CorePro LED PLC 2P

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CorePro LED PLC 6.9W 840 2P G24d-2

CorePro, LED, PL-C, EM/Mains, G24D-2 ROT, 6.9 W, 18W PL-C, 4000 K, 770 lm, CRI 82, 30000 hour(s)

CorePro LED PLC 2P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

Product data

General Information

Cap-Base	G24d-2
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical

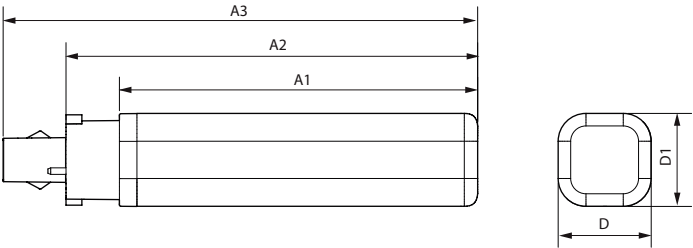|	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	770 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Photobiological safety according to EN 62471	RG1

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	6.9 W
Lamp Current (Nom)	38 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-C
Inrush current at mains	2.78
Max. lamp no. on MCB B type 10A - Mains	264
Max. lamp no. on MCB B type 10A - EM ballast without Compensation Capacitor.	264
Max. lamp no. on MCB B type 10A - EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	422

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Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	422	**Energy Consumption kWh/1000 h**	7 kWh
		EPREL Registration Number	1820628
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	–	**CE mark**	Yes
		EU RoHS compliant	Yes
Ballast Compatibility	EM/Mains	**Flickering value (PstLM) – Flickering value as per EN 61000-3-3**	1
Temperature		**Stroboscopic effect visibility measure (SVM)**	0.4
T–Case Maximum (Nom)	75 °C	**Ambient temperature range**	–20 to +35 °C
Controls and Dimming		**Product Data**	
Dimmable	No	**Order product name**	CorePro LED PLC 6.9W 840 2P G24d-2
Mechanical and Housing		**Full product name**	CorePro LED PLC 6.9W 840 2P G24d-2
Bulb Finish	Frosted		
Bulb Material	Plastic	**Full product code**	872016928756300
Product Length	125 mm	**Order code**	929003757302
Bulb Shape	PL-C	**Material Nr. (12NC)**	929003757302
Net Weight (Piece)	0.075 kg	**Numerator – Quantity Per Pack**	1
		EAN/UPC – Product/Case	8720169287563
Approval and Application		**Numerator – Packs per outer box**	10
Energy Efficiency Class	E	**EAN/UPC – Case**	8720169287570
Energy Saving Product	Yes		
Approval Marks	RoHS compliance CE marking KEMA Keur certificate		

Dimensional drawing

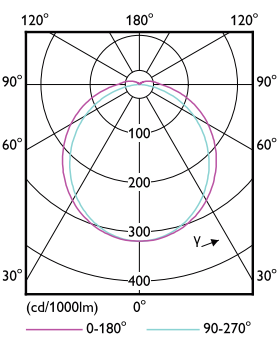| Product	D1	D	A1	A2	A3
CorePro LED PLC 6.9W 840 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm

