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

· 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
· Easy installation
· Conventional form factor to fit into existing luminaires
· No mercury

Application

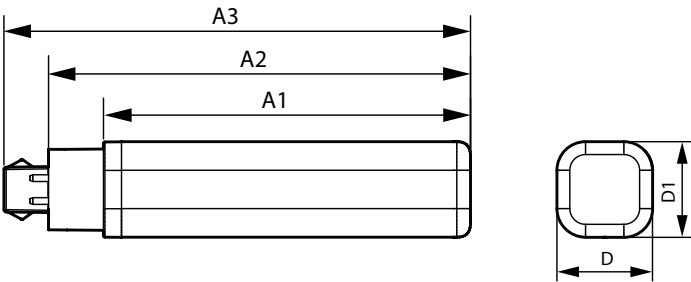· Hospitality, retail, office, industrial and home applications

CorePro LED PLC 4P
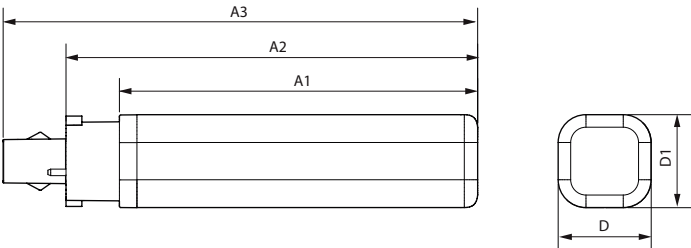
Versions

SPPR MLEDGA 0026

Dimensional drawing

Product	D1	D	A1	A2	A3
CorePro LED PLC 6.5W 830 4P G24q-2	34 mm	34 mm	105 mm	125 mm	141 mm
CorePro LED PLC 6.5W 840 4P G24q-2	34 mm	34 mm	105 mm	125 mm	141 mm
CorePro LED PLC 9W 830 4P G24q-3	34 mm	34 mm	129 mm	148 mm	164 mm
CorePro LED PLC 9W 840 4P G24q-3	34 mm	34 mm	129 mm	148 mm	164 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLC 5.5W 830 4P G24q-1	34 mm	34 mm	109 mm	128 mm	144 mm
CorePro LED PLC 5.5W 840 4P G24q-1	34 mm	34 mm	109 mm	128 mm	144 mm
CorePro LED PLC 6.5W 830 4P G24q-2	34 mm	34 mm	109 mm	128 mm	144 mm
CorePro LED PLC 6.5W 840 4P G24q-2	34 mm	34 mm	109 mm	128 mm	144 mm
CorePro LED PLC 9.5W 830 4P G24q-3	34 mm	34 mm	129 mm	148 mm	164 mm
CorePro LED PLC 9.5W 840 4P G24q-3	34 mm	34 mm	129 mm	148 mm	164 mm

CorePro LED PLC 4P

General Information	
Nominal lifetime	30,000 hour(s)
Light Technical	
Beam Angle (Nom)	120 degree(s)
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Starting Time (Nom)	0.5 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	PL-C

General Information

Order Code	Full Product Name	Cap-Base	Switching Cycle
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	G24q-2	50,000
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	G24q-2	50,000
54115900	CorePro LED PLC 9W 830 4P G24q-3	G24q-3	50,000
54117300	CorePro LED PLC 9W 840 4P G24q-3	G24q-3	50,000
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	G24q-1 ROT	200,000

Order Code	Full Product Name	Cap-Base	Switching Cycle
29043300	CorePro LED PLC 5.5W 840 4P G24q-1	G24q-1 ROT	200,000
29045700	CorePro LED PLC 6.5W 830 4P G24q-2	G24q-2 ROT	200,000
29047100	CorePro LED PLC 6.5W 840 4P G24q-2	G24q-2 ROT	200,000
29049500	CorePro LED PLC 9.5W 830 4P G24q-3	G24q-3 ROT	200,000
29051800	CorePro LED PLC 9.5W 840 4P G24q-3	G24q-3 ROT	200,000

