



The new generation of energy-saving LED PLC 2P tube lighting

CorePro LED PLC 2P

CorePro LED PLC 2P 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

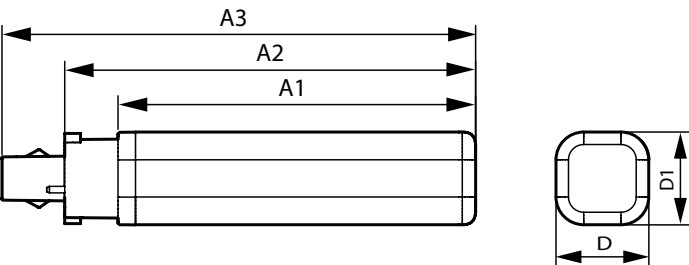
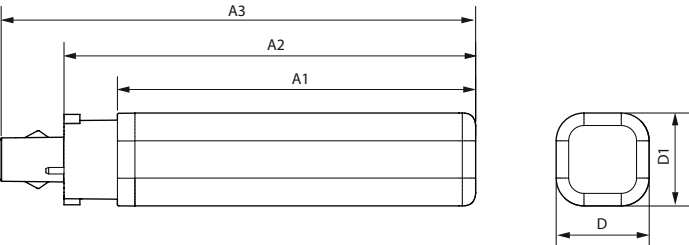
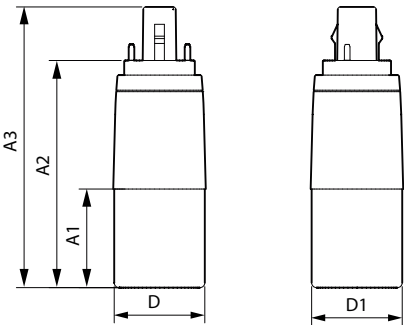
- Highly energy-efficient
- Easy installation
- Conventional form factor to fit into existing luminaires
- No mercury

Application

- Hospitality, retail, office, industrial and home applications

CorePro LED PLC 2P

Dimensional drawing



Product	D1	D	A1	A2	A3
LED PLC 7.5W 830 2P G24d	38 mm	38 mm	40 mm	93 mm	115 mm
LED PLC 7.5W 840 2P G24d	38 mm	38 mm	40 mm	93 mm	115 mm
LED PLC 7.5W 865 2P G24d	38 mm	38 mm	40 mm	93 mm	115 mm
LED PLC 9W 830 2P G24d	38 mm	38 mm	40 mm	93 mm	115 mm
LED PLC 9W 840 2P G24d	38 mm	38 mm	40 mm	93 mm	115 mm
LED PLC 9W 865 2P G24d	38 mm	38 mm	40 mm	93 mm	115 mm

Product	D1	D2	A1	A2	A3
CorePro LED PLC 5.9W 830 2P G24d-1	34 mm		95 mm	115 mm	138 mm
CorePro LED PLC 5.9W 840 2P G24d-1	34 mm		95 mm	115 mm	138 mm
CorePro LED PLC 6.9W 830 2P G24d-2	34 mm		106 mm	125 mm	148 mm
CorePro LED PLC 6.9W 840 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
CorePro LED PLC 8.9W 830 2P G24d-3	34 mm		129 mm	148 mm	171 mm
CorePro LED PLC 8.9W 840 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm
LED PLC 6.9W 840 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
LED PLC 8.9W 830 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm
LED PLC 8.9W 840 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm

Product	D1	D	A1	A2	A3
CorePro LED PLC 4.5W 840 2P G24d-1	34 mm	34 mm	95 mm	115 mm	138 mm
CorePro LED PLC 6.5W 830 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
CorePro LED PLC 6.5W 840 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
CorePro LED PLC 8.5W 830 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm
CorePro LED PLC 8.5W 840 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm
LED PLC 6.5W 830 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
LED PLC 6.5W 840 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
LED PLC 6.5W 865 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
LED PLC 8.5W 830 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm
LED PLC 8.5W 865 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm

