PHILIPS Lighting



The new generation of energy-saving LED PLC 4P tube lighting

CorePro LED PLC 4P

The CorePro LED PLC 4P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

Benefits

- \cdot Reduced operational cost thanks to lower energy consumption
- Lower maintenance cost thanks to 2-3 times longer lifetime than conventional lamps
- Fastest and easiest way to upgrade existing luminaires to LED technology
- Completely safe product and installation process

Features

- Highly energy-efficient
- \cdot Easy installation
- Conventional form factor to fit into existing luminaires
- No mercury

Application

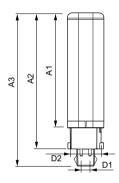
Hospitality, retail, office, industrial and home applications

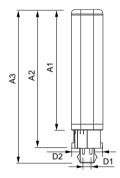
CorePro LED PLC 4P

Versions



Dimensional drawing





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

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 G24g-3	24.3 mm	28.4 mm	128.8 mm	148 mm	163.6 mm

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General Information	
Switching Cycle	50,000
Nominal lifetime	30,000 hour(s)
Light Technical	
Beam Angle (Nom)	120 degree(s)
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Input Frequency	30000-80000 Hz
Line Frequency	30000-80000 Hz
Starting Time (Nom)	0.5 s
Temperature	
Ambient temperature range	-20 °C to 35 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	PL-C

General Information

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

Light Technical

		Correlated Color		
		Temperature	Color	
Order Code	Full Product Name	(Nom)	Code	Luminous Flux
929001201002	CorePro LED PLC 6.5W	3000 K	830	650 lm
	830 4P G24q-2			
929001201102	CorePro LED PLC 6.5W	4000 K	840	700 lm
	840 4P G24q-2			

		Correlated Color		
		Temperature	Color	
Order Code	Full Product Name	(Nom)	Code	Luminous Flux
929001200802	CorePro LED PLC 9W	3000 K	830	950 lm
	830 4P G24q-3			
929001200902	CorePro LED PLC 9W	4000 K	840	1,000 lm
	840 4P G24q-3			

Operating and Electrical

Order Code	Full Product Name	Power Consumption
929001201002	CorePro LED PLC 6.5W 830 4P G24q-2	6.5 W
929001201102	CorePro LED PLC 6.5W 840 4P G24q-2	6.5 W

Order Code	Full Product Name	Power Consumption
929001200802	CorePro LED PLC 9W 830 4P G24q-3	9 W
929001200902	CorePro LED PLC 9W 840 4P G24q-3	9 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001201002	CorePro LED PLC 6.5W 830 4P G24q-2	66 °C
929001201102	CorePro LED PLC 6.5W 840 4P G24q-2	66 °C

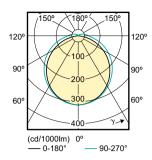
Order Code	Full Product Name	T-Case Maximum (Nom)
929001200802	CorePro LED PLC 9W 830 4P G24q-3	76 °C
929001200902	CorePro LED PLC 9W 840 4P G24q-3	76 °C

Approval and Application

		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
929001201002	CorePro LED PLC 6.5W 830 4P G24q-2	7 kWh
929001201102	CorePro LED PLC 6.5W 840 4P G24q-2	7 kWh

		Energy Consumption kWh/
Order Code	Full Product Name	1000 h
929001200802	CorePro LED PLC 9W 830 4P G24q-3	9 kWh
929001200902	CorePro LED PLC 9W 840 4P G24q-3	9 kWh

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