



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

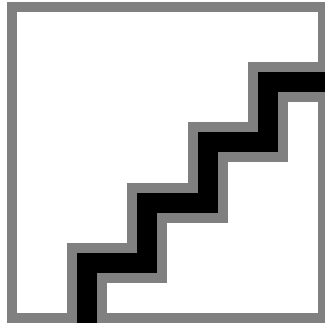
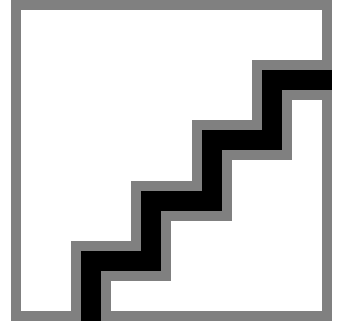
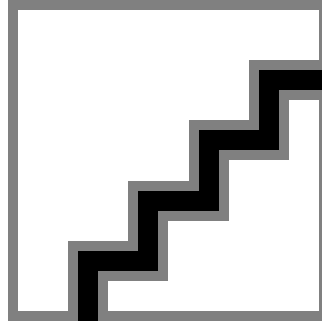
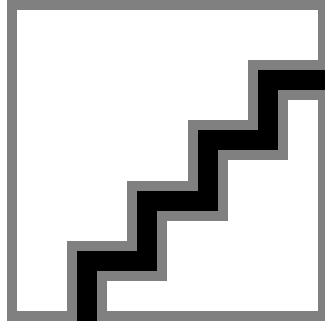
- Shatter-proof plastic
- High quality of light, no flickering or stroboscopic effects
- Instant 100% light
- Rotating end-caps
- Choice of 3,000 K and 4,000 K

Application

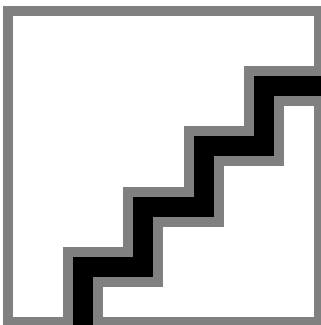
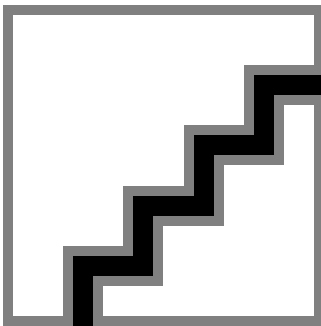
- CorePro LED PLC lamps are the ideal upgrade for downlights in a wide range of applications. These include reception areas, meeting rooms, corridor and hallways in offices, retail outlets, hospitality venues and home applications.

CorePro LED PLC

Versions



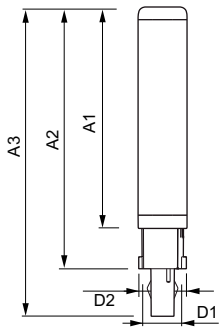
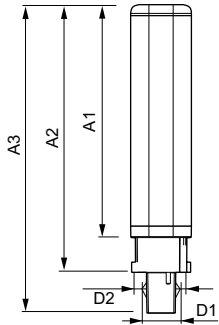
Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.5W 840 4P G24q-2	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm
CorePro LED PLC 6.5W 830 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 9W 840 4P G24q-3	24.3 mm	28.4 mm	128.8 mm	148 mm	163.6 mm
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 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

Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 8.5W 840 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm
CorePro 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 4.5W 830 2P G24d-1	24.3 mm	28.4 mm	95.8 mm	115 mm	137.6 mm
CorePro LED PLC 4.5W 840 2P G24d-1	24.3 mm	28.4 mm	95.8 mm	115 mm	137.6 mm

Product	D1	D2	A1	A2	A3
CorePro 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 6.5W 830 2P G24d-2	24.3 mm	28.4 mm	105.8 mm	125 mm	147.6 mm