CorePro LED PLC 2P

General Information	
Switching Cycle	50,000
Light Technical	
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
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	Nominal lifetime	Order Code	Full Product Name	Cap-Base	Nominal lifetime
81016300	LED PLC 7.5W 830 2P G24d	G24d	15,000 hour(s)	66997600	LED PLC 6.5W 865 2P G24d-2	G24d-2	30,000 hour(s)
81018700	LED PLC 7.5W 840 2P G24d	G24d	15,000 hour(s)	28754900	CorePro LED PLC 6.9W 830 2P G24d-2	G24d-2	30,000 hour(s)
81020000	LED PLC 7.5W 865 2P G24d	G24d	15,000 hour(s)	28756300	CorePro LED PLC 6.9W 840 2P G24d-2	G24d-2	30,000 hour(s)
81022400	LED PLC 9W 830 2P G24d	G24d	15,000 hour(s)	29644200	LED PLC 6.9W 840 2P G24d-2	G24d-2	30,000 hour(s)
81024800	LED PLC 9W 840 2P G24d	G24d	15,000 hour(s)	54123400	CorePro LED PLC 8.5W 830 2P G24d-3	G24d-3	30,000 hour(s)
81026200	LED PLC 9W 865 2P G24d	G24d	15,000 hour(s)	66999000	LED PLC 8.5W 830 2P G24d-3	G24d-3	30,000 hour(s)
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	G24d-1	30,000 hour(s)	54125800	CorePro LED PLC 8.5W 840 2P G24d-3	G24d-3	30,000 hour(s)
28750100	CorePro LED PLC 5.9W 830 2P G24d-1	G24d-1	30,000 hour(s)	66995200	LED PLC 8.5W 865 2P G24d-3	G24d-3	30,000 hour(s)
28752500	CorePro LED PLC 5.9W 840 2P G24d-1	G24d-1	30,000 hour(s)	28758700	CorePro LED PLC 8.9W 830 2P G24d-3	G24d-3	30,000 hour(s)
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	G24d-2	30,000 hour(s)	29646600	LED PLC 8.9W 830 2P G24d-3	G24d-3	30,000 hour(s)
67003300	LED PLC 6.5W 830 2P G24d-2	G24d-2	30,000 hour(s)	28760000	CorePro LED PLC 8.9W 840 2P G24d-3	G24d-3	30,000 hour(s)
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	G24d-2	30,000 hour(s)	29648000	LED PLC 8.9W 840 2P G24d-3	G24d-3	30,000 hour(s)
67005700	LED PLC 6.5W 840 2P G24d-2	G24d-2	30,000 hour(s)				

Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
81016300	LED PLC 7.5W 830 2P G24d	240 degree(s)	3000 K	80	830	750 lm
81018700	LED PLC 7.5W 840 2P G24d	240 degree(s)	4000 K	80	840	806 lm
81020000	LED PLC 7.5W 865 2P G24d	240 degree(s)	6500 K	80	865	806 lm
81022400	LED PLC 9W 830 2P G24d	240 degree(s)	3000 K	80	830	950 lm
81024800	LED PLC 9W 840 2P G24d	240 degree(s)	4000 K	80	840	1,050 lm
81026200	LED PLC 9W 865 2P G24d	240 degree(s)	6500 K	80	865	1,050 lm
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	120 degree(s)	4000 K	83	840	500 lm
28750100	CorePro LED PLC 5.9W 830 2P G24d-1	120 degree(s)	3000 K	82	830	600 lm
28752500	CorePro LED PLC 5.9W 840 2P G24d-1	120 degree(s)	4000 K	82	840	660 lm
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	120 degree(s)	3000 K	83	830	650 lm
67003300	LED PLC 6.5W 830 2P G24d-2	120 degree(s)	3000 K	83	830	650 lm
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	120 degree(s)	4000 K	83	840	700 lm
67005700	LED PLC 6.5W 840 2P G24d-2	120 degree(s)	4000 K	83	840	700 lm
66997600	LED PLC 6.5W 865 2P G24d-2	120 degree(s)	6500 K	83	865	700 lm
28754900	CorePro LED PLC 6.9W 830 2P G24d-2	120 degree(s)	3000 K	82	830	700 lm

