



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

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

Applications

- Offices
- Retail
- Hospitality
- Residential

Versions

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



Product standard image



Product standard image



16-5W 2G11



LEDtube COR PLL 17W 2G11

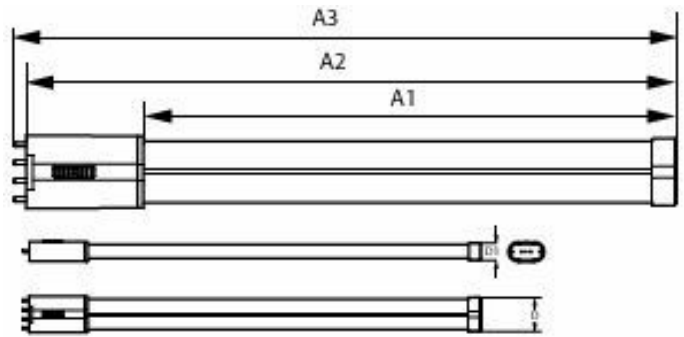


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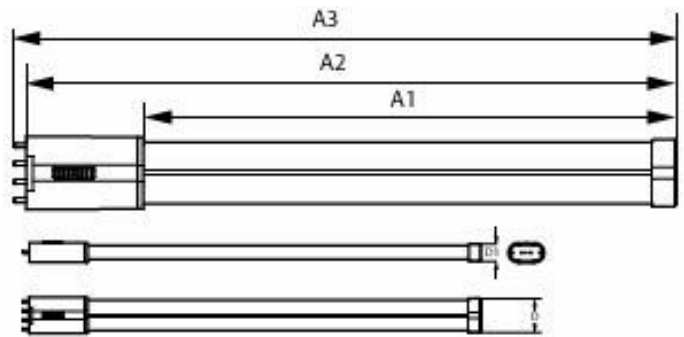


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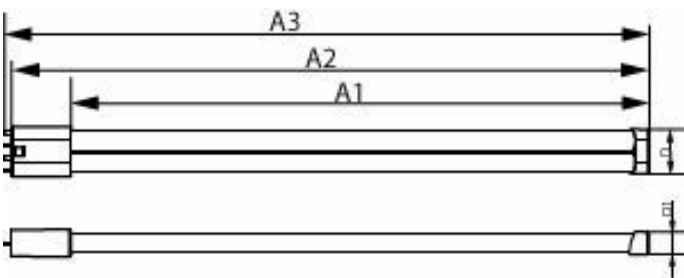
Dimensional drawing



D	D1	A1	A2	A3
41mm	21mm	241mm	311mm	320mm



D	D1	A1	A2	A3
41mm	21mm	146mm	216mm	225mm

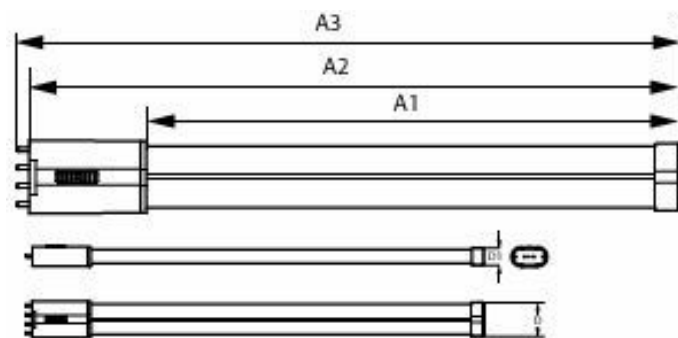


D	D1	A1	A2	A3
40mm	20mm	508mm	561mm	567mm

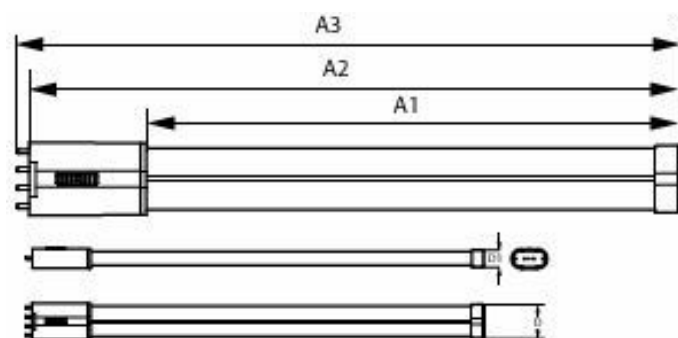
Product	D1	D	A1	A2	A3
10PL-L/COR/24-5CCT/ MF11/G/4P 10/1	21 mm	41 mm	241 mm	311 mm	320 mm

Product	D1	D	A1	A2	A3
8PL-L/COR/ 18-5CCT/MF9/G/4P 10/1	21 mm	41 mm	146 mm	216 mm	225 mm