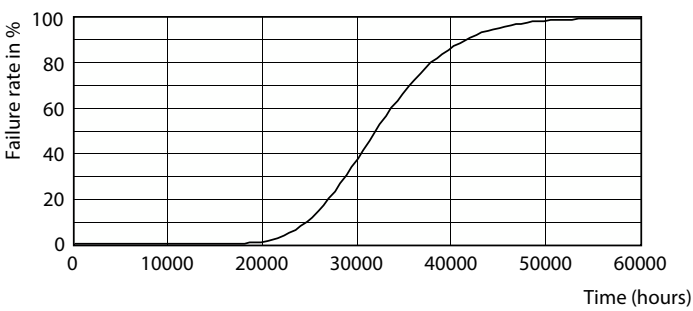# CorePro LED PLC 2P

Photometric data
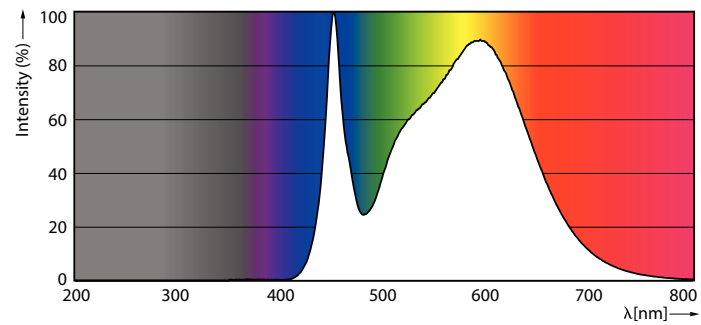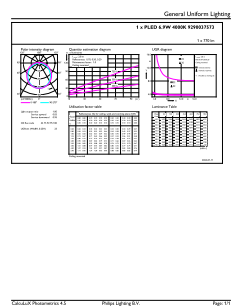
General uniform lighting – CorePro LED PLC 6.9W 840 2P G24d-2

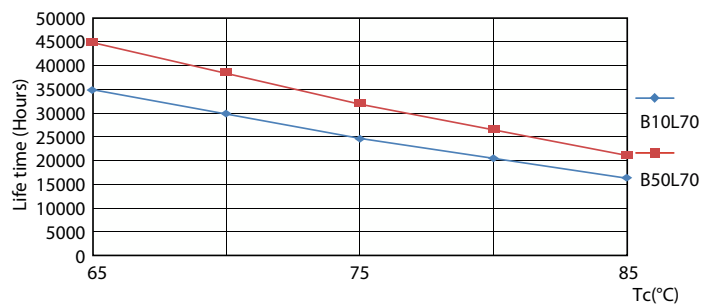Spectral Power Distribution Colour – CorePro LED PLC 6.9W 840 2P G24d-2

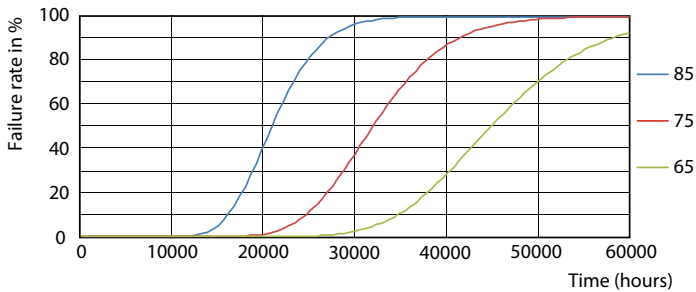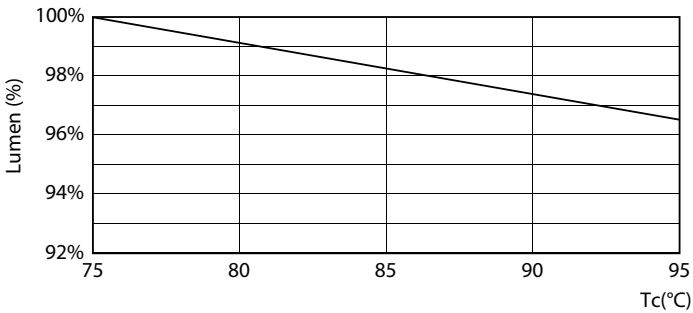Light Distribution Diagram – CorePro LED PLC 6.9W 840 2P G24d-2

Lifetime

Life Expectancy Diagram

LifetimeVsTc

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Lifetime

Lumen Maintenance Diagram – CorePro LED PLC 6.9W 840 2P G24d-2

FailureRate

Lumen Maintenance Diagram – CorePro LED PLC 6.9W 840 2P G24d-2

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2025, September 8 – data subject to change