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Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Color Code	Luminous Flux
28756300	CorePro LED PLC 6.9W 840 2P G24d-2	120 degree(s)	4000 K	82	840	770 lm
29644200	LED PLC 6.9W 840 2P G24d-2	120 degree(s)	4000 K	82	840	770 lm
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	120 degree(s)	3000 K	83	830	950 lm
66999000	LED PLC 8.5W 830 2P G24d-3	120 degree(s)	3000 K	83	830	950 lm
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	120 degree(s)	4000 K	83	840	1,000 lm
66995200	LED PLC 8.5W 865 2P G24d-3	120 degree(s)	6500 K	83	865	1,000 lm
28758700	CorePro LED PLC 8.9W 830 2P G24d-3	120 degree(s)	3000 K	82	830	990 lm
29646600	LED PLC 8.9W 830 2P G24d-3	120 degree(s)	3000 K	82	830	990 lm
28760000	CorePro LED PLC 8.9W 840 2P G24d-3	120 degree(s)	4000 K	82	840	1,100 lm
29648000	LED PLC 8.9W 840 2P G24d-3	120 degree(s)	4000 K	82	840	1,100 lm

Operating and Electrical

			Power	Wattage				Power	Wattage
Order Code	Full Product Name	Line Frequency	Consumption	Equivalent	Order Code	Full Product Name	Line Frequency	Consumption	Equivalent
81016300	LED PLC 7.5W 830 2P G24d	50 to 60 Hz	7.5 W	-	66997600	LED PLC 6.5W 865 2P G24d-2	50 to 60 Hz	6.5 W	-
81018700	LED PLC 7.5W 840 2P G24d	50 to 60 Hz	7.5 W	-	28754900	CorePro LED PLC 6.9W 830 2P G24d-2	-	6.9 W	-
81020000	LED PLC 7.5W 865 2P G24d	50 to 60 Hz	7.5 W	-	28756300	CorePro LED PLC 6.9W 840 2P G24d-2	-	6.9 W	-
81022400	LED PLC 9W 830 2P G24d	50 to 60 Hz	9 W	-	29644200	LED PLC 6.9W 840 2P G24d-2	-	6.9 W	18 W
81024800	LED PLC 9W 840 2P G24d	50 to 60 Hz	9 W	-	54123400	CorePro LED PLC 8.5W 830 2P G24d-3	50 to 60 Hz	8.5 W	-
81026200	LED PLC 9W 865 2P G24d	50 to 60 Hz	9 W	-	66999000	LED PLC 8.5W 830 2P G24d-3	50 to 60 Hz	8.5 W	-
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	50 to 60 Hz	4.5 W	-	54125800	CorePro LED PLC 8.5W 840 2P G24d-3	50 to 60 Hz	8.5 W	-
28750100	CorePro LED PLC 5.9W 830 2P G24d-1	-	5.9 W	-	66995200	LED PLC 8.5W 865 2P G24d-3	50 to 60 Hz	8.5 W	-
28752500	CorePro LED PLC 5.9W 840 2P G24d-1	-	5.9 W	-	28758700	CorePro LED PLC 8.9W 830 2P G24d-3	-	8.9 W	-
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	50 to 60 Hz	6.5 W	-	29646600	LED PLC 8.9W 830 2P G24d-3	-	8.9 W	26 W
67003300	LED PLC 6.5W 830 2P G24d-2	50 to 60 Hz	6.5 W	-	28760000	CorePro LED PLC 8.9W 840 2P G24d-3	-	8.9 W	-
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	50 to 60 Hz	6.5 W	-	29648000	LED PLC 8.9W 840 2P G24d-3	-	8.9 W	26 W
67005700	LED PLC 6.5W 840 2P G24d-2	50 to 60 Hz	6.5 W	-					

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)	Order Code	Full Product Name	T-Case Maximum (Nom)
81016300	LED PLC 7.5W 830 2P G24d	64 °C	70661900	CorePro LED PLC 4.5W 840 2P G24d-1	60 °C
81018700	LED PLC 7.5W 840 2P G24d	64 °C	28750100	CorePro LED PLC 5.9W 830 2P G24d-1	75 °C
81020000	LED PLC 7.5W 865 2P G24d	64 °C	28752500	CorePro LED PLC 5.9W 840 2P G24d-1	75 °C
81022400	LED PLC 9W 830 2P G24d	72 °C	54127200	CorePro LED PLC 6.5W 830 2P G24d-2	65 °C
81024800	LED PLC 9W 840 2P G24d	72 °C	67003300	LED PLC 6.5W 830 2P G24d-2	65 °C
81026200	LED PLC 9W 865 2P G24d	72 °C	54129600	CorePro LED PLC 6.5W 840 2P G24d-2	65 °C

