PHILIPS Lighting



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

- \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
- \cdot Conventional form factor to fit into existing luminaires
- No mercury

Application

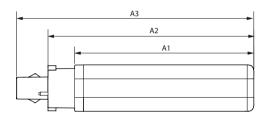
 $\boldsymbol{\cdot}$ Hospitality, retail, office, industrial and home applications

Versions



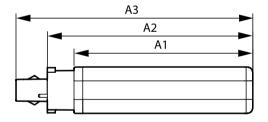
SPPR MLEDGA 0025

Dimensional drawing





Product	D1	D2	A1	A2	A3
LED PLC 6.9W 830 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
LED PLC 6.9W 840 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
LED PLC 6.9W 865 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 865 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm





Product	D1	D	A1	A2	A3
LED PLC 6.5W 830 2P G24d-2	34 mm	34 mm	106 mm	125 mm	148 mm
LED PLC 8.5W 840 2P G24d-3	34 mm	34 mm	129 mm	148 mm	171 mm

General Information	
Switching Cycle	50,000
Nominal lifetime	30,000 hour(s)
Light Technical	
Beam Angle (Nom)	120 degree(s)
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
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
929001201408	LED PLC 6.5W 830 2P G24d-2	G24d-2
929003757208	LED PLC 6.9W 830 2P G24d-2	G24d-2
929003757308	LED PLC 6.9W 840 2P G24d-2	G24d-2
929003820208	LED PLC 6.9W 865 2P G24d-2	G24d-2
929003820308	LED PLC 8.9W 865 2P G24d-3	G24d-3
929001201308	LED PLC 8.5W 840 2P G24d-3	G24d-3
929003757408	LED PLC 8.9W 830 2P G24d-3	G24d-3

Light Technical

	Correlated			
	Color	Color		
Full Product	Temperature	rendering	Color	Luminous
Name	(Nom)	index (CRI)	Code	Flux
LED PLC 6.5W	3000 K	83	830	650 lm
830 2P G24d-2				
LED PLC 6.9W	3000 K	82	830	700 lm
830 2P G24d-2				
LED PLC 6.9W	4000 K	82	840	770 lm
840 2P G24d-2				
LED PLC 6.9W	6500 K	82	865	770 lm
865 2P G24d-2				
	Name LED PLC 6.5W 830 2P G24d-2 LED PLC 6.9W 830 2P G24d-2 LED PLC 6.9W 840 2P G24d-2 LED PLC 6.9W	Color Full Product Camperature Name (Nom) LED PLC 6.5W 3000 K B30 2P G24d-2 - LED PLC 6.9W 3000 K B30 2P G24d-2 - LED PLC 6.9W 4000 K B40 2P G24d-2 - LED PLC 6.9W 6000 K B40 2P G24d-2 -	Color Color Full Product Temperature rendering Name Nom index (CRI) LED PLC 6.5W 3000 K 83 B302 PG24d-2 - - LED PLC 6.5W 3000 K 82 B302 PG24d-2 - - LED PLC 6.5W 4000 K 82 B402 PG24d-2 - - LED PLC 6.5W 6300 K 82 B402 PG24d-2 - -	Color Color Full Product Temperature rendering Color Name (Non) index (CR) Color LED PLC 6.5W 3000 K 830 830 B302 PG2442 - - - LED PLC 6.5W 4000 K 820 830 B302 PG2442 - - - LED PLC 6.5W 4000 K 820 840 B402 PG2442 - - - LED PLC 6.5W 6500 K 820 840

		Correlated			
		Color	Color		
	Full Product	Temperature	rendering	Color	Luminous
Order Code	Name	(Nom)	index (CRI)	Code	Flux
929003820308	LED PLC 8.9W	6500 K	82	865	1,100 lm
	865 2P G24d-3				
929001201308	LED PLC 8.5W	4000 K	83	840	1,000 lm
	840 2P G24d-3				
929003757408	LED PLC 8.9W	3000 K	82	830	990 lm
	830 2P G24d-3				

