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
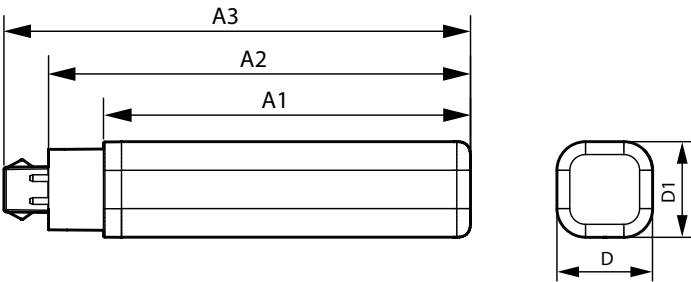
Versions

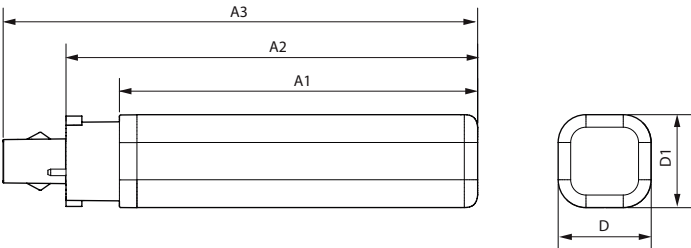**CorePro LED PLC 100mm 5W G24Q-1**

SPPR MLEDGA 0026

SPPR_MLEDGA_0028-Product photo

Dimensional drawing

Product	D1	D	A1	A2	A3
CorePro LED PLC 4.5W 830 4P G24q-1	34 mm	34 mm	95 mm	115 mm	131 mm
CorePro LED PLC 4.5W 840 4P G24q-1	34 mm	34 mm	95 mm	115 mm	131 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
70663300	CorePro LED PLC 4.5W 830 4P G24q-1	G24q-1	50,000
70665700	CorePro LED PLC 4.5W 840 4P G24q-1	G24q-1	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
70663300	CorePro LED PLC 4.5W 830 4P G24q-1	3000 K	83	830	475 lm
70665700	CorePro LED PLC 4.5W 840 4P G24q-1	4000 K	83	840	500 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

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
29043300	CorePro LED PLC 5.5W 840 4P G24q-1	4000 K	82	840	660 lm
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
70663300	CorePro LED PLC 4.5W 830 4P G24q-1	30000-80000 Hz	30000-80000 Hz	4.5 W	29043300	CorePro LED PLC 5.5W 840 4P G24q-1	50 to 60 Hz	–	5.5 W
70665700	CorePro LED PLC 4.5W 840 4P G24q-1	30000-80000 Hz	30000-80000 Hz	4.5 W	29045700	CorePro LED PLC 6.5W 830 4P G24q-2	50 to 60 Hz	–	6.5 W
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	30000-80000 Hz	30000-80000 Hz	6.5 W	29047100	CorePro LED PLC 6.5W 840 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	29049500	CorePro LED PLC 9.5W 830 4P G24q-3	50 to 60 Hz	–	9.5 W
54117300	CorePro LED PLC 9W 840 4P G24q-3	30000-80000 Hz	30000-80000 Hz	9 W	29051800	CorePro LED PLC 9.5W 840 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					

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)	Order Code	Full Product Name	T-Case Maximum (Nom)
70663300	CorePro LED PLC 4.5W 830 4P G24q-1	60 ℃	29043300	CorePro LED PLC 5.5W 840 4P G24q-1	70 ℃
70665700	CorePro LED PLC 4.5W 840 4P G24q-1	60 ℃	29045700	CorePro LED PLC 6.5W 830 4P G24q-2	70 ℃
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	66 ℃	29047100	CorePro LED PLC 6.5W 840 4P G24q-2	70 ℃
54115900	CorePro LED PLC 9W 830 4P G24q-3	76 ℃	29049500	CorePro LED PLC 9.5W 830 4P G24q-3	75 ℃
54117300	CorePro LED PLC 9W 840 4P G24q-3	76 ℃	29051800	CorePro LED PLC 9.5W 840 4P G24q-3	75 ℃
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	70 ℃			

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish	Order Code	Full Product Name	Bulb Finish
70663300	CorePro LED PLC 4.5W 830 4P G24q-1	–	29043300	CorePro LED PLC 5.5W 840 4P G24q-1	Frosted
70665700	CorePro LED PLC 4.5W 840 4P G24q-1	–	29045700	CorePro LED PLC 6.5W 830 4P G24q-2	Frosted
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	–	29047100	CorePro LED PLC 6.5W 840 4P G24q-2	Frosted
54115900	CorePro LED PLC 9W 830 4P G24q-3	–	29049500	CorePro LED PLC 9.5W 830 4P G24q-3	Frosted
54117300	CorePro LED PLC 9W 840 4P G24q-3	–	29051800	CorePro LED PLC 9.5W 840 4P G24q-3	Frosted
29041900	CorePro LED PLC 5.5W 830 4P G24q-1	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
70663300	CorePro LED PLC 4.5W 830 4P G24q-1	–20 ℃ to 35 ℃	5 kWh	54115900	CorePro LED PLC 9W 830 4P G24q-3	–20 ℃ to 35 ℃	9 kWh
70665700	CorePro LED PLC 4.5W 840 4P G24q-1	–20 ℃ to 35 ℃	5 kWh	54117300	CorePro LED PLC 9W 840 4P G24q-3	–20 ℃ to 35 ℃	9 kWh
54121000	CorePro LED PLC 6.5W 840 4P G24q-2	–20 ℃ to 35 ℃	7 kWh	29041900	CorePro LED PLC 5.5W 830 4P G24q-1	–20 to +45 ℃	6 kWh

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

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2024, August 30 – data subject to change