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Order Code	Full Product Name	T-Case Maximum (Nom)
67005700	LED PLC 6.5W 840 2P G24d-2	65 °C
66997600	LED PLC 6.5W 865 2P G24d-2	65 °C
28754900	CorePro LED PLC 6.9W 830 2P G24d-2	75 °C
28756300	CorePro LED PLC 6.9W 840 2P G24d-2	75 °C
29644200	LED PLC 6.9W 840 2P G24d-2	75 °C
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	75 °C
66999000	LED PLC 8.5W 830 2P G24d-3	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	75 °C
66995200	LED PLC 8.5W 865 2P G24d-3	75 °C
28758700	CorePro LED PLC 8.9W 830 2P G24d-3	75 °C
29646600	LED PLC 8.9W 830 2P G24d-3	75 °C
28760000	CorePro LED PLC 8.9W 840 2P G24d-3	75 °C
29648000	LED PLC 8.9W 840 2P G24d-3	75 °C

Mechanical and Housing

Order Code	Full Product Name	Bulb Finish
81016300	LED PLC 7.5W 830 2P G24d	-
81018700	LED PLC 7.5W 840 2P G24d	-
81020000	LED PLC 7.5W 865 2P G24d	-
81022400	LED PLC 9W 830 2P G24d	-
81024800	LED PLC 9W 840 2P G24d	-
81026200	LED PLC 9W 865 2P G24d	-
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	-
28750100	CorePro LED PLC 5.9W 830 2P G24d-1	Frosted
28752500	CorePro LED PLC 5.9W 840 2P G24d-1	Frosted
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	-
67003300	LED PLC 6.5W 830 2P G24d-2	-
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	-
67005700	LED PLC 6.5W 840 2P G24d-2	-

Order Code	Full Product Name	Bulb Finish
66997600	LED PLC 6.5W 865 2P G24d-2	-
28754900	CorePro LED PLC 6.9W 830 2P G24d-2	Frosted
28756300	CorePro LED PLC 6.9W 840 2P G24d-2	Frosted
29644200	LED PLC 6.9W 840 2P G24d-2	Frosted
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	-
66999000	LED PLC 8.5W 830 2P G24d-3	-
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	-
66995200	LED PLC 8.5W 865 2P G24d-3	-
28758700	CorePro LED PLC 8.9W 830 2P G24d-3	Frosted
29646600	LED PLC 8.9W 830 2P G24d-3	Frosted
28760000	CorePro LED PLC 8.9W 840 2P G24d-3	Frosted
29648000	LED PLC 8.9W 840 2P G24d-3	Frosted

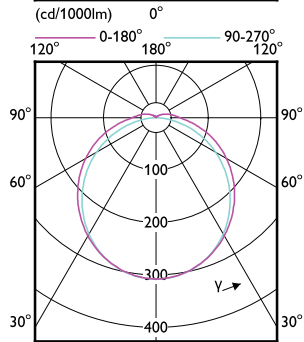
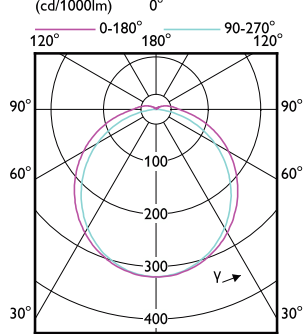
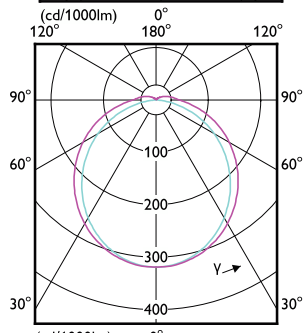
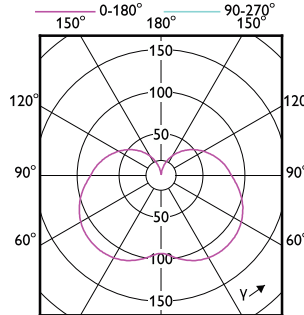
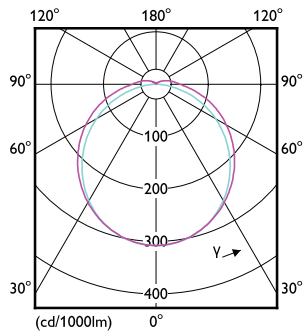
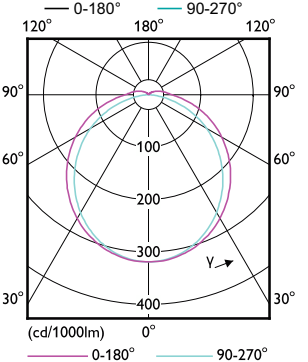
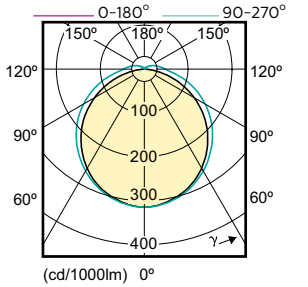
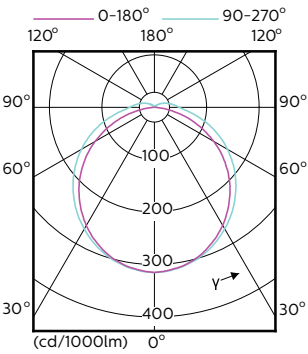
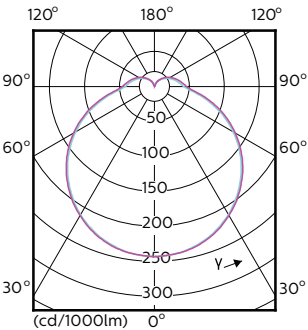
Approval and Application

