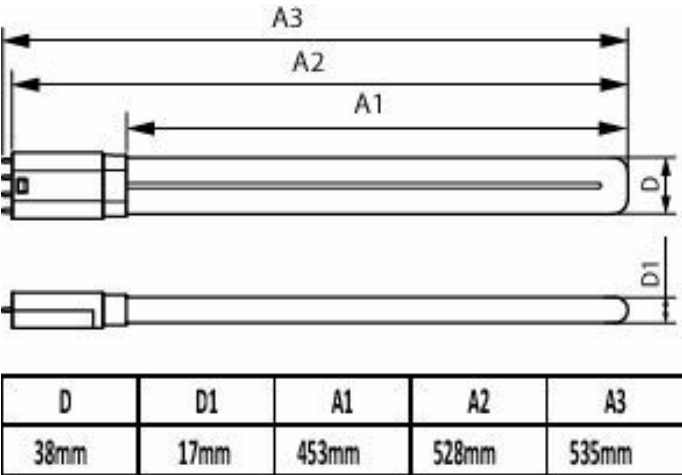
Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	528 mm
Bulb Shape	PL-L
Net Weight (Piece)	0.192 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes

Dimensional drawing



Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	24 kWh
EPREL Registration Number	1370829
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

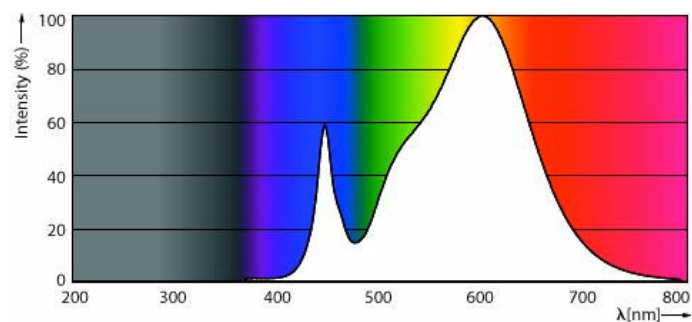
Wireless Technology	Not applicable
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Product Data

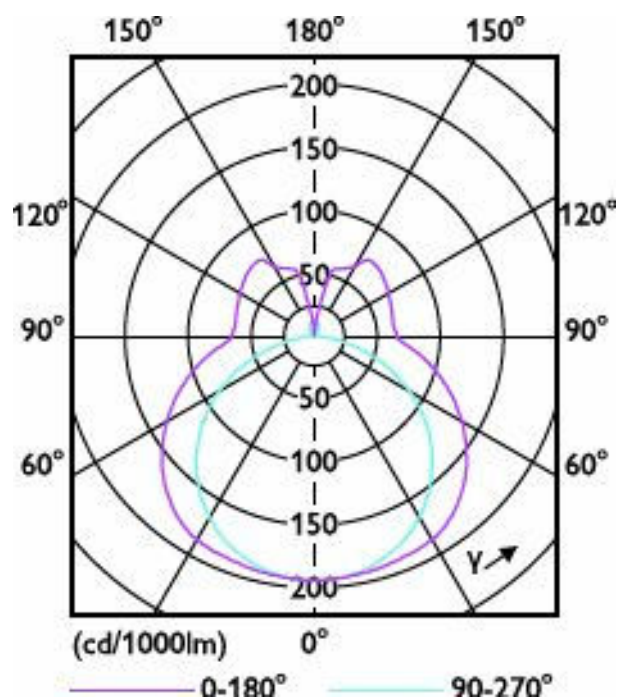
Order product name	CorePro LED PLL Mains 24W 830 4P
Full product name	CorePro LED PLL Mains 24W 830 4P
Full product code	872016915711800
Order code	929003592802
Material Nr. (12NC)	929003592802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169157118
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169157125

Product	D1	D	A1	A2	A3
CorePro LED PLL Mains 24W 830 4P	17 mm	38 mm	453 mm	528 mm	535 mm

