

CorePro LED PLC 5.9W 840 2P G24d-1

929003757102



CorePro, LED, PL-C, EM/Mains, 115 mm, 5.9 W, 13W PL-C, 4000 K, 660 lm, CRI 82, 30000 h



CorePro, LED, PL-C, EM/Mains, 115 mm, 5.9 W, LED alternative to 13W PL-C, 4000 K, 660 lm, CRI 82, 30000 h, 111 lm/W, EEL E, G24d-1 Rotatable end-cap, 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 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical

Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	660 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	111 lm/W
Colour consistency	<6
Colour 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
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp 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	E
Energy-saving product	Yes
Approval marks	RoHS compliance
Energy consumption kWh/1,000 hours	6 kWh
EPREL Registration Number	1820632
CE mark	Yes
EU RoHS compliant	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +35 °C

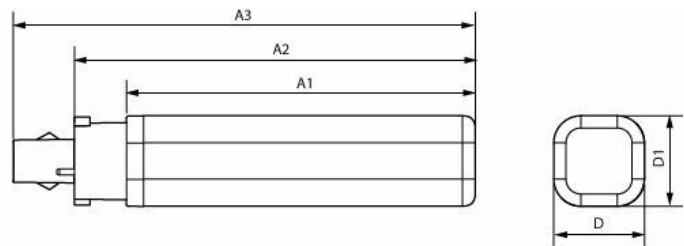
Application Conditions

Wireless Technology	Not applicable
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Product Data

Order product name	CorePro LED PLC 5.9W 840 2P G24d-1
Full product name	CorePro LED PLC 5.9W 840 2P G24d-1
Full EOC	872016928752500
Order code	929003757102
Material no. (12 NC)	929003757102
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8720169287525
Numerator – packs per outer box	10
EAN/UPC - Case	8720169287532

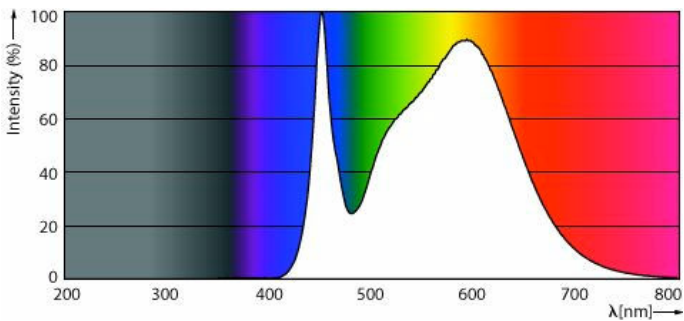
Dimensional drawing



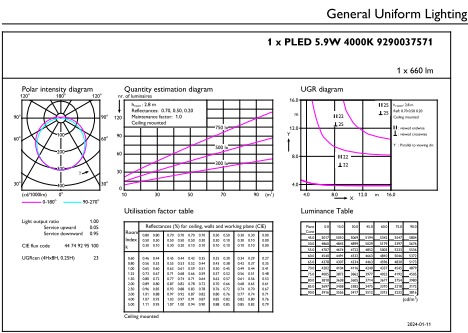
D	D1	A1	A2	A3
34 mm	34mm	95mm	115mm	138mm

Product	D1	D	A1	A2	A3
CorePro LED PLC 5.9W 840 2P G24d-1	34 mm	34 mm	95 mm	115 mm	138 mm

