



# CorePro LED PLC 4P



## CorePro LED PLC 4.5W 840 4P G24q-1

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-1
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	500 lm
Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	111.11 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	4.5 W

Lamp current (max.)	260 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
Ballast Compatibility	HF
LED alternative to fluorescent lamp power	13 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.	-
Temperature	
T-Case maximum (nom.)	60 °C

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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Product length	115 mm
Bulb shape	PL-C
Net Weight (Piece)	0.075 kg

## Approval and Application

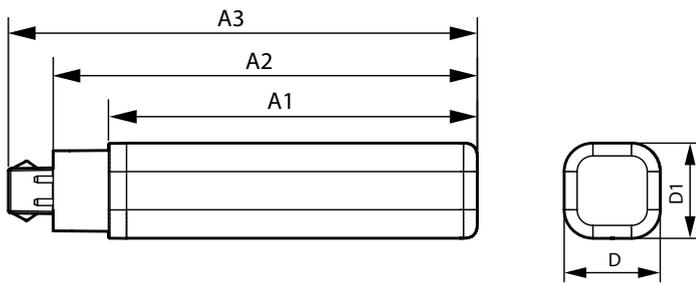
Energy Efficiency Class	F
Energy-saving product	Yes
Approval marks	RoHS compliance
Energy consumption kWh/1,000 hours	5 kWh
EPREL Registration Number	403563
CE mark	Yes
EU RoHS compliant	Yes

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

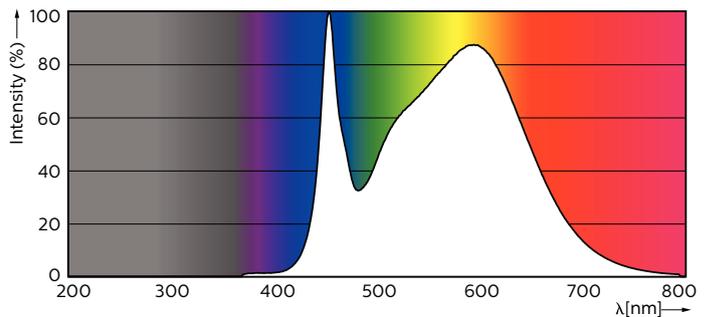
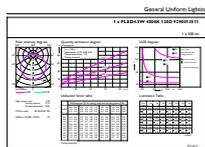
Order product name	CorePro LED PLC 4.5W 840 4P G24q-1
Full product name	CorePro LED PLC 4.5W 840 4P G24q-1
Full EOC	871869670665700
Order code	70665700
Material no. (12 NC)	929001351102
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696706657
Numerator – packs per outer box	10
EAN/UPC - Case	8718696706664

## Dimensional drawing



Product	D1	D	A1	A2	A3
CorePro LED PLC 4.5W 840 4P G24q-1	34 mm	34 mm	95 mm	115 mm	131 mm

## Photometric data

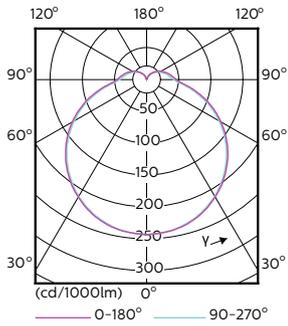


General uniform lighting - CorePro LED PLC 4.5W 840 4P G24q-1

Spectral Power Distribution Colour - CorePro LED PLC 4.5W 840 4P G24q-1

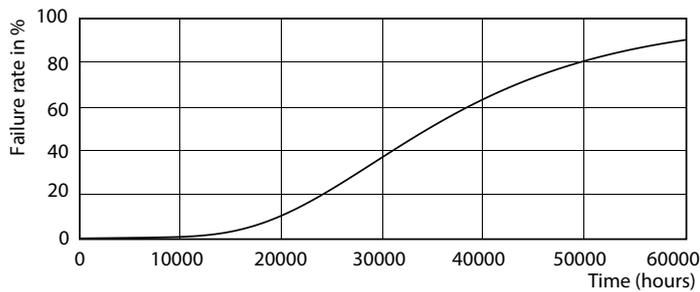
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## Photometric data

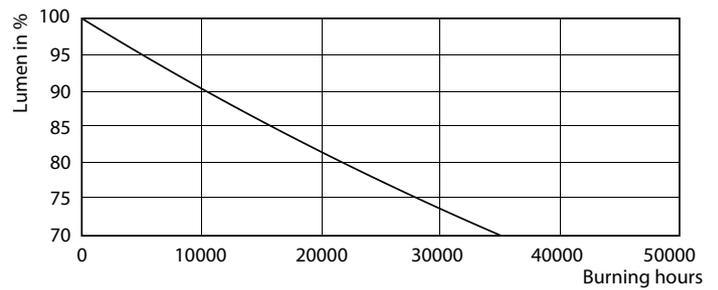


Light Distribution Diagram - CorePro LED PLC 4.5W 840 4P G24q-1

## Lifetime



LEDtube 100mm 5W G24D-1



Lumen Maintenance Diagram - CorePro LED PLC 4.5W 840 4P G24q-1

