![Philips Lighting logo]

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 costs thanks to lower energy consumption than conventional PLC lamps, as well as lower maintenance costs thanks to a two to three 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
· The fastest and easiest way to upgrade existing luminaires to LED technology

Features
· Shatter-proof plastic
· High quality of light, no flickering or stroboscoping effects
· Instant 100% light
· Rotating end-caps
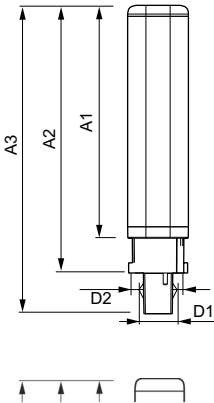· Choice of 3,000 K and 4,000 K

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 outlets, hospitality venues and home applications.

CorePro LED PLC

Versions

Dimensional drawing

Product	D1	D2	A1	A2	A3
LED PLC 8.5W 830 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm
LED PLC 8.5W 840 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm
LED PLC 8.5W 865 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm

Product	D1	D2	A1	A2	A3
LED PLC 6.5W 840 2P G24d-2	24.3 mm	28.4 mm	105.8 mm	125 mm	147.6 mm
LED PLC 6.5W 830 2P G24d-2	24.3 mm	28.4 mm	105.8 mm	125 mm	147.6 mm
LED PLC 6.5W 865 2P G24d-2	24.3 mm	28.4 mm	105.8 mm	125 mm	147.6 mm

Approval and Application

Energy Efficiency Label (EEL)	A+

Operating and Electrical

Input Frequency	50 to 60 Hz
Voltage (Nom)	220-240 V
Starting Time (Nom)	0.5 s

General Information

Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000X

Light Technical

Colour Rendering Index (Nom)	83
Llmf At End Of Nominal Lifetime (Nom)	70 %

Temperature

T-Ambient (Max)	35 ℃
T-Ambient (Min)	–20 ℃
T-Storage (Max)	65 ℃
T-Storage (Min)	–40 ℃

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001201208	LED PLC 8.5W 830 2P G24d-3	11 kWh
929001201308	LED PLC 8.5W 840 2P G24d-3	11 kWh
929001280108	LED PLC 8.5W 865 2P G24d-3	11 kWh
929001201408	LED PLC 6.5W 830 2P G24d-2	9 kWh
929001201508	LED PLC 6.5W 840 2P G24d-2	9 kWh
929001280208	LED PLC 6.5W 865 2P G24d-2	9 kWh

Controls and Dimming

Order Code	Full Product Name	Dimmable
929001201208	LED PLC 8.5W 830 2P G24d-3	no
929001201308	LED PLC 8.5W 840 2P G24d-3	no
929001280108	LED PLC 8.5W 865 2P G24d-3	No

Order Code	Full Product Name	Dimmable
929001201408	LED PLC 6.5W 830 2P G24d-2	no
929001201508	LED PLC 6.5W 840 2P G24d-2	no
929001280208	LED PLC 6.5W 865 2P G24d-2	No

Operating and Electrical

Order Code	Full Product Name	Power (Rated) (Nom)
929001201208	LED PLC 8.5W 830 2P G24d-3	8.5 W
929001201308	LED PLC 8.5W 840 2P G24d-3	8.5 W
929001280108	LED PLC 8.5W 865 2P G24d-3	8.5 W

Order Code	Full Product Name	Power (Rated) (Nom)
929001201408	LED PLC 6.5W 830 2P G24d-2	6.5 W
929001201508	LED PLC 6.5W 840 2P G24d-2	6.5 W
929001280208	LED PLC 6.5W 865 2P G24d-2	6.5 W

General Information

Order Code	Full Product Name	Cap-Base
929001201208	LED PLC 8.5W 830 2P G24d-3	G24D-3
929001201308	LED PLC 8.5W 840 2P G24d-3	G24D-3
929001280108	LED PLC 8.5W 865 2P G24d-3	G24D-3

Order Code	Full Product Name	Cap-Base
929001201408	LED PLC 6.5W 830 2P G24d-2	G24D-2
929001201508	LED PLC 6.5W 840 2P G24d-2	G24D-2
929001280208	LED PLC 6.5W 865 2P G24d-2	G24D-2

Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
929001201208	LED PLC 8.5W 830 2P G24d-3	830	3000 K	950 lm

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
929001201308	LED PLC 8.5W 840 2P G24d-3	840	4000 K	1000 lm

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Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
929001280108	LED PLC 8.5W 865 2P G24d-3	865	6500 K	1000 lm
929001201408	LED PLC 6.5W 830 2P G24d-2	830	3000 K	650 lm

Order Code	Full Product Name	Colour Code	Correlated Colour Temperature (Nom)	Luminous Flux (Nom)
929001201508	LED PLC 6.5W 840 2P G24d-2	840	4000 K	700 lm
929001280208	LED PLC 6.5W 865 2P G24d-2	865	6500 K	700 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001201208	LED PLC 8.5W 830 2P G24d-3	75 °C
929001201308	LED PLC 8.5W 840 2P G24d-3	75 °C
929001280108	LED PLC 8.5W 865 2P G24d-3	75 °C
929001201408	LED PLC 6.5W 830 2P G24d-2	65 °C
929001201508	LED PLC 6.5W 840 2P G24d-2	65 °C
929001280208	LED PLC 6.5W 865 2P G24d-2	65 °C

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