



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

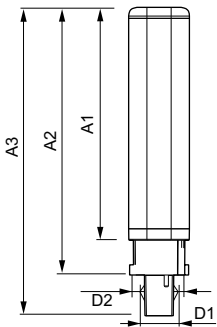
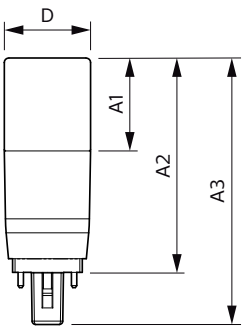
- CorePro LED PLC lamps are the ideal upgrade for downlights in a wide range of applications. These include reception areas, meeting rooms, corridor and hallways in offices, retail outlets, hospitality venues and home applications.

CorePro LED PLC

Versions



Dimensional drawing

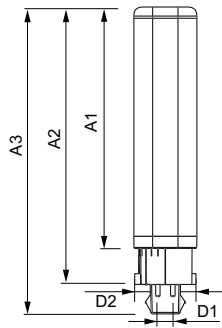
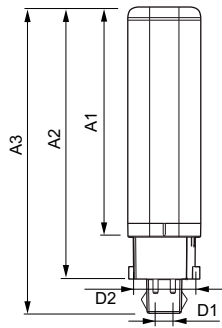


Product	D	A1	A2	A3
LED PLC 9W 830 2P G24d	37.2 mm	40 mm	92.5 mm	115 mm
LED PLC 7.5W 865 2P G24d	37.2 mm	40 mm	92.5 mm	115 mm
LED PLC 7.5W 840 2P G24d	37.2 mm	40 mm	92.5 mm	115 mm
LED PLC 7.5W 830 2P G24d	37.2 mm	40 mm	92.5 mm	115 mm
LED PLC 9W 865 2P G24d	37.2 mm	40 mm	92.5 mm	115 mm
LED PLC 9W 840 2P G24d	37.2 mm	40 mm	92.5 mm	115 mm

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
CorePro LED PLC 4.5W 840 2P G24d-1	24.3 mm	28.4 mm	95.8 mm	115 mm	137.6 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 8.5W 840 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm

CorePro LED PLC

Dimensional drawing



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
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

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

Controls and Dimming	
Dimmable	No
Operating and Electrical	
Starting Time (Nom)	0.5 s
General Information	
Switching Cycle	50000X
Light Technical	
Llmf At End Of Nominal Lifetime (Nom)	70 %
Temperature	
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 LED PLC 9W 830 4P G24q-3	12 kWh	A+
54117300	CorePro LED PLC 9W 840 4P G24q-3	12 kWh	A+
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	9 kWh	A+
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	9 kWh	A+
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	11 kWh	A+
66999000	LED PLC 8.5W 830 2P G24d-3	11 kWh	A+
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	11 kWh	A+
67001900	LED PLC 8.5W 840 2P G24d-3	11 kWh	A+
66995200	LED PLC 8.5W 865 2P G24d-3	11 kWh	A+

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	9 kWh	A+
67003300	LED PLC 6.5W 830 2P G24d-2	9 kWh	A+
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	9 kWh	A+
67005700	LED PLC 6.5W 840 2P G24d-2	9 kWh	A+
66997600	LED PLC 6.5W 865 2P G24d-2	9 kWh	A+
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	5 kWh	A++
81016300	LED PLC 7.5W 830 2P G24d	8 kWh	A+
81018700	LED PLC 7.5W 840 2P G24d	8 kWh	A+
81020000	LED PLC 7.5W 865 2P G24d	8 kWh	A+
81022400	LED PLC 9W 830 2P G24d	9 kWh	A+
81024800	LED PLC 9W 840 2P G24d	9 kWh	A+
81026200	LED PLC 9W 865 2P G24d	9 kWh	A+

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated)
54115900	CorePro LED PLC 9W 830 4P G24q-3	30000-80000 Hz	20-50 V	9 W
54117300	CorePro LED PLC 9W 840 4P G24q-3	30000-80000 Hz	20-50 V	9 W
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	30000-80000 Hz	20-50 V	6.5 W
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	30000-80000 Hz	20-50 V	6.5 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated)
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
66999000	LED PLC 8.5W 830 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
67001900	LED PLC 8.5W 840 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W

CorePro LED PLC

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
66995200	LED PLC 8.5W 865 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
67003300	LED PLC 6.5W 830 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
67005700	LED PLC 6.5W 840 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
66997600	LED PLC 6.5W 865 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	50 to 60 Hz	220-240 V	4.5 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
81016300	LED PLC 7.5W 830 2P G24d	50 to 60 Hz	220-240 V	7.5 W
81018700	LED PLC 7.5W 840 2P G24d	50 to 60 Hz	220-240 V	7.5 W
81020000	LED PLC 7.5W 865 2P G24d	50 to 60 Hz	220-240 V	7.5 W
81022400	LED PLC 9W 830 2P G24d	50 to 60 Hz	220-240 V	9 W
81024800	LED PLC 9W 840 2P G24d	50 to 60 Hz	220-240 V	9 W
81026200	LED PLC 9W 865 2P G24d	50 to 60 Hz	220-240 V	9 W

