PHILIPS

CorePro LED PLC 5.9W 830 2P G24d-1

929003757002



CorePro, LED, PL-C, EM/Mains, 115 mm, 5.9 W, 13W PL-C, 3000 K, 600 lm, CRI 82, 30000 hour(s)



CorePro, LED, PL-C, EM/Mains, 115 mm, 5.9 W, LED alternative to 13W PL-C, 3000 K, 600 lm, CRI 82, 30000 hour(s), 101 lm/W, EEL F, G24d-1 Rotatable end-cap, Beam angle 120 degree(s), Plastic, RG1, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

General Information

Cap-Base	G24d-1 Rotatable end-cap
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical

Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	600 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	101 lm/W
Color Consistency	<6
Color rendering index (CRI)	82

LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	5.9 W
Lamp Current (Nom)	31 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	13W PL-C
Inrush current at mains	2.78
Max. lamp no. on MCB B type 10A - Mains	276
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	306
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	442
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	490
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	75 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	115 mm
Bulb Shape	PL-C
Net Weight (Piece)	0.070 kg

Approval and Application

Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	6 kWh
EPREL Registration Number	1820629
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 to +35 °C

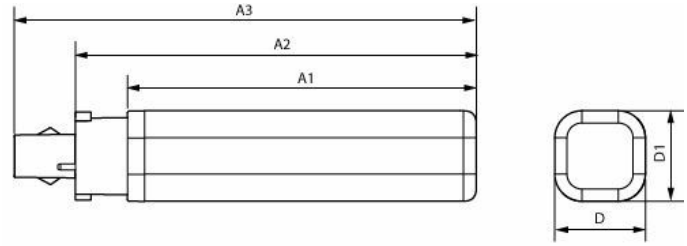
Application Conditions

Wireless Technology	Not applicable

Product Data

Order product name	CorePro LED PLC 5.9W 830 2P G24d-1
Full product name	CorePro LED PLC 5.9W 830 2P G24d-1
Full product code	872016928750100
Order code	929003757002
Material Nr. (12NC)	929003757002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169287501
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169287518

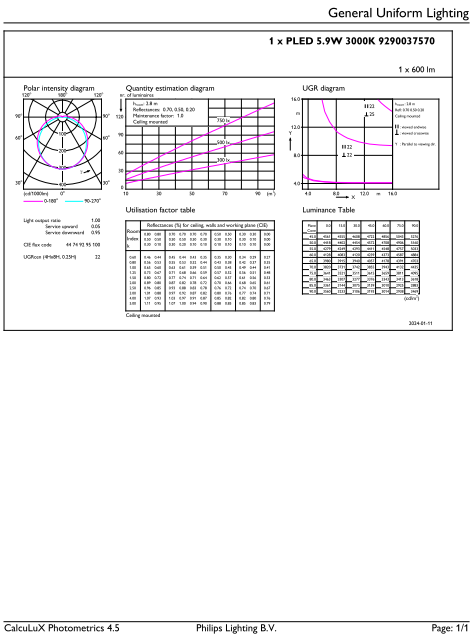
Dimensional drawing



D	D1	A1	A2	A3
34 mm	34mm	95mm	115mm	138mm

Product	D1	D	A1	A2	A3
CorePro LED PLC 5.9W 830 2P G24d-1	34 mm	34 mm	95 mm	115 mm	138 mm

Photometric data


General Uniform Lighting

1 x PLED 5.9W 3000K 9290037570

1 x 600 lm

Polar intensity diagram

Quantity estimation diagram

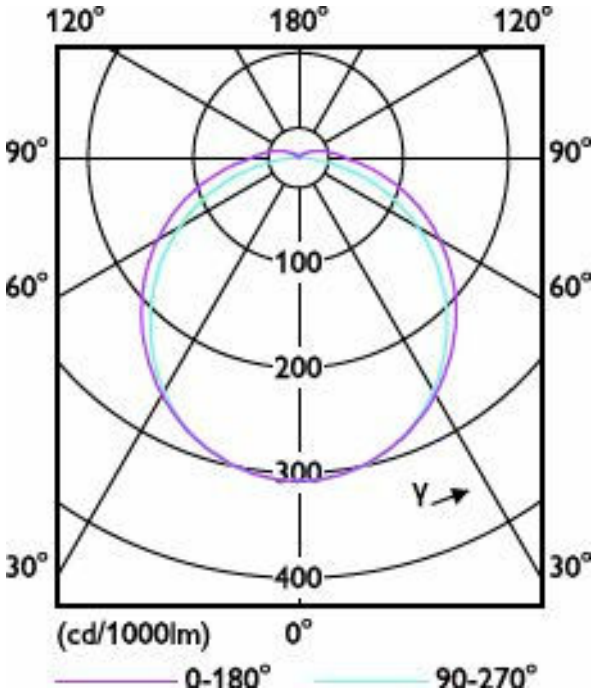
UGR diagram

Utilisation factor table

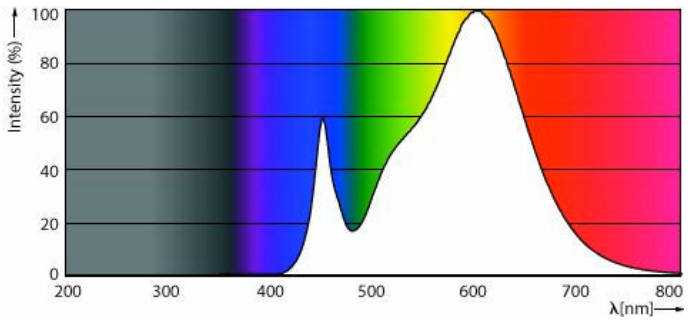
Luminance Table

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General uniform lighting - CorePro LED PLC 5.9W 830 2P G24d-1

