CorePro LED PLC 2P

CorePro LED PLC 6.9W 840 2P G24d-2

The 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.

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Product data

General Information

Cap base	G24d-2
Nominal lifetime	30,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical

Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	770 lm
Luminous efficacy (rated) (nom.)	111 lm/W
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Colour consistency	<6
Colour rendering index (CRI)	82
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Input frequency	50 to 60 Hz

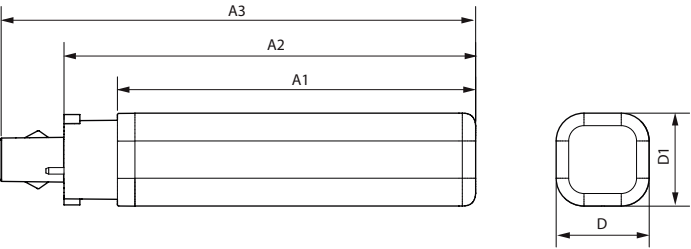|	
Power Consumption	6.9 W
Lamp current (nom.)	38 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
LED alternative to fluorescent lamp power	18 W
Inrush current at mains	2.78
Max. lamp no. on MCB B type 10A — Mains	264
Max. lamp no. on 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
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	422
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	–
Ballast Compatibility	EM/Mains

Temperature

Ambient temperature range	–20 to +35 °C

CorePro LED PLC 2P

T–Case maximum (nom.)	75 °C		**CE mark**	Yes
			EU RoHS compliant	Yes
Controls and Dimming				
Dimmable	No		**Product Data**	
			Order product name	CorePro LED PLC 6.9W 840 2P G24d-2
Mechanical and Housing				
Lamp Finish	Frosted		**Full product name**	CorePro LED PLC 6.9W 840 2P G24d-2
Bulb material	Plastic			
Product length	100 mm		**Full EOC**	872016928756300
Bulb shape	PL–C		**Order code**	28756300
			Material no. (12 NC)	929003757302
Approval and Application			**SAP numerator – quantity per pack**	1
Energy Efficiency Class	E		**Net Weight (Piece)**	0.075 kg
Energy-saving product	Yes		**EAN/UPC — Product/Case**	8720169287563
Approval marks	RoHS compliance CE marking KEMA Keur certificate		**Numerator – packs per outer box**	10
			EAN/UPC – Case	8720169287570
Energy consumption kWh/1,000 hours	7 kWh			
EPREL registration number	1820628			

Dimensional drawing

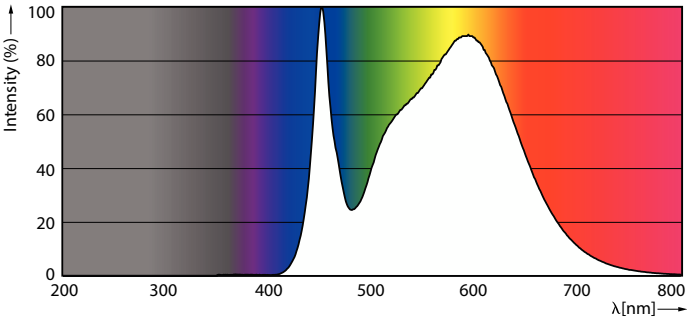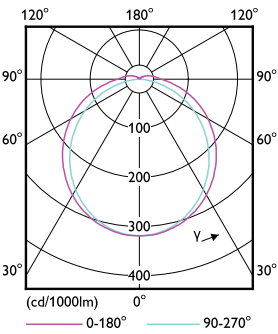| Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.9W 840 2P G24d-2	34 mm		129 mm	148 mm	171 mm

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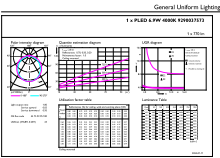
General uniform lighting – CorePro LED PLC 6.9W 840 2P G24d-2

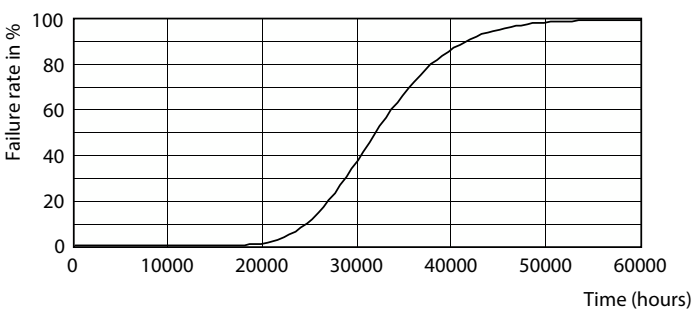Spectral Power Distribution Colour – CorePro LED PLC 6.9W 840 2P G24d-2

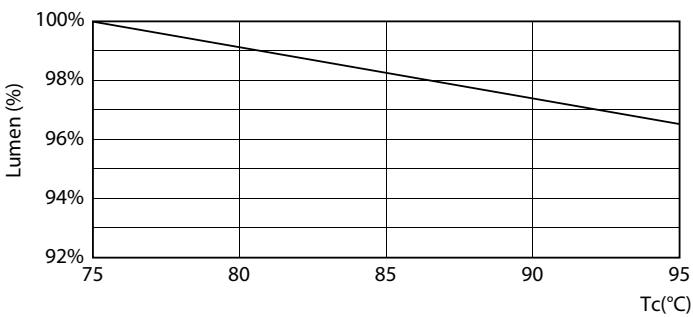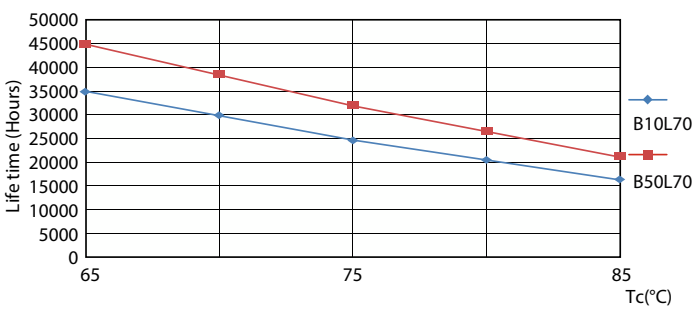# CorePro LED PLC 2P
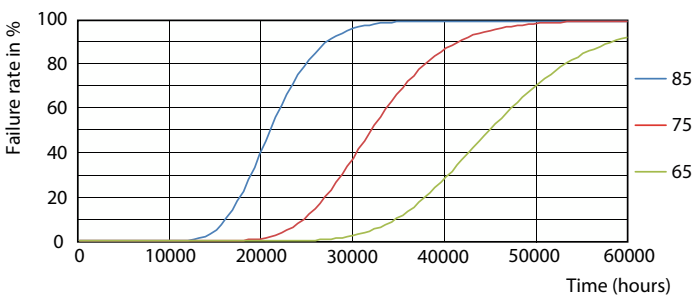
Photometric data

Lifetime

Life Expectancy Diagram

LifetimeVsTc

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

FailureRate

CorePro LED PLC 2P

Lifetime

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

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2024, April 18 – data subject to change