



The new generation of energy-saving LED PLC tube lighting

CorePro LED PLC

The Philips CorePro LED PLC integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplampping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

Benefits

- Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to 2-3 times longer lifetime than conventional lamps
- Fastest and easiest way to upgrade existing luminaires to LED technology; completely safe product and installation process

Features

- Highly energy-efficient
- Easy installation
- Conventional form factor to fit into existing luminaires
- No mercury

Application

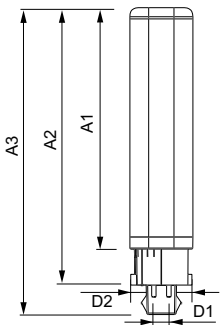
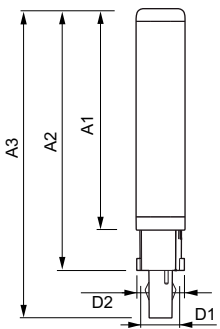
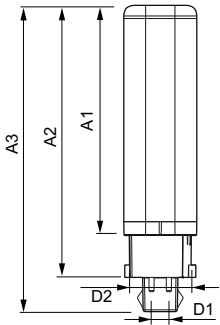
- Hospitality, retail, office, industrial and home applications

CorePro LED PLC

Versions



Dimensional drawing



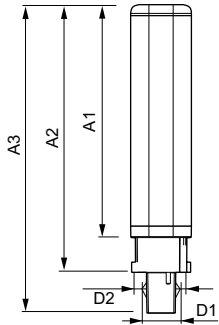
Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.5W 840 4P G24q-2	24.3 mm	28.4 mm	124.5 mm	105.3 mm	140.1 mm
CorePro LED PLC 6.5W 830 4P G24q-2	24.3 mm	28.4 mm	124.5 mm	105.3 mm	140.1 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.5W 830 2P G24d-2	24.3 mm	28.4 mm	124.5 mm	105.3 mm	147.1 mm
CorePro LED PLC 6.5W 840 2P G24d-2	24.3 mm	28.4 mm	124.5 mm	105.3 mm	147.1 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLC 9W 840 4P G24q-3	24.3 mm	28.4 mm	147.5 mm	128.3 mm	163.1 mm
CorePro LED PLC 9W 830 4P G24q-3	24.3 mm	28.4 mm	147.5 mm	128.3 mm	163.1 mm

CorePro LED PLC

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 8.5W 840 2P G24d-3	24.3 mm	28.4 mm	147.5 mm	128.3 mm	170.1 mm
CorePro LED PLC 8.5W 830 2P G24d-3	24.3 mm	28.4 mm	147.5 mm	128.3 mm	170.1 mm

Approval and Application

Energy Efficiency Label (EEL) A+

Controls and Dimming

Dimmable No

Operating and Electrical

Starting Time (Nom) 0.5 s

General Information

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 %

Rated Beam Angle 120 °

Temperature

T-Ambient (Max) 35 °C

T-Ambient (Min) -20 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

Approval and Application

order code	Energy Consumption kWh/1000 h
929001200802	12 kWh
929001200902	12 kWh
929001201002	9 kWh
929001201102	9 kWh
929001201202	11 kWh
929001201302	11 kWh
929001201402	9 kWh
929001201502	9 kWh

Operating and Electrical

order code	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
929001200802	30000-80000 Hz	20-50 V	9 W
929001200902	30000-80000 Hz	20-50 V	9 W
929001201002	30000-80000 Hz	20-50 V	6.5 W
929001201102	30000-80000 Hz	20-50 V	6.5 W
929001201202	50 to 60 Hz	The lamp must be connected with EM ballast220-240 V	8.5 W

order code	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
929001201302	50 to 60 Hz	The lamp must be connected with EM ballast220-240 V	8.5 W
929001201402	50 to 60 Hz	The lamp must be connected with EM ballast220-240 V	6.5 W
929001201502	50 to 60 Hz	The lamp must be connected with EM ballast220-240 V	6.5 W

General Information

CorePro LED PLC

order code	Cap-Base
929001200802	G24Q-3
929001200902	G24Q-3
929001201002	G24Q-2
929001201102	G24Q-2

order code	Cap-Base
929001201202	G24D-3
929001201302	G24D-3
929001201402	G24D-2
929001201502	G24D-2

Light Technical

order code	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001200802	830	3000 K	900 lm	900 lm
929001200902	840	4000 K	950 lm	950 lm
929001201002	830	3000 K	600 lm	600 lm
929001201102	840	4000 K	650 lm	650 lm

order code	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
929001201202	830	3000 K	900 lm	900 lm
929001201302	840	4000 K	950 lm	950 lm
929001201402	830	3000 K	600 lm	600 lm
929001201502	840	4000 K	650 lm	650 lm

Temperature

order code	T-Case Maximum (Nom)
929001200802	75 °C
929001200902	75 °C
929001201002	65 °C
929001201102	65 °C

order code	T-Case Maximum (Nom)
929001201202	70 °C
929001201302	70 °C
929001201402	65 °C
929001201502	65 °C

Light Distribution Diagrams