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	Energy Efficiency Label (EEL)
54115900	CorePro CorePro LED PLC 9W 830 4P G24q-3	12 kWh	A+
54117300	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	12 kWh	A+
54119700	CorePro CorePro LED PLC 6.5W 830 4P G24q-2	9 kWh	A+
54121000	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	9 kWh	A+
54123400	CorePro LED PLC CorePro LED PLC 8.5W 830 2P G24d-3	11 kWh	A+
54125800	CorePro LED PLC CorePro LED PLC 8.5W 840 2P G24d-3	11 kWh	A+
54127200	CorePro LED PLC CorePro LED PLC 6.5W 830 2P G24d-2	9 kWh	A+
54129600	CorePro LED PLC CorePro LED PLC 6.5W 840 2P G24d-2	9 kWh	A+
70659600	CorePro CorePro LED PLC 4.5W 830 2P G24d-1	5 kWh	A++
70661900	CorePro LED PLC CorePro LED PLC 4.5W 840 2P G24d-1	5 kWh	A++
70663300	CorePro CorePro LED PLC 4.5W 830 4P G24q-1	6 kWh	A+
70665700	CorePro LED PLC CorePro LED PLC 4.5W 840 4P G24q-1	6 kWh	A+

Controls and Dimming

CorePro LED PLC

Order Code	Full Product Name	Dimmable
54115900	CorePro CorePro LED PLC 9W 830 4P G24q-3	no
54117300	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	no
54119700	CorePro CorePro LED PLC 6.5W 830 4P G24q-2	no
54121000	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	no
54123400	CorePro LED PLC CorePro LED PLC 8.5W 830 2P G24d-3	no
54125800	CorePro LED PLC CorePro LED PLC 8.5W 840 2P G24d-3	no

Order Code	Full Product Name	Dimmable
54127200	CorePro LED PLC CorePro LED PLC 6.5W 830 2P G24d-2	no
54129600	CorePro LED PLC CorePro LED PLC 6.5W 840 2P G24d-2	no
70659600	CorePro CorePro LED PLC 4.5W 830 2P G24d-1	No
70661900	CorePro LED PLC CorePro LED PLC 4.5W 840 2P G24d-1	No
70663300	CorePro CorePro LED PLC 4.5W 830 4P G24q-1	No
70665700	CorePro LED PLC CorePro LED PLC 4.5W 840 4P G24q-1	No

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
54115900	CorePro CorePro LED PLC 9W 830 4P G24q-3	30000-80000 Hz	20-50 V	9 W
54117300	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	30000-80000 Hz	20-50 V	9 W
54119700	CorePro CorePro LED PLC 6.5W 830 4P G24q-2	30000-80000 Hz	20-50 V	6.5 W
54121000	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	30000-80000 Hz	20-50 V	6.5 W
54123400	CorePro LED PLC CorePro LED PLC 8.5W 830 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
54125800	CorePro LED PLC CorePro LED PLC 8.5W 840 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)
54127200	CorePro LED PLC CorePro LED PLC 6.5W 830 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
54129600	CorePro LED PLC CorePro LED PLC 6.5W 840 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
70659600	CorePro CorePro LED PLC 4.5W 830 2P G24d-1	50 to 60 Hz	220-240 V	4.5 W
70661900	CorePro LED PLC CorePro LED PLC 4.5W 840 2P G24d-1	50 to 60 Hz	220-240 V	4.5 W
70663300	CorePro CorePro LED PLC 4.5W 830 4P G24q-1	30000-80000 Hz	20-50 V	4.5 W
70665700	CorePro LED PLC CorePro LED PLC 4.5W 840 4P G24q-1	30000-80000 Hz	20-50 V	4.5 W

General Information

Order Code	Full Product Name	Cap-Base
54115900	CorePro CorePro LED PLC 9W 830 4P G24q-3	G24Q-3
54117300	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	G24Q-3
54119700	CorePro CorePro LED PLC 6.5W 830 4P G24q-2	G24Q-2
54121000	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	G24Q-2
54123400	CorePro LED PLC CorePro LED PLC 8.5W 830 2P G24d-3	G24D-3
54125800	CorePro LED PLC CorePro LED PLC 8.5W 840 2P G24d-3	G24D-3

