



# 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 stroboscopic effects
- Instant 100% light
- Rotating end-caps
- Choice of 3,000 K and 4,000 K

### Application

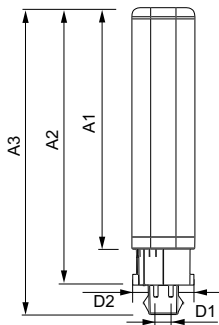
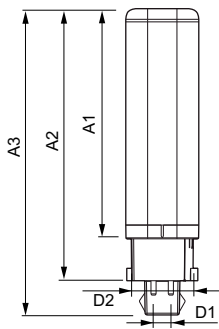
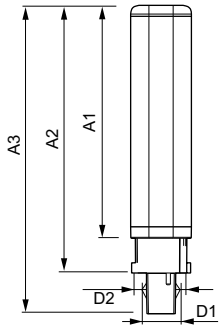
- CorePro LED PLC lamps are the ideal upgrade for downlights in a wide range of applications. These include reception areas, meeting rooms, corridor and hallways in offices, retail outlets, hospitality venues and home applications.

# CorePro LED PLC

## Versions



## Dimensional drawing

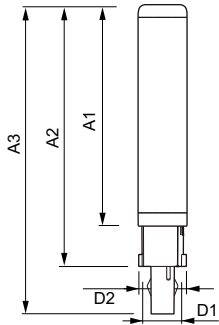


Product	D1	D2	A1	A2	A3
CorePro LED PLC LED PLC 8.5W 830 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm
CorePro LED PLC LED PLC 8.5W 865 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm
CorePro LED PLC LED PLC 8.5W 840 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLC CorePro LED PLC 6.5W 830 4P G24q-2	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm
CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLC CorePro LED PLC 9W 830 4P G24q-3	24.3 mm	28.4 mm	128.8 mm	148 mm	163.6 mm
CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	24.3 mm	28.4 mm	128.8 mm	148 mm	163.6 mm

## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC LED PLC 6.5W 865 2P G24d-2	24.3 mm	28.4 mm	105.8 mm	125 mm	147.6 mm
CorePro LED PLC LED PLC 6.5W 840 2P G24d-2	24.3 mm	28.4 mm	105.8 mm	125 mm	147.6 mm
CorePro LED PLC LED PLC 6.5W 830 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+
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### Operating and Electrical

Starting Time (Nom)	0.5 s
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### General Information

Nominal Lifetime (Nom)	30000 h
Rated Lifetime (Hours)	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 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001200802	CorePro LED PLC CorePro LED PLC 9W 830 4P G24q-3	12 kWh
929001200902	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	12 kWh
929001201002	CorePro LED PLC CorePro LED PLC 6.5W 830 4P G24q-2	9 kWh
929001201102	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	9 kWh
929001201208	CorePro LED PLC LED PLC 8.5W 830 2P G24d-3	11 kWh
929001201308	CorePro LED PLC LED PLC 8.5W 840 2P G24d-3	11 kWh
929001280108	CorePro LED PLC LED PLC 8.5W 865 2P G24d-3	11 kWh
929001201408	CorePro LED PLC LED PLC 6.5W 830 2P G24d-2	9 kWh
929001201508	CorePro LED PLC LED PLC 6.5W 840 2P G24d-2	9 kWh
929001280208	CorePro LED PLC LED PLC 6.5W 865 2P G24d-2	9 kWh

## Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
929001200802	CorePro LED PLC CorePro LED PLC 9W 830 4P G24q-3	no	929001201308	CorePro LED PLC LED PLC 8.5W 840 2P G24d-3	no
929001200902	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	no	929001280108	CorePro LED PLC LED PLC 8.5W 865 2P G24d-3	No
929001201002	CorePro LED PLC CorePro LED PLC 6.5W 830 4P G24q-2	no	929001201408	CorePro LED PLC LED PLC 6.5W 830 2P G24d-2	no
929001201102	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	no	929001201508	CorePro LED PLC LED PLC 6.5W 840 2P G24d-2	no
929001201208	CorePro LED PLC LED PLC 8.5W 830 2P G24d-3	no	929001280208	CorePro LED PLC LED PLC 6.5W 865 2P G24d-2	No

