PHILIPS

Lighting



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

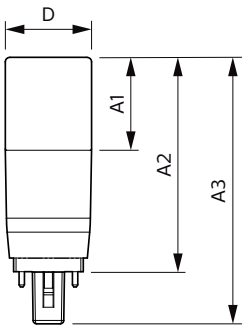
Versions



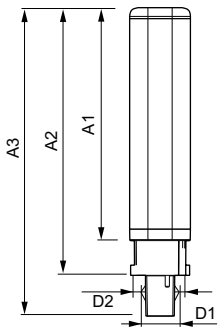




Dimensional drawing



Product	D	A1	A2	A3
LED PLC 7.5W 840 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
LED PLC 9W 865 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 9W 830 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



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

CorePro LED PLC

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	
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
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
929001878908	LED PLC 7.5W 830 2P G24d	8 kWh
929001879008	LED PLC 7.5W 840 2P G24d	8 kWh
929001879108	LED PLC 7.5W 865 2P G24d	8 kWh
929001879208	LED PLC 9W 830 2P G24d	9 kWh
929001879308	LED PLC 9W 840 2P G24d	9 kWh
929001879408	LED PLC 9W 865 2P G24d	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
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

Order Code	Full Product Name	Dimmable
929001878908	LED PLC 7.5W 830 2P G24d	No
929001879008	LED PLC 7.5W 840 2P G24d	No
929001879108	LED PLC 7.5W 865 2P G24d	No
929001879208	LED PLC 9W 830 2P G24d	No
929001879308	LED PLC 9W 840 2P G24d	No
929001879408	LED PLC 9W 865 2P G24d	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
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

Order Code	Full Product Name	Power (Rated) (Nom)
929001878908	LED PLC 7.5W 830 2P G24d	7.5 W
929001879008	LED PLC 7.5W 840 2P G24d	7.5 W
929001879108	LED PLC 7.5W 865 2P G24d	7.5 W
929001879208	LED PLC 9W 830 2P G24d	9 W
929001879308	LED PLC 9W 840 2P G24d	9 W
929001879408	LED PLC 9W 865 2P G24d	9 W

General Information

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
929001201208	LED PLC 8.5W 830 2P G24d-3	G24D-3	30000 h
929001201308	LED PLC 8.5W 840 2P G24d-3	G24D-3	30000 h
929001280108	LED PLC 8.5W 865 2P G24d-3	G24D-3	30000 h
929001201408	LED PLC 6.5W 830 2P G24d-2	G24D-2	30000 h
929001201508	LED PLC 6.5W 840 2P G24d-2	G24D-2	30000 h
929001280208	LED PLC 6.5W 865 2P G24d-2	G24D-2	30000 h

Order Code	Full Product Name	Cap-Base	Nominal Lifetime (Nom)
929001878908	LED PLC 7.5W 830 2P G24d	G24D	15000 h
929001879008	LED PLC 7.5W 840 2P G24d	G24D	15000 h
929001879108	LED PLC 7.5W 865 2P G24d	G24D	15000 h
929001879208	LED PLC 9W 830 2P G24d	G24D	15000 h
929001879308	LED PLC 9W 840 2P G24d	G24D	15000 h
929001879408	LED PLC 9W 865 2P G24d	G24D	15000 h

Light Technical (1/2)

CorePro LED PLC

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
929001201208	LED PLC 8.5W 830 2P G24d-3	-	830	3000 K	83
929001201308	LED PLC 8.5W 840 2P G24d-3	-	840	4000 K	83
929001280108	LED PLC 8.5W 865 2P G24d-3	-	865	6500 K	83
929001201408	LED PLC 6.5W 830 2P G24d-2	-	830	3000 K	83
929001201508	LED PLC 6.5W 840 2P G24d-2	-	840	4000 K	83
929001280208	LED PLC 6.5W 865 2P G24d-2	-	865	6500 K	83