Operating and Electrical

		Line	Power	Wattage
Order Code	Full Product Name	Frequency	Consumption	Equivalent
929001201408	LED PLC 6.5W 830	50 to 60 Hz	6.5 W	-
	2P G24d-2			
929003757208	LED PLC 6.9W 830	-	6.9 W	18 W
	2P G24d-2			
929003757308	LED PLC 6.9W 840	-	6.9 W	18 W
	2P G24d-2			
929003820208	LED PLC 6.9W 865	-	6.9 W	18 W
	2P G24d-2			

		Line	Power	Wattage
Order Code	Full Product Name	Frequency	Consumption	Equivalent
929003820308	LED PLC 8.9W 865	-	8.9 W	26 W
	2P G24d-3			
929001201308	LED PLC 8.5W 840	50 to 60 Hz	8.5 W	-
	2P G24d-3			
929003757408	LED PLC 8.9W 830	-	8.9 W	26 W
	2P G24d-3			

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001201408	LED PLC 6.5W 830 2P G24d-2	65 ℃
929003757208	LED PLC 6.9W 830 2P G24d-2	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003757308	LED PLC 6.9W 840 2P G24d-2	75 °C
929003820208	LED PLC 6.9W 865 2P G24d-2	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003820308	LED PLC 8.9W 865 2P G24d-3	75 °C
929001201308	LED PLC 8.5W 840 2P G24d-3	75 ℃

Order Code	Full Product Name	T-Case Maximum (Nom)
929003757408	LED PLC 8.9W 830 2P G24d-3	75 °C

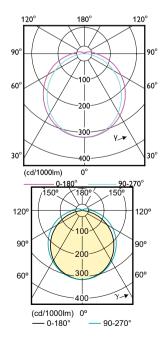
Mechanical and Housing

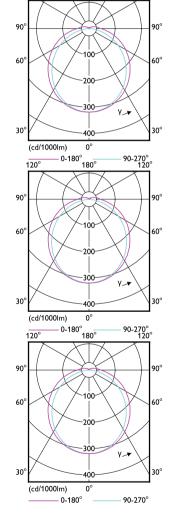
Order Code	Full Product Name	Bulb Finish
929001201408	LED PLC 6.5W 830 2P G24d-2	-
929003757208	LED PLC 6.9W 830 2P G24d-2	Frosted
929003757308	LED PLC 6.9W 840 2P G24d-2	Frosted
929003820208	LED PLC 6.9W 865 2P G24d-2	Frosted

929003820308 LED PI	_C 8.9W 865 2P G24d-3	Frosted
929001201308 LED PI	_C 8.5W 840 2P G24d-3	-
929003757408 LED PI	_C 8.9W 830 2P G24d-3	Frosted

Approval and Application

			Energy
		Ambient temperature	Consumption
Order Code	Full Product Name	range	kWh/1000 h
929001201408	LED PLC 6.5W 830 2P	-20 °C to 35 °C	9 kWh
	G24d-2		
929003757208	LED PLC 6.9W 830 2P	-20 to +35 °C	-
	G24d-2		
929003757308	LED PLC 6.9W 840 2P	-20 to +35 °C	-
	G24d-2		
929003820208	LED PLC 6.9W 865 2P	-20 to +35 °C	-
	G24d-2		
929003820308	LED PLC 8.9W 865 2P	-20 to +35 °C	-
	G24d-3		
929001201308	LED PLC 8.5W 840 2P	-20 °C to 35 °C	11 kWh
	G24d-3		
929003757408	LED PLC 8.9W 830 2P	-20 to +35 °C	-
	G24d-3		

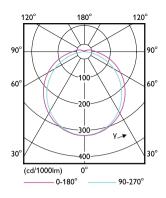




180°

120°

120°





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