



The most advanced LED replacements for compact fluorescent PL-L lamps with 2G11 base

PL-L

Philips CorePro LED PLL is the ideal uplampping solution for downlights & luminaires in a wide range of general lighting applications. It offers both InstanFit (UL Type A) and MainsFit (UL Type B) LED lamp with a wide array color temperature. It integrates a LED light source into a traditional fluorescent form factor to offer superb energy savings over a lifetime that's twice as long as fluorescent alternatives.

Benefits

- Minimizes overall lighting costs
- Offers cheapest and easiest upgrade to LED lighting technology
- Excellent compatibility with existing fluorescent ballasts
- Direct wire installation without ballast compatibility issue

Features

- High energy efficiency, over 40% energy savings
- Long lifetime with superior color and lumen maintenance
- Easy plug-and-play installation. Retrofit replacement of existing CFL-ni lamps
- Ballast bypass, direct wire installation
- Selectable color temperature
- Conventional form factor fits into existing luminaires
- Durable polycarbonate construction

Application

- Offices
- Retail
- Hospitality
- Residential

Versions



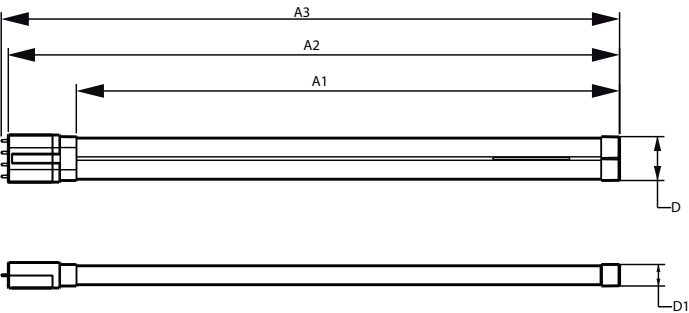
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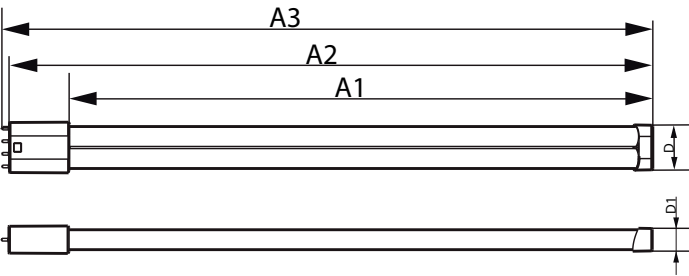
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Dimensional drawing

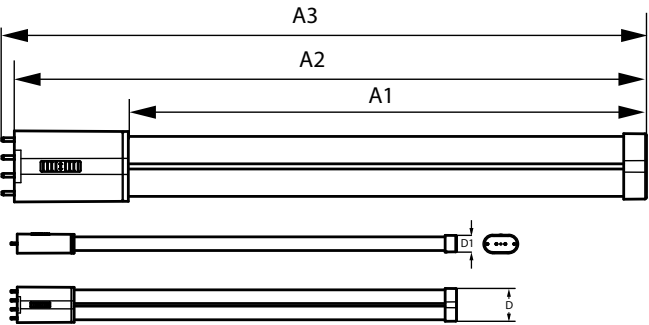


Product	D1	D	A1	A2	A3
16.5PL-L/COR/22-830/IF22/P/4P/DIM 10/1	20 mm	40.6 mm	501 mm	564 mm	570.6 mm
16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1	20 mm	40.6 mm	501 mm	564 mm	570.6 mm
16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1	20 mm	40.6 mm	501 mm	564 mm	570.6 mm



Product	D1	D	A1	A2	A3
17PL-L/COR/22-830/MF22/G/4P 10/1	20 mm	39.4 mm	508 mm	560.3 mm	566.9 mm
17PL-L/COR/22-835/MF22/G/4P 10/1	20 mm	39.4 mm	508 mm	560.3 mm	566.9 mm
17PL-L/COR/22-840/MF22/G/4P 10/1	20 mm	39.4 mm	508 mm	560.3 mm	566.9 mm

Dimensional drawing



Product	D1	D	A1	A2	A3
10PL-L/COR/24-5CCT/MF11/G/4P 10/1	21 mm	41 mm	241 mm	311 mm	320 mm
16PL-L/COR/36-5CCT/MF20/G/4P 10/1	21 mm	41 mm	336 mm	406 mm	415 mm
18PL-L/COR/55-5CCT/MF28/G/4P 10/1	21 mm	41 mm	456 mm	526 mm	535 mm
8PL-L/COR/18-5CCT/MF9/G/4P 10/1	21 mm	41 mm	146 mm	216 mm	225 mm

General Information	
Cap-Base	2G11
Switching Cycle	50,000
Nominal lifetime	50,000 hour(s)
Light Technical	
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Starting Time (Nom)	0.5 s
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	PL-L

Light Technical

Order Code	Full Product Name	Beam Angle	Correlated Color Temperature		Luminous Flux
		(Nom)	(Nom)	Color Code	
929004602604	16PL-L/COR/ 36-5CCT/ MF20/G/4P 10/1	140 degree(s)	2700 K	2700/3000/3500/4000/5000	1,900 lm
929004602504	10PL-L/COR/ 24-5CCT/ MF11/G/4P 10/1	140 degree(s)	2700 K	2700/3000/3500/4000/5000	1,100 lm
929001893504	16.5PL-L/COR/ 22-830/ IF22/P/4P/DIM 10/1	160 degree(s)	3000 K	830	2,200 lm
929001893604	16.5PL-L/COR/ 22-835/ IF22/P/4P/DIM 10/1	160 degree(s)	3500 K	835	2,200 lm
929001893704	16.5PL-L/COR/ 22-840/ IF23/P/4P/DIM 10/1	160 degree(s)	4000 K	840	2,300 lm
929003097504	17PL-L/COR/ 22-830/ MF22/G/4P 10/1	160 degree(s)	3000 K	830	2,100 lm
929003097604	17PL-L/COR/ 22-835/ MF22/G/4P 10/1	160 degree(s)	3500 K	835	2,100 lm
929003097704	17PL-L/COR/ 22-840/ MF22/G/4P 10/1	160 degree(s)	4000 K	840	2,200 lm
929004602404	8PL-L/COR/ 18-5CCT/MF9/G/ 4P 10/1	140 degree(s)	2700 K	2700/3000/3500/4000/5000	900 lm
929004602704	18PL-L/COR/ 55-5CCT/ MF28/G/4P 10/1	140 degree(s)	2700 K	2700/3000/3500/4000/5000	2,550 lm