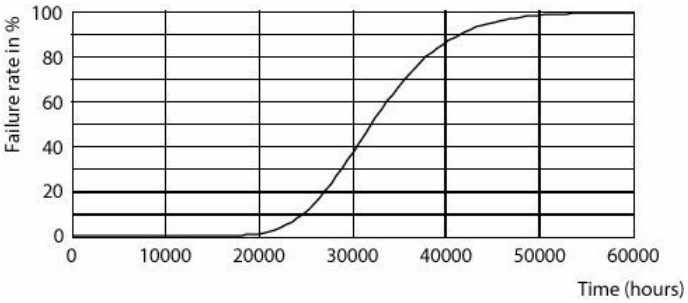


Light Distribution Diagram - CorePro LED PLC 5.9W 830 2P G24d-1

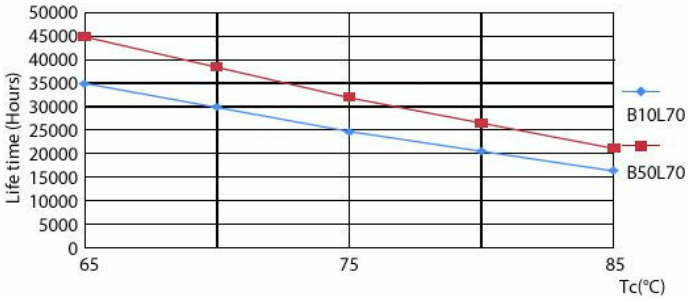


Spectral Power Distribution Colour - CorePro LED PLC 5.9W 830 2P G24d-1

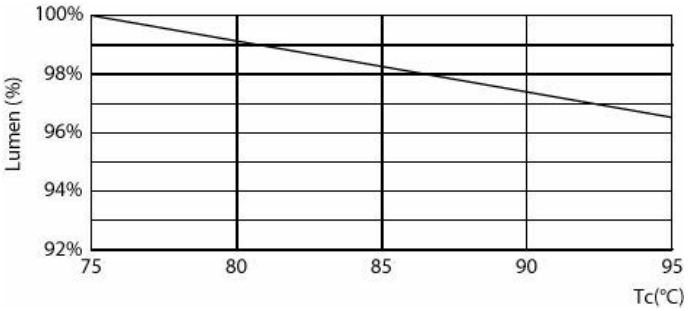
Lifetime



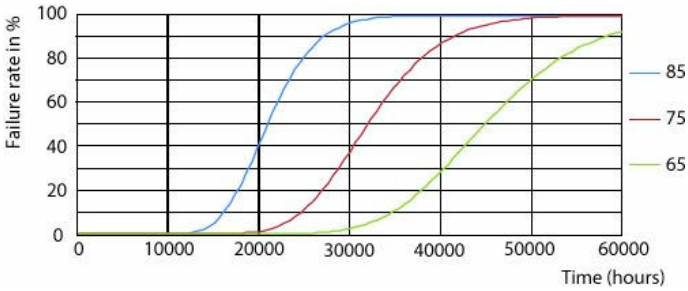
Life Expectancy Diagram



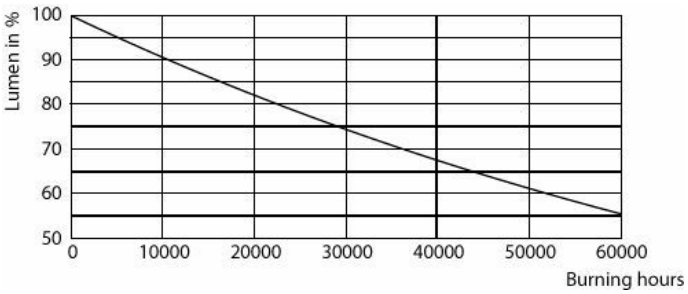
LifetimeVsTc



Lumen Maintenance Diagram - CorePro LED PLC 5.9W 830 2P G24d-1



FailureRate



Lumen Maintenance Diagram - CorePro LED PLC 5.9W 830 2P G24d-1

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	EPD-Philips-CorePro-LED-PLC-2P-COMF-7904616-Ref-929003757302-EPD.pdf	Download
Installation Instructions	online-QIG-for-324165132934-Installation-INI.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	CorePro-LED-PLC-830-2P-G24d-1-IES.ies	Download

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