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	3000 K	83	830	650 lm
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	4000 K	83	840	700 lm
54115900	CorePro LED PLC 9W 830 4P G24q-3	3000 K	83	830	950 lm
54117300	CorePro LED PLC 9W 840 4P G24q-3	4000 K	83	840	1,000 lm
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	3000 K	82	830	600 lm
29043300	CorePro LED PLC 5.5W 840 4P G24q-1	4000 K	82	840	660 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
29045700	CorePro LED PLC 6.5W 830 4P G24q-2	3000 K	82	830	700 lm
29047100	CorePro LED PLC 6.5W 840 4P G24q-2	4000 K	82	840	770 lm
29049500	CorePro LED PLC 9.5W 830 4P G24q-3	3000 K	82	830	990 lm
29051800	CorePro LED PLC 9.5W 840 4P G24q-3	4000 K	82	840	1,100 lm

Operating and Electrical

CorePro LED PLC 4P

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption		Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	30000–80000 Hz	30000–80000 Hz	6.5 W		29043300	CorePro LED PLC 5.5W 840 4P G24q-1	50 to 60 Hz	–	5.5 W
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	30000–80000 Hz	30000–80000 Hz	6.5 W		29045700	CorePro LED PLC 6.5W 830 4P G24q-2	50 to 60 Hz	–	6.5 W
54115900	CorePro LED PLC 9W 830 4P G24q-3	30000–80000 Hz	30000–80000 Hz	9 W		29047100	CorePro LED PLC 6.5W 840 4P G24q-2	50 to 60 Hz	–	6.5 W
54117300	CorePro LED PLC 9W 840 4P G24q-3	30000–80000 Hz	30000–80000 Hz	9 W		29049500	CorePro LED PLC 9.5W 830 4P G24q-3	50 to 60 Hz	–	9.5 W
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	50 to 60 Hz	–	5.5 W		29051800	CorePro LED PLC 9.5W 840 4P G24q-3	50 to 60 Hz	–	9.5 W

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)		Order Code	Full Product Name	T-Case Maximum (Nom)
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	66 °C		29043300	CorePro LED PLC 5.5W 840 4P G24q-1	70 °C
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	66 °C		29045700	CorePro LED PLC 6.5W 830 4P G24q-2	70 °C
54115900	CorePro LED PLC 9W 830 4P G24q-3	76 °C		29047100	CorePro LED PLC 6.5W 840 4P G24q-2	70 °C
54117300	CorePro LED PLC 9W 840 4P G24q-3	76 °C		29049500	CorePro LED PLC 9.5W 830 4P G24q-3	75 °C
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	70 °C		29051800	CorePro LED PLC 9.5W 840 4P G24q-3	75 °C

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish		Order Code	Full Product Name	Bulb Finish
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	–		29043300	CorePro LED PLC 5.5W 840 4P G24q-1	Frosted
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	–		29045700	CorePro LED PLC 6.5W 830 4P G24q-2	Frosted
54115900	CorePro LED PLC 9W 830 4P G24q-3	–		29047100	CorePro LED PLC 6.5W 840 4P G24q-2	Frosted
54117300	CorePro LED PLC 9W 840 4P G24q-3	–		29049500	CorePro LED PLC 9.5W 830 4P G24q-3	Frosted
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	Frosted		29051800	CorePro LED PLC 9.5W 840 4P G24q-3	Frosted

Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/ 1000 h		Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/ 1000 h
54119700	CorePro LED PLC 6.5W 830 4P G24q-2	–20 °C to 35 °C	7 kWh		29043300	CorePro LED PLC 5.5W 840 4P G24q-1	–20 to +45 °C	6 kWh
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	–20 °C to 35 °C	7 kWh		29045700	CorePro LED PLC 6.5W 830 4P G24q-2	–20 to +45 °C	7 kWh
54115900	CorePro LED PLC 9W 830 4P G24q-3	–20 °C to 35 °C	9 kWh		29047100	CorePro LED PLC 6.5W 840 4P G24q-2	–20 to +45 °C	7 kWh
54117300	CorePro LED PLC 9W 840 4P G24q-3	–20 °C to 35 °C	9 kWh		29049500	CorePro LED PLC 9.5W 830 4P G24q-3	–20 to +45 °C	10 kWh
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	–20 to +45 °C	6 kWh		29051800	CorePro LED PLC 9.5W 840 4P G24q-3	–20 to +45 °C	10 kWh

CorePro LED PLC 4P

www.lighting.philips.com

2024, August 30 – data subject to change