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
81016300	LED PLC 7.5W 830 2P G24d	-20 °C to 45 °C	-
81018700	LED PLC 7.5W 840 2P G24d	-20 °C to 45 °C	-
81020000	LED PLC 7.5W 865 2P G24d	-20 °C to 45 °C	-
81022400	LED PLC 9W 830 2P G24d	-20 °C to 45 °C	-
81024800	LED PLC 9W 840 2P G24d	-20 °C to 45 °C	-
81026200	LED PLC 9W 865 2P G24d	-20 °C to 45 °C	-
70661900	CorePro LED PLC 4.5W 840 2P G24d-1	-20 °C to 35 °C	5 kWh
28750100	CorePro LED PLC 5.9W 830 2P G24d-1	-20 to +35 °C	6 kWh
28752500	CorePro LED PLC 5.9W 840 2P G24d-1	-20 to +35 °C	6 kWh
54127200	CorePro LED PLC 6.5W 830 2P G24d-2	-20 °C to 35 °C	7 kWh
67003300	LED PLC 6.5W 830 2P G24d-2	-20 °C to 35 °C	9 kWh
54129600	CorePro LED PLC 6.5W 840 2P G24d-2	-20 °C to 35 °C	7 kWh

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
67005700	LED PLC 6.5W 840 2P G24d-2	-20 °C to 35 °C	9 kWh
66997600	LED PLC 6.5W 865 2P G24d-2	-20 °C to 35 °C	9 kWh
28754900	CorePro LED PLC 6.9W 830 2P G24d-2	-20 to +35 °C	7 kWh
28756300	CorePro LED PLC 6.9W 840 2P G24d-2	-20 to +35 °C	7 kWh
29644200	LED PLC 6.9W 840 2P G24d-2	-20 to +35 °C	-
54123400	CorePro LED PLC 8.5W 830 2P G24d-3	-20 °C to 35 °C	9 kWh
66999000	LED PLC 8.5W 830 2P G24d-3	-20 °C to 35 °C	11 kWh
54125800	CorePro LED PLC 8.5W 840 2P G24d-3	-20 °C to 35 °C	9 kWh
66995200	LED PLC 8.5W 865 2P G24d-3	-20 °C to 35 °C	11 kWh
28758700	CorePro LED PLC 8.9W 830 2P G24d-3	-20 to +35 °C	9 kWh

CorePro LED PLC 2P

Order Code	Full Product Name	Ambient temperature range	Energy Consumption kWh/1000 h
29646600	LED PLC 8.9W 830 2P G24d-3	-20 to +35 °C	-
28760000	CorePro LED PLC 8.9W 840 2P G24d-3	-20 to +35 °C	9 kWh
29648000	LED PLC 8.9W 840 2P G24d-3	-20 to +35 °C	-



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