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
54115900	CorePro LED PLC 9W 830 4P G24q-3	G24Q-3	30000 h
54117300	CorePro LED PLC 9W 840 4P G24q-3	G24Q-3	30000 h
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	G24Q-2	30000 h
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	G24Q-2	30000 h
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	G24D-3	30000 h
66999000	LED PLC 8.5W 830 2P G24d-3	G24D-3	30000 h
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	G24D-3	30000 h
67001900	LED PLC 8.5W 840 2P G24d-3	G24D-3	30000 h
66995200	LED PLC 8.5W 865 2P G24d-3	G24D-3	30000 h
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	G24D-2	30000 h
67003300	LED PLC 6.5W 830 2P G24d-2	G24D-2	30000 h

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	G24D-2	30000 h
67005700	LED PLC 6.5W 840 2P G24d-2	G24D-2	30000 h
66997600	LED PLC 6.5W 865 2P G24d-2	G24D-2	30000 h
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	G24D-1	30000 h
81016300	LED PLC 7.5W 830 2P G24d	G24D	15000 h
81018700	LED PLC 7.5W 840 2P G24d	G24D	15000 h
81020000	LED PLC 7.5W 865 2P G24d	G24D	15000 h
81022400	LED PLC 9W 830 2P G24d	G24D	15000 h
81024800	LED PLC 9W 840 2P G24d	G24D	15000 h
81026200	LED PLC 9W 865 2P G24d	G24D	15000 h

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)
54115900	CorePro LED PLC 9W 830 4P G24q-3	-	830	3000 K	83	950 lm
54117300	CorePro LED PLC 9W 840 4P G24q-3	-	841	4000 K	83	1000 lm
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	-	830	3000 K	83	650 lm
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	-	841	4000 K	83	700 lm
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	-	830	3000 K	83	950 lm
66999000	LED PLC 8.5W 830 2P G24d-3	-	830	3000 K	83	950 lm
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	-	841	4000 K	83	1000 lm
67001900	LED PLC 8.5W 840 2P G24d-3	-	841	4000 K	83	1000 lm
66995200	LED PLC 8.5W 865 2P G24d-3	-	865	6500 K	83	1000 lm
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	-	830	3000 K	83	650 lm
67003300	LED PLC 6.5W 830 2P G24d-2	-	830	3000 K	83	650 lm
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	-	841	4000 K	83	700 lm
67005700	LED PLC 6.5W 840 2P G24d-2	-	841	4000 K	83	700 lm
66997600	LED PLC 6.5W 865 2P G24d-2	-	865	6500 K	83	700 lm
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	-	841	4000 K	83	500 lm

CorePro LED PLC

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)
81016300	LED PLC 7.5W 830 2P G24d	240 °	830	3000 K	80	750 lm
81018700	LED PLC 7.5W 840 2P G24d	240 °	841	4000 K	80	806 lm
81020000	LED PLC 7.5W 865 2P G24d	240 °	865	6500 K	80	806 lm
81022400	LED PLC 9W 830 2P G24d	240 °	830	3000 K	80	950 lm
81024800	LED PLC 9W 840 2P G24d	240 °	841	4000 K	80	1050 lm
81026200	LED PLC 9W 865 2P G24d	240 °	865	6500 K	80	1050 lm

Temperature

Order Code	Full Product Name	T-Ambient (Max)	T-Case Maximum
			(Nom)
54115900	CorePro LED PLC 9W 830 4P G24q-3	35 °C	76 °C
54117300	CorePro LED PLC 9W 840 4P G24q-3	35 °C	76 °C
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	35 °C	66 °C
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	35 °C	66 °C
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	35 °C	75 °C
66999000	LED PLC 8.5W 830 2P G24d-3	35 °C	75 °C
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	35 °C	75 °C
67001900	LED PLC 8.5W 840 2P G24d-3	35 °C	75 °C
66995200	LED PLC 8.5W 865 2P G24d-3	35 °C	75 °C
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	35 °C	65 °C
67003300	LED PLC 6.5W 830 2P G24d-2	35 °C	65 °C
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	35 °C	65 °C
67005700	LED PLC 6.5W 840 2P G24d-2	35 °C	65 °C
66997600	LED PLC 6.5W 865 2P G24d-2	35 °C	65 °C
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	35 °C	60 °C
81016300	LED PLC 7.5W 830 2P G24d	45 °C	80 °C
81018700	LED PLC 7.5W 840 2P G24d	45 °C	80 °C
81020000	LED PLC 7.5W 865 2P G24d	45 °C	80 °C
81022400	LED PLC 9W 830 2P G24d	45 °C	85 °C
81024800	LED PLC 9W 840 2P G24d	45 °C	85 °C
81026200	LED PLC 9W 865 2P G24d	45 °C	85 °C