Order Code	Full Product Name	Cap-Base
54127200	CorePro LED PLC CorePro LED PLC 6.5W 830 2P G24d-2	G24D-2
54129600	CorePro LED PLC CorePro LED PLC 6.5W 840 2P G24d-2	G24D-2
70659600	CorePro CorePro LED PLC 4.5W 830 2P G24d-1	G24D-1
70661900	CorePro LED PLC CorePro LED PLC 4.5W 840 2P G24d-1	G24D-1
70663300	CorePro CorePro LED PLC 4.5W 830 4P G24q-1	G24Q-1
70665700	CorePro LED PLC CorePro LED PLC 4.5W 840 4P G24q-1	G24Q-1

Light Technical

Order Code	Full Product Name	Colour Code	Correlated		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
54115900	CorePro CorePro LED PLC 9W 830 4P G24q-3	830	3000 K	950 lm	950 lm
54117300	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	840	4000 K	1000 lm	1000 lm

Order Code	Full Product Name	Colour Code	Correlated		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
54119700	CorePro CorePro LED PLC 6.5W 830 4P G24q-2	830	3000 K	650 lm	650 lm
54121000	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	840	4000 K	700 lm	700 lm

CorePro LED PLC

Order Code	Full Product Name	Colour Code	Correlated Colour		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
	6.5W 840 4P G24q-2				
54123400	CorePro LED PLC CorePro LED PLC 8.5W 830 2P G24d-3	830	3000 K	950 lm	950 lm
54125800	CorePro LED PLC CorePro LED PLC 8.5W 840 2P G24d-3	840	4000 K	1000 lm	1000 lm
54127200	CorePro LED PLC CorePro LED PLC 6.5W 830 2P G24d-2	830	3000 K	650 lm	650 lm
54129600	CorePro LED PLC CorePro LED PLC	840	4000 K	700 lm	700 lm

Order Code	Full Product Name	Colour Code	Correlated Colour		Luminous Flux (Rated) (Nom)
			Temperature (Nom)	Luminous Flux (Nom)	
	6.5W 840 2P G24d-2				
70659600	CorePro CorePro LED PLC 4.5W 830 2P G24d-1	830	3000 K	475 lm	475 lm
70661900	CorePro LED PLC CorePro LED PLC 4.5W 840 2P G24d-1	840	4000 K	500 lm	500 lm
70663300	CorePro CorePro LED PLC 4.5W 830 4P G24q-1	830	3000 K	475 lm	475 lm
70665700	CorePro LED PLC CorePro LED PLC 4.5W 840 4P G24q-1	840	4000 K	500 lm	500 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
54115900	CorePro CorePro LED PLC 9W 830 4P G24q-3	76 °C
54117300	CorePro LED PLC CorePro LED PLC 9W 840 4P G24q-3	76 °C
54119700	CorePro CorePro LED PLC 6.5W 830 4P G24q-2	66 °C
54121000	CorePro LED PLC CorePro LED PLC 6.5W 840 4P G24q-2	66 °C
54123400	CorePro LED PLC CorePro LED PLC 8.5W 830 2P G24d-3	75 °C
54125800	CorePro LED PLC CorePro LED PLC 8.5W 840 2P G24d-3	75 °C
54127200	CorePro LED PLC CorePro LED PLC 6.5W 830 2P G24d-2	65 °C
54129600	CorePro LED PLC CorePro LED PLC 6.5W 840 2P G24d-2	65 °C
70659600	CorePro CorePro LED PLC 4.5W 830 2P G24d-1	60 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
70661900	CorePro LED PLC CorePro LED PLC 4.5W 840 2P G24d-1	60 °C
70663300	CorePro CorePro LED PLC 4.5W 830 4P G24q-1	60 °C
70665700	CorePro LED PLC CorePro LED PLC 4.5W 840 4P G24q-1	60 °C