## Operating and Electrical

# CorePro LED PLC

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
929001200802	CorePro LED PLC CorePro LED PLC 9W 830 4P G24q-3	30000-80000 Hz	20-50 V	9 W
929001200902	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	30000-80000 Hz	20-50 V	9 W
929001201002	CorePro LED PLC CorePro LED PLC 6.5W 830 4P G24q-2	30000-80000 Hz	20-50 V	6.5 W
929001201102	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	30000-80000 Hz	20-50 V	6.5 W
929001201208	CorePro LED PLC LED PLC 8.5W 830 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
929001201308	CorePro LED PLC LED PLC 8.5W 840 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
929001280108	CorePro LED PLC LED PLC 8.5W 865 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
929001201408	CorePro LED PLC LED PLC 6.5W 830 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
929001201508	CorePro LED PLC LED PLC 6.5W 840 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
929001280208	CorePro LED PLC LED PLC 6.5W 865 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W

## General Information

Order Code	Full Product Name	Cap-Base
929001200802	CorePro LED PLC CorePro LED PLC 9W 830 4P G24q-3	G24Q-3
929001200902	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	G24Q-3
929001201002	CorePro LED PLC CorePro LED PLC 6.5W 830 4P G24q-2	G24Q-2
929001201102	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	G24Q-2
929001201208	CorePro LED PLC LED PLC 8.5W 830 2P G24d-3	G24D-3

Order Code	Full Product Name	Cap-Base
929001201308	CorePro LED PLC LED PLC 8.5W 840 2P G24d-3	G24D-3
929001280108	CorePro LED PLC LED PLC 8.5W 865 2P G24d-3	G24D-3
929001201408	CorePro LED PLC LED PLC 6.5W 830 2P G24d-2	G24D-2
929001201508	CorePro LED PLC LED PLC 6.5W 840 2P G24d-2	G24D-2
929001280208	CorePro LED PLC LED PLC 6.5W 865 2P G24d-2	G24D-2

## Light Technical

Order Code	Full Product Name	Colour Code	Correlated Colour		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
929001200802	CorePro LED PLC CorePro LED PLC 9W 830 4P G24q-3	830	3000 K	950 lm	950 lm
929001200902	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	840	4000 K	1000 lm	1000 lm
929001201002	CorePro LED PLC CorePro LED PLC 6.5W 830 4P G24q-2	830	3000 K	650 lm	650 lm
929001201102	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	840	4000 K	700 lm	700 lm
929001201208	CorePro LED PLC LED PLC 8.5W 830 2P G24d-3	830	3000 K	950 lm	950 lm

Order Code	Full Product Name	Colour Code	Correlated Colour		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
929001201308	CorePro LED PLC LED PLC 8.5W 840 2P G24d-3	840	4000 K	1000 lm	1000 lm
929001280108	CorePro LED PLC LED PLC 8.5W 865 2P G24d-3	865	6500 K	1000 lm	1000 lm
929001201408	CorePro LED PLC LED PLC 6.5W 830 2P G24d-2	830	3000 K	650 lm	650 lm
929001201508	CorePro LED PLC LED PLC 6.5W 840 2P G24d-2	840	4000 K	700 lm	700 lm
929001280208	CorePro LED PLC LED PLC 6.5W 865 2P G24d-2	865	6500 K	700 lm	700 lm

# CorePro LED PLC

## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001200802	CorePro LED PLC CorePro LED PLC 9W 830 4P G24q-3	76 °C
929001200902	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	76 °C
929001201002	CorePro LED PLC CorePro LED PLC 6.5W 830 4P G24q-2	66 °C
929001201102	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	66 °C
929001201208	CorePro LED PLC LED PLC 8.5W 830 2P G24d-3	75 °C
929001201308	CorePro LED PLC LED PLC 8.5W 840 2P G24d-3	75 °C
929001280108	CorePro LED PLC LED PLC 8.5W 865 2P G24d-3	75 °C
929001201408	CorePro LED PLC LED PLC 6.5W 830 2P G24d-2	65 °C
929001201508	CorePro LED PLC LED PLC 6.5W 840 2P G24d-2	65 °C
929001280208	CorePro LED PLC LED PLC 6.5W 865 2P G24d-2	65 °C

