



CorePro LED PLC 4P



CorePro LED PLC 6.5W 840 4P G24q-2

The CorePro LED PLC 4P 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	G24q-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	700 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	92.31 lm/W
Colour consistency	<6
Colour rendering index (CRI)	83
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG0

Operating and Electrical	
Line Frequency	30000-80000 Hz
Input frequency	30000-80000 Hz
Power Consumption	6.5 W

Lamp current (max.)	300 mA
Lamp current (min.)	150 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	20-50 V
LED alternative to fluorescent lamp power	18 W
Inrush current at mains	-
Max. lamp no. on MCB B type 10A – Mains	-
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	HF

Temperature	
T-Case maximum (nom.)	66 °C

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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Product length	100 mm
Bulb shape	PL-C
Net Weight (Piece)	0.078 kg

Approval and Application

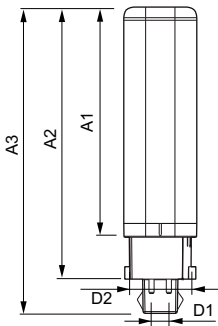
Energy Efficiency Class	F
Energy-saving product	Yes
Approval marks	RoHS compliance
Energy consumption kWh/1,000 hours	7 kWh
EPREL registration number	403553
CE mark	Yes
EU RoHS compliant	Yes

Ambient temperature range	-20°C to 35°C
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Product Data

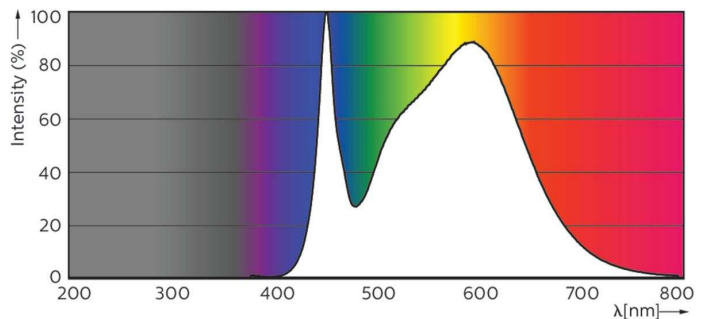
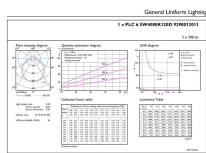
Order product name	CorePro LED PLC 6.5W 840 4P G24q-2
Full product name	CorePro LED PLC 6.5W 840 4P G24q-2
Full EOC	871869654121000
Order code	54121000
Material no. (12 NC)	929001201102
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696541210
Numerator – packs per outer box	10
EAN/UPC – Case	8718696541227

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.5W 840 4P G24q-2	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm

Photometric data

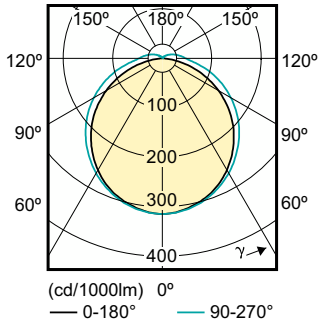


General uniform lighting - CorePro LED PLC 6.5W 840 4P G24q-2

Spectral Power Distribution Colour - CorePro LED PLC 6.5W 840 4P G24q-2

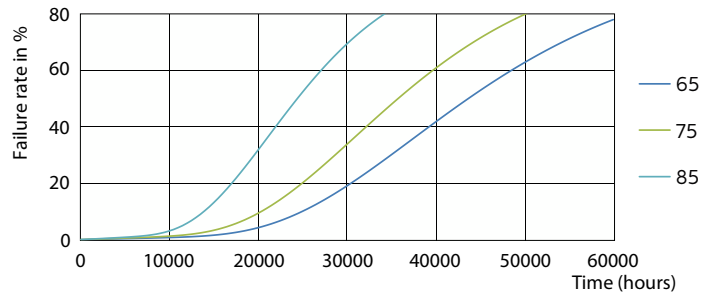
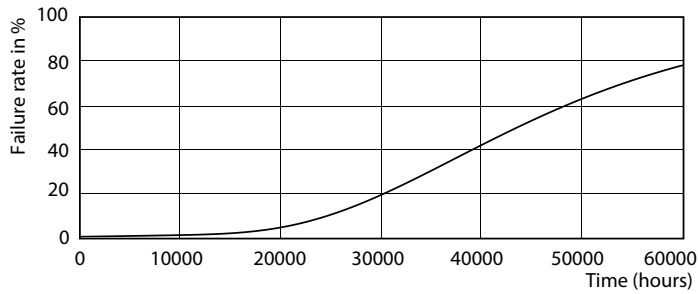
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Photometric data



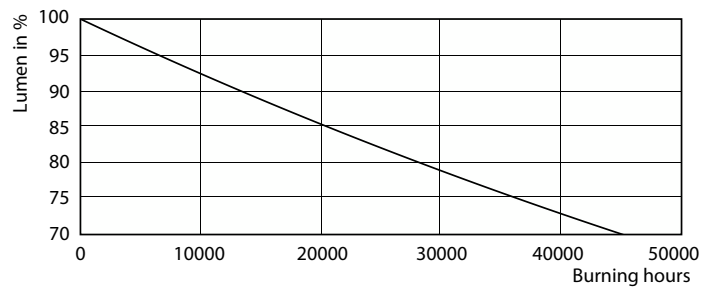
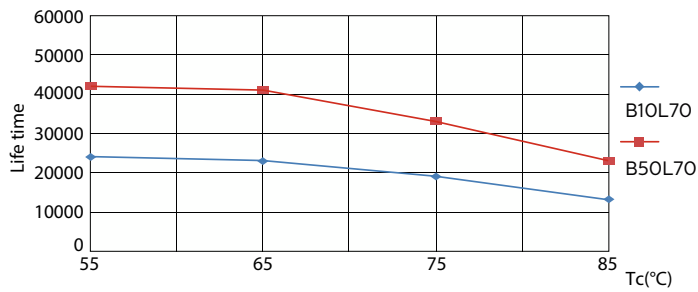
Light Distribution Diagram - CorePro LED PLC 6.5W 840 4P G24q-2

Lifetime



LEDtube PLC 100mm 7W G24Q-2 830 650lm

LEDtube PLC 100mm 7W G24Q-2 830 650lm

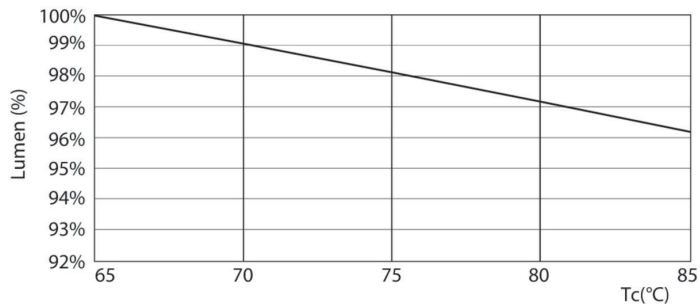


LEDtube PLC 100mm 7W G24Q-2 830 650lm

Lumen Maintenance Diagram - CorePro LED PLC 6.5W 840 4P G24q-2

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Lifetime



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