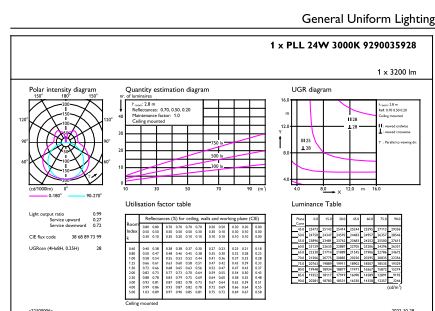
Photometric data



Spectral Power Distribution Colour - CorePro LED PLL Mains
24W 830 4P

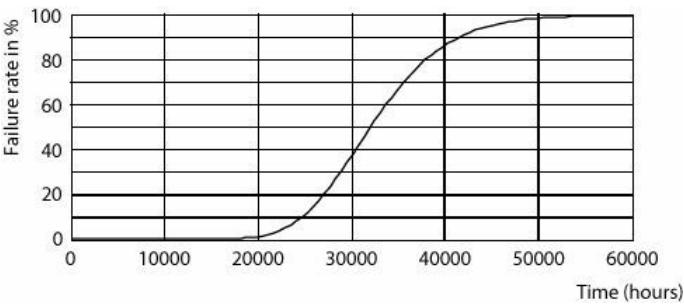


Light Distribution Diagram - CorePro LED PLL Mains 24W 830 4P

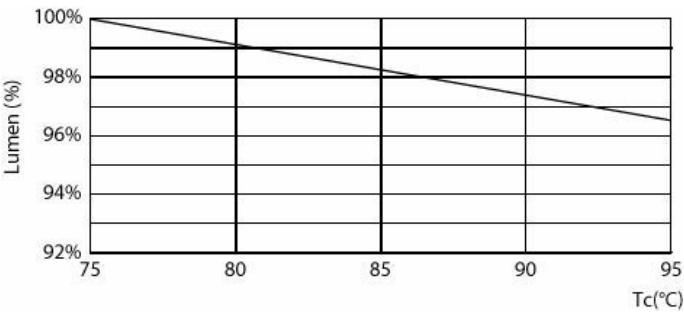


General uniform lighting - CorePro LED PLL Mains 24W 830 4P

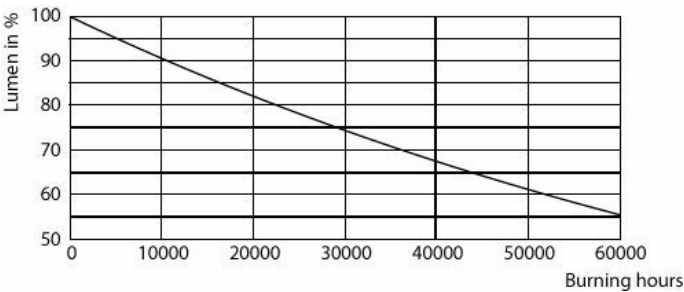
Lifetime



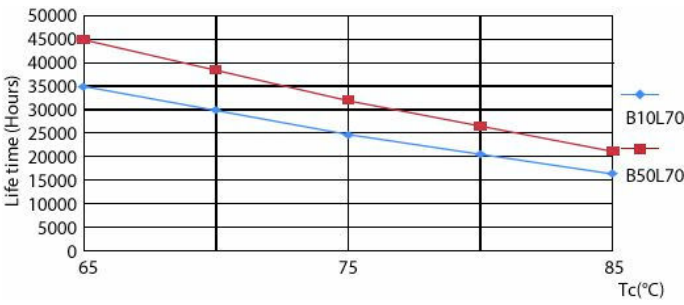
Life Expectancy Diagram



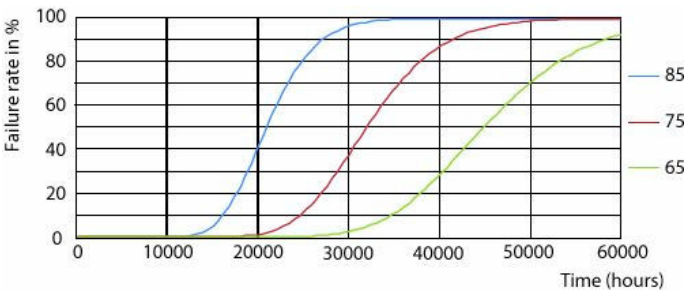
Lumen Maintenance Diagram - CorePro LED PLL Mains 24W 830 4P



Lumen Maintenance Diagram - CorePro LED PLL Mains 24W 830 4P



LifetimeVsTc



FailureRate

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_24W_2G11_3200lm_830-IES.IES	Download