Order Code	Full Product Name	Beam Angle (Nom)	Colour Code	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)
929001878908	LED PLC 7.5W 830 2P G24d	240 °	830	3000 K	80
929001879008	LED PLC 7.5W 840 2P G24d	240 °	840	4000 K	80
929001879108	LED PLC 7.5W 865 2P G24d	240 °	865	6500 K	80
929001879208	LED PLC 9W 830 2P G24d	240 °	830	3000 K	80
929001879308	LED PLC 9W 840 2P G24d	240 °	840	4000 K	80
929001879408	LED PLC 9W 865 2P G24d	240 °	865	6500 K	80

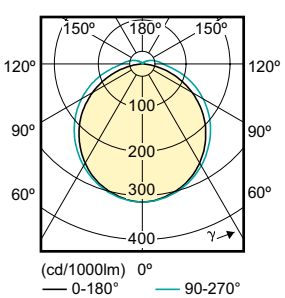
Light Technical (2/2)

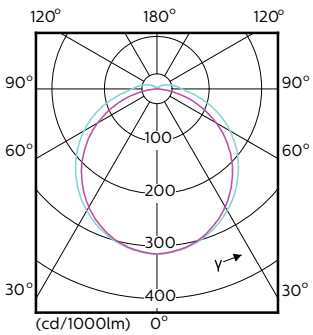
Order Code	Full Product Name	Luminous Flux (Nom)
929001201208	LED PLC 8.5W 830 2P G24d-3	950 lm
929001201308	LED PLC 8.5W 840 2P G24d-3	1000 lm
929001280108	LED PLC 8.5W 865 2P G24d-3	1000 lm
929001201408	LED PLC 6.5W 830 2P G24d-2	650 lm
929001201508	LED PLC 6.5W 840 2P G24d-2	700 lm
929001280208	LED PLC 6.5W 865 2P G24d-2	700 lm

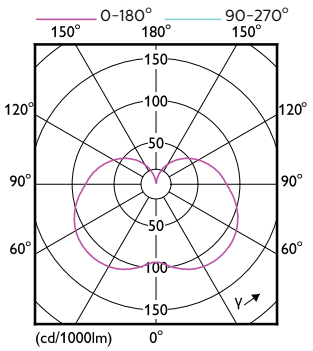
Order Code	Full Product Name	Luminous Flux (Nom)
929001878908	LED PLC 7.5W 830 2P G24d	750 lm
929001879008	LED PLC 7.5W 840 2P G24d	806 lm
929001879108	LED PLC 7.5W 865 2P G24d	806 lm
929001879208	LED PLC 9W 830 2P G24d	950 lm
929001879308	LED PLC 9W 840 2P G24d	1050 lm
929001879408	LED PLC 9W 865 2P G24d	1050 lm

Temperature

Order Code	Full Product Name	T-Ambient (Max)	T-Case Maximum (Nom)
929001201208	LED PLC 8.5W 830 2P G24d-3	35 °C	75 °C
929001201308	LED PLC 8.5W 840 2P G24d-3	35 °C	75 °C
929001280108	LED PLC 8.5W 865 2P G24d-3	35 °C	75 °C
929001201408	LED PLC 6.5W 830 2P G24d-2	35 °C	65 °C
929001201508	LED PLC 6.5W 840 2P G24d-2	35 °C	65 °C
929001280208	LED PLC 6.5W 865 2P G24d-2	35 °C	65 °C
929001878908	LED PLC 7.5W 830 2P G24d	45 °C	80 °C
929001879008	LED PLC 7.5W 840 2P G24d	45 °C	80 °C
929001879108	LED PLC 7.5W 865 2P G24d	45 °C	80 °C
929001879208	LED PLC 9W 830 2P G24d	45 °C	85 °C
929001879308	LED PLC 9W 840 2P G24d	45 °C	85 °C
929001879408	LED PLC 9W 865 2P G24d	45 °C	85 °C









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