



The new generation of energy-saving LED PLC tube lighting

CorePro LED PLC

Philips CorePro LED PLC is the ideal uplampping 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 cost thanks to lower energy consumption than conventional PLC lamps, as well as lower maintenance cost thanks to 2-3 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
- Fastest and easiest way to upgrade existing luminaires to LED technology

Features

- Shatter-proof plastic
- High quality of light, no flickering or stroboscoping effect
- Instant 100% light
- Rotating end-caps
- Choice of 3000 K and 4000 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 stores, hospitality venues and home applications.

Warnings and Safety

- NOTES: The overall energy efficiency and light distribution of any installation that uses these lamps are determined by the design of the installation.

Versions



G24d-3



G24d-2

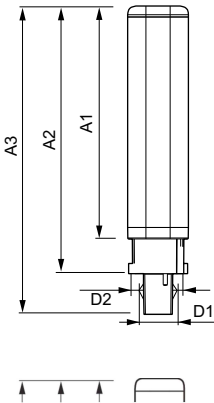


G24D-1



G24D-1

Dimensional drawing

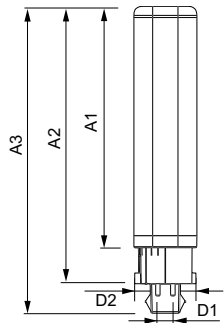


Product	D1	D2	A1	A2	A3
LED PLC 8.5W 830 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm
CorePro LED PLC 4.5W 830 2P G24d-1	24.3 mm	28.4 mm	95.8 mm	115 mm	137.6 mm

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

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Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 4.5W 830 4P G24q-1	24.3 mm	28.4 mm	95.8 mm	115 mm	130.6 mm

Controls and Dimming

Dimmable	No
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Operating and Electrical

Starting Time (Nom)	0.5 s
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General Information

Nominal Lifetime (Nom)	30000 h
Switching Cycle	50000X

Light Technical

Color Code	830
Correlated Color Temperature (Nom)	3000 K
Color 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)
345660	LED PLC 8.5W 830 2P G24d-3	11 kWh	A+
345652	LED PLC 6.5W 830 2P G24d-2	9 kWh	A+
345645	CorePro LED PLC 4.5W 830 2P G24d-1	5 kWh	A++
345678	CorePro LED PLC 4.5W 830 4P G24q-1	6 kWh	A+

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
345660	LED PLC 8.5W 830 2P G24d-3	50 to 60 Hz	220-240 V	8.5 W
345652	LED PLC 6.5W 830 2P G24d-2	50 to 60 Hz	220-240 V	6.5 W

Order Code	Full Product Name	Input Frequency	Voltage (Nom)	Power (Rated) (Nom)
345645	CorePro LED PLC 4.5W 830 2P G24d-1	50 to 60 Hz	220-240 V	4.5 W
345678	CorePro LED PLC 4.5W 830 4P G24q-1	30000-80000 Hz	20-50 V	4.5 W

General Information

Order Code	Full Product Name	Cap-Base
345660	LED PLC 8.5W 830 2P G24d-3	G24D-3
345652	LED PLC 6.5W 830 2P G24d-2	G24D-2

Order Code	Full Product Name	Cap-Base
345645	CorePro LED PLC 4.5W 830 2P G24d-1	G24D-1
345678	CorePro LED PLC 4.5W 830 4P G24q-1	G24Q-1

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Light Technical

Order Code	Full Product Name	Luminous Flux (Nom)
345660	LED PLC 8.5W 830 2P G24d-3	950 lm
345652	LED PLC 6.5W 830 2P G24d-2	650 lm

Order Code	Full Product Name	Luminous Flux (Nom)
345645	CorePro LED PLC 4.5W 830 2P G24d-1	475 lm
345678	CorePro LED PLC 4.5W 830 4P G24q-1	475 lm

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
345660	LED PLC 8.5W 830 2P G24d-3	75 °C
345652	LED PLC 6.5W 830 2P G24d-2	65 °C
345645	CorePro LED PLC 4.5W 830 2P G24d-1	60 °C
345678	CorePro LED PLC 4.5W 830 4P G24q-1	60 °C