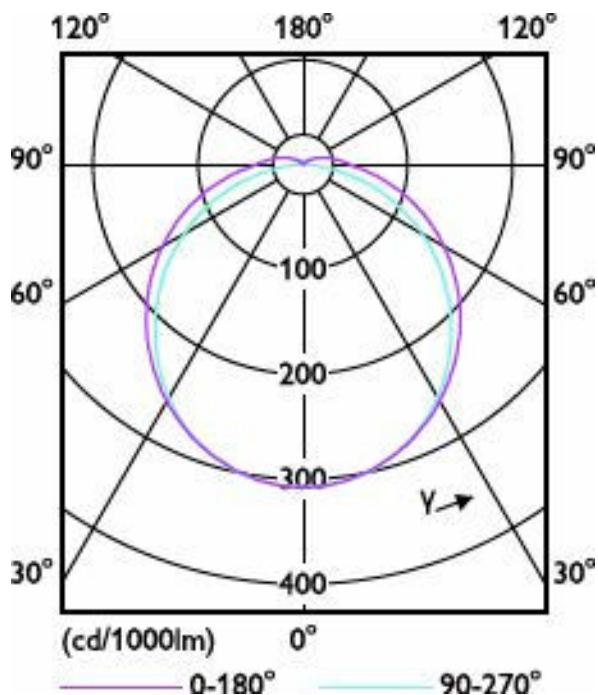
Photometric data



Spectral Power Distribution Colour - CorePro LED PLC 5.9W 840 2P G24d-1

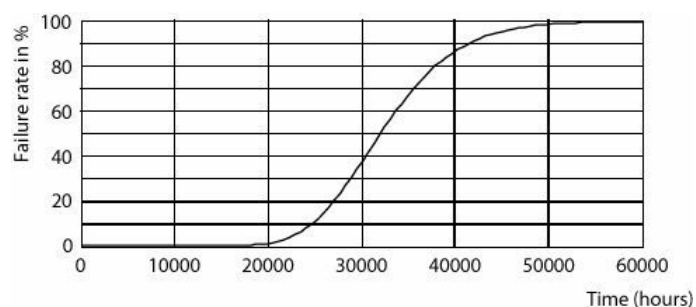


General uniform lighting - CorePro LED PLC 5.9W 840 2P G24d-1

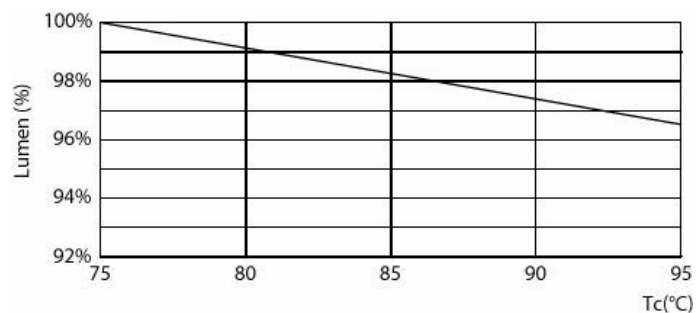


Light Distribution Diagram - CorePro LED PLC 5.9W 840 2P G24d-1

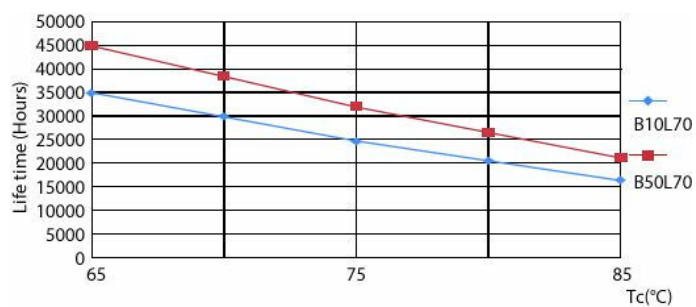
Lifetime



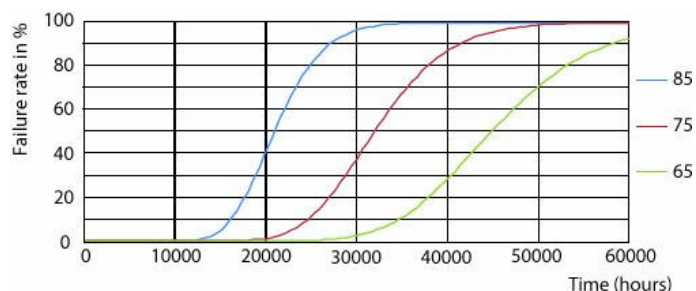
Life Expectancy Diagram



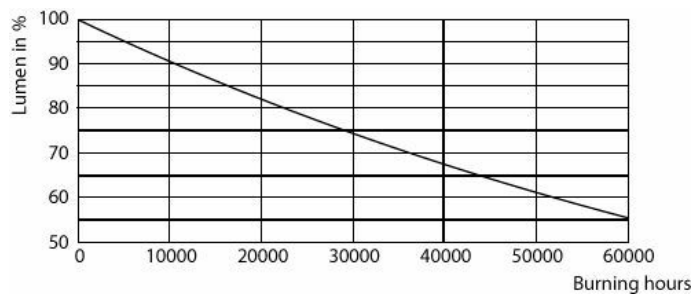
Lumen Maintenance Diagram - CorePro LED PLC 5.9W 840 2P G24d-1



LifetimeVsTc



FailureRate



Lumen Maintenance Diagram - CorePro LED PLC 5.9W 840 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-840-2P-G24d-1-IES.ies	Download

