CorePro LED PLC 2P

CorePro LED PLC 5.9W 840 2P G24d-1

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-1
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	660 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	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
Ballast Compatibility	EM/Mains
LED alternative to fluorescent lamp power	13 W
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.	-

Temperature

T-Case Maximum (Nom)	75 °C

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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	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	6 kWh
EPREL Registration Number	1820632
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

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 product code	872016928752500
Order code	929003757102
Material Nr. (12NC)	929003757102
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169287525
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169287532

Dimensional drawing
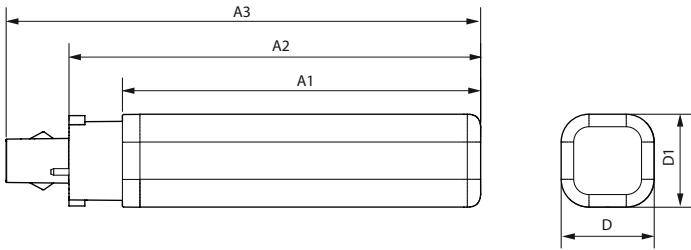
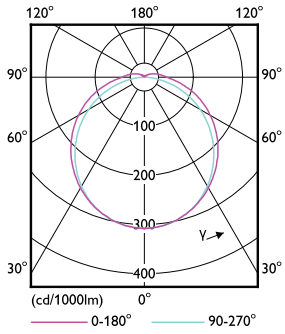| Product	D1	D2	A1	A2	A3
CorePro LED PLC 5.9W 840 2P G24d-1	34 mm		95 mm	115 mm	138 mm

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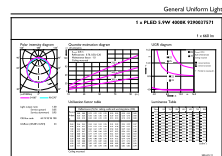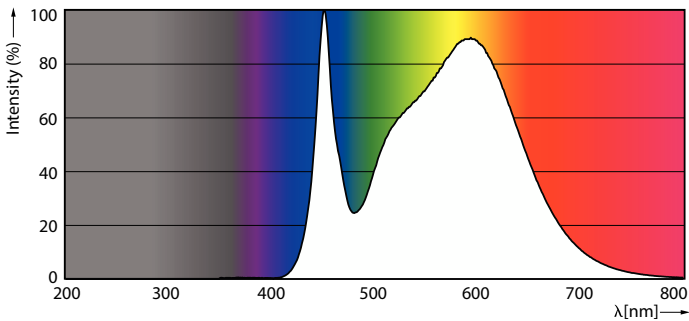
Spectral Power Distribution Colour – CorePro LED PLC 5.9W 840 2P G24d-1

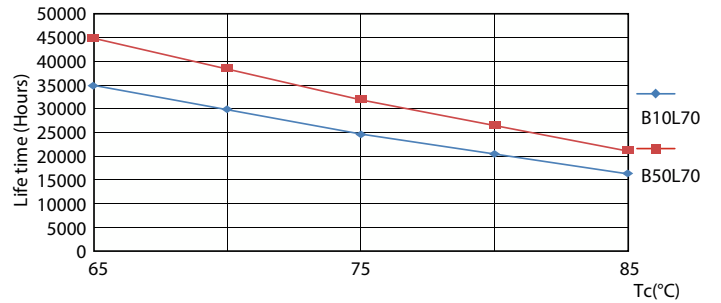General uniform lighting – CorePro LED PLC 5.9W 840 2P G24d-1

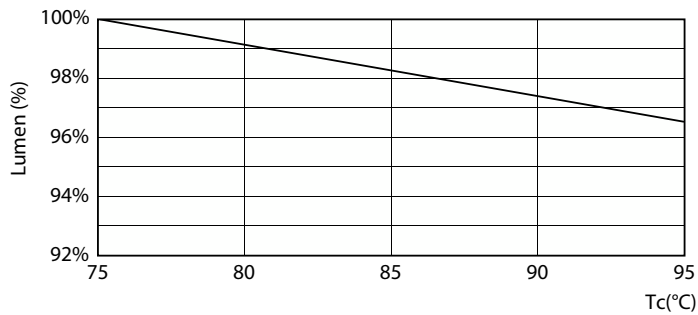# CorePro LED PLC 2P

Photometric data
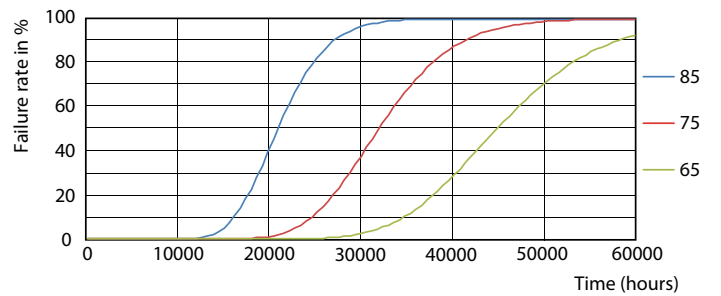
Lifetime

Life Expectancy Diagram

LifetimeVsTc

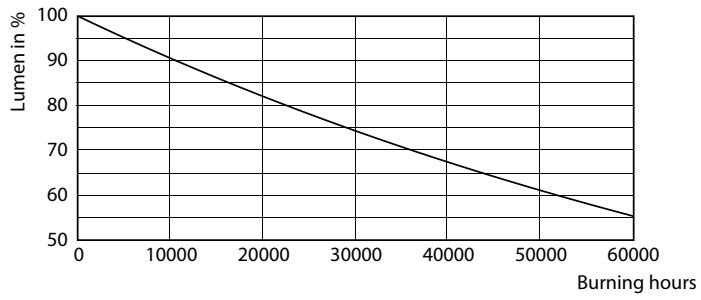Lumen Maintenance Diagram – CorePro LED PLC 5.9W 840 2P G24d-1

FailureRate

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Lifetime

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

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2025, March 17 – data subject to change