PHILIPS Lighting

The new generation of energy-saving LED PLC tube lighting

CorePro LED PLC

Philips CorePro LED PLC is the ideal uplamping solution for downlights in a wide range of general lighting applications. It integrates a LED light source into a traditional fluorescent form factor to offer superb energy savings over a lifetime that's twice as long as fluorescent alternatives

Benefits
- Reduced operational cost thanks to lower energy consumption than conventional PLC lamps, as well as lower maintenance cost thanks to 2-3 times longer lifetime than conventional lamps
- Simple lamp-for-lamp replacement, re-using the existing fixture without major modifications, using a similar PLC form-factor.
- Fastest and easiest way to upgrade existing luminaires to LED technology

Features
- Shatter-proof plastic
- High quality of light, no flickering or stroboscoping effect
- Instant 100% light
- Rotating end-caps
- Choice of 3000 K and 4000 K

Application
- CorePro LED PLC lamps are the ideal upgrade for downlights in a wide range of applications. These include reception areas, meeting rooms, corridor and hallways in offices, retail stores, hospitality venues and home applications
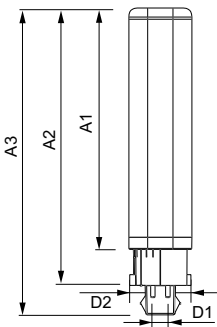
CorePro LED PLC

Warnings and Safety

· NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

Versions

G24D-1

Dimensional drawing

Product	D1	D2	A1	A2	A3
CorePro LED PLC 4.5W 830 4P G24q-1	24.3 mm	28.4 mm	95.8 mm	115 mm	130.6 mm
CorePro LED PLC 4.5W 840 4P G24q-1	24.3 mm	28.4 mm	95.8 mm	115 mm	130.6 mm

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Approval and application

Energy Consumption kWh/1000 h	5 kWh

Controls and dimming

Dimmable	No

Operating and electrical

Input Frequency	30000–80000 Hz
Voltage (Nom)	20–50 V
Power (Nom)	4.5 W
Starting Time (Nom)	0.5 s

General information

Cap-Base	G24Q-1
Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000X

Light technical

Beam Angle (Nom)	120 °
Color Rendering Index (Nom)	83
Llmf At End Of Nominal Lifetime (Nom)	70 %

Mechanical and housing

Bulb Shape	Tube, single-ended

Temperature

T–Ambient (Max)	35 °C
T–Ambient (Min)	–20 °C
T–Case Maximum (Nom)	60 °C
T–Storage (Max)	65 °C
T–Storage (Min)	–40 °C

Light technical

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)
929001351002	CorePro LED PLC 4.5W 830 4P G24q-1	830	3000 K	475 lm
929001351102	CorePro LED PLC 4.5W 840 4P G24q-1	840	4000 K	500 lm

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