Operating and Electrical

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
929004602604	16PL-	50 to 60 Hz	-	16 W	36 W
	L/COR/				
	36-5CCT/				
	MF20/G/				
	4P 10/1				
929004602504	10PL-	50 to 60 Hz	-	10 W	24 W
	L/COR/				
	24-5CCT/				
	MF11/G/4				
	P 10/1				
929001893504	16.5PL-	40000-160000 Hz	40000-160000 Hz	16.5 W	40 W
	L/COR/				
	22-830/				
	IF22/P/4				
	P/DIM 10/1				
929001893604	16.5PL-	40000-160000 Hz	40000-160000 Hz	16.5 W	40 W
	L/COR/				
	22-835/				
	IF22/P/4				
	P/DIM 10/1				
929001893704	16.5PL-	40000-160000 Hz	40000-160000 Hz	16.5 W	40 W
	L/COR/				
	22-840/				
	IF23/P/4				

Order Code	Full Product Name	Input Frequency	Line Frequency	Power Consumption	Wattage Equivalent
929003097504	P/DIM 10/1				
	17PL-	50 to 60 Hz	50 to 60 Hz	17 W	40 W
	L/COR/				
	22-830/				
	MF22/G/ 4P 10/1				
929003097604	17PL-	50 to 60 Hz	50 to 60 Hz	17 W	40 W
	L/COR/				
	22-835/				
	MF22/G/ 4P 10/1				
929003097704	17PL-	50 to 60 Hz	50 to 60 Hz	17 W	40 W
	L/COR/				
	22-840/				
	MF22/G/ 4P 10/1				
929004602404	8PL-	50 to 60 Hz	-	8 W	18 W
	L/COR/				
	18-5CCT/				
	MF9/G/4 P 10/1				
929004602704	18PL-	50 to 60 Hz	-	18 W	50 W
	L/COR/				
	55-5CCT/				
	MF28/G/ 4P 10/1				

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929004602604	16PL-L/COR/36-5CCT/MF20/G/4P 10/1	75 °C
929004602504	10PL-L/COR/24-5CCT/MF11/G/4P 10/1	75 °C
929001893504	16.5PL-L/COR/22-830/IF22/P/4P/DIM 10/1	75 °C
929001893604	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1	75 °C
929001893704	16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1	75 °C

Order Code	Full Product Name	T-Case Maximum (Nom)
929003097504	17PL-L/COR/22-830/MF22/G/4P 10/1	65 °C
929003097604	17PL-L/COR/22-835/MF22/G/4P 10/1	65 °C
929003097704	17PL-L/COR/22-840/MF22/G/4P 10/1	65 °C
929004602404	8PL-L/COR/18-5CCT/MF9/G/4P 10/1	75 °C
929004602704	18PL-L/COR/55-5CCT/MF28/G/4P 10/1	75 °C

Controls and Dimming

Order Code	Full Product Name	Dimmable
929004602604	16PL-L/COR/36-5CCT/MF20/G/4P 10/1	Only with specific dimmers
929004602504	10PL-L/COR/24-5CCT/MF11/G/4P 10/1	Only with specific dimmers
929001893504	16.5PL-L/COR/22-830/IF22/P/4P/DIM 10/1	Only with specific dimmers
929001893604	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1	Only with specific dimmers
929001893704	16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1	Only with specific dimmers

Order Code	Full Product Name	Dimmable
929003097504	17PL-L/COR/22-830/MF22/G/4P 10/1	Yes
929003097604	17PL-L/COR/22-835/MF22/G/4P 10/1	Yes
929003097704	17PL-L/COR/22-840/MF22/G/4P 10/1	Yes
929004602404	8PL-L/COR/18-5CCT/MF9/G/4P 10/1	Only with specific dimmers
929004602704	18PL-L/COR/55-5CCT/MF28/G/4P 10/1	Only with specific dimmers

Approval and Application

Order Code	Full Product Name	Ambient temperature range
929004602604	16PL-L/COR/36-5CCT/MF20/G/4P 10/1	-20 to +45 °C
929004602504	10PL-L/COR/24-5CCT/MF11/G/4P 10/1	-20 to +45 °C
929001893504	16.5PL-L/COR/22-830/IF22/P/4P/DIM 10/1	-20 °C to 45 °C
929001893604	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1	-20 °C to 45 °C
929001893704	16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1	-20 °C to 45 °C
929003097504	17PL-L/COR/22-830/MF22/G/4P 10/1	-20 °C to 45 °C
929003097604	17PL-L/COR/22-835/MF22/G/4P 10/1	-20 °C to 45 °C
929003097704	17PL-L/COR/22-840/MF22/G/4P 10/1	-20 °C to 45 °C
929004602404	8PL-L/COR/18-5CCT/MF9/G/4P 10/1	-20 to +45 °C
929004602704	18PL-L/COR/55-5CCT/MF28/G/4P 10/1	-20 to +45 °C