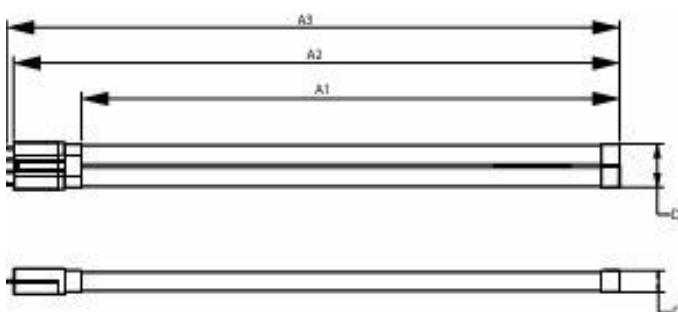
Product	D1	D	A1	A2	A3
17PL-L/COR/22-830/ MF22/G/4P 10/1	20 mm	40 mm	508 mm	561 mm	567 mm
17PL-L/COR/22-835/ MF22/G/4P 10/1	20 mm	40 mm	508 mm	561 mm	567 mm
17PL-L/COR/22-840/ MF22/G/4P 10/1	20 mm	40 mm	508 mm	561 mm	567 mm



D	D1	A1	A2	A3
41mm	21mm	456mm	526mm	535mm



D	D1	A1	A2	A3
41mm	21mm	336mm	406mm	415mm



D	D1	A1	A2	A3
41mm	20mm	501mm	564mm	571mm

Product	D1	D	A1	A2	A3
18PL-L/COR/55-5CCT/ MF28/G/4P 10/1	21 mm	41 mm	456 mm	526 mm	535 mm

Product	D1	D	A1	A2	A3
16PL-L/COR/36-5CCT/ MF20/G/4P 10/1	21 mm	41 mm	336 mm	406 mm	415 mm

Product	D1	D	A1	A2	A3
16.5PL-L/COR/22-830/ IF22/P/4P/DIM 10/1	20 mm	41 mm	501 mm	564 mm	571 mm
16.5PL-L/COR/22-835/ IF22/P/4P/DIM 10/1	20 mm	41 mm	501 mm	564 mm	571 mm
16.5PL-L/COR/22-840/ IF23/P/4P/DIM 10/1	20 mm	41 mm	501 mm	564 mm	571 mm

General Information

Cap-Base	2G11
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000

Light Technical

Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Starting Time (Nom)	0.5 s
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Shape	PL-L

Light Technical

Order Code	Full Product Name	Color Code	Beam Angle (Nom)	Luminous Flux	Correlated Color Temperature (Nom)
929004602604	16PL-L/COR/36-5CCT/MF20/G/4P 10/1	2700/3000/3500/4000/5000	140 degree(s)	1,900 lm	2700 K
				1,900 lm	3000 K
				1,900 lm	3500 K
				2,000 lm	4000 K
				2,000 lm	5000 K
929004602504	10PL-L/COR/24-5CCT/MF11/G/4P 10/1	2700/3000/3500/4000/5000	140 degree(s)	1,100 lm	2700 K
				1,100 lm	3000 K
				1,100 lm	3500 K
				1,150 lm	4000 K
				1,150 lm	5000 K
929001893504	16.5PL-L/COR/22-830/IF22/P/4P/DIM 10/1	830	160 degree(s)	2,200 lm	3000 K
929001893604	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1	835	160 degree(s)	2,200 lm	3500 K
929001893704	16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1	840	160 degree(s)	2,300 lm	4000 K
929003097504	17PL-L/COR/22-830/MF22/G/4P 10/1	830	160 degree(s)	2,200 lm	3000 K
929003097604	17PL-L/COR/22-835/MF22/G/4P 10/1	835	160 degree(s)	2,200 lm	3500 K
929003097704	17PL-L/COR/22-840/MF22/G/4P 10/1	840	160 degree(s)	2,200 lm	4000 K
929004602404	8PL-L/COR/18-5CCT/MF9/G/4P 10/1	2700/3000/3500/4000/5000	140 degree(s)	900 lm	2700 K
				900 lm	3000 K
				900 lm	3500 K
				950 lm	4000 K
				950 lm	5000 K
929004602704	18PL-L/COR/55-5CCT/MF28/G/4P 10/1	2700/3000/3500/4000/5000	140 degree(s)	2,550 lm	2700 K
				2,550 lm	3000 K
				2,550 lm	3500 K
				2,800 lm	4000 K
				2,800 lm	5000 K

Operating and Electrical

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

Order Code	Full Product Name	Line Frequency	Input Frequency	Power Consumption	Wattage Equivalent
929001893604	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1	40000-160000 Hz	40000-160000 Hz	16.5 W	40 W
929001893704	16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1	40000-160000 Hz	40000-160000 Hz	16.5 W	40 W
929003097504	17PL-L/COR/22-830/MF22/G/4P 10/1	50 to 60 Hz	50 to 60 Hz	17 W	40 W
929003097604	17PL-L/COR/22-835/MF22/G/4P 10/1	50 to 60 Hz	50 to 60 Hz	17 W	40 W
929003097704	17PL-L/COR/22-840/MF22/G/4P 10/1	50 to 60 Hz	50 to 60 Hz	17 W	40 W
929004602404	8PL-L/COR/18-5CCT/MF9/G/4P 10/1	-	50 to 60 Hz	8 W	18 W
929004602704	18PL-L/COR/55-5CCT/MF28/G/4P 10/1	-	50 to 60 Hz	18 W	50 W

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
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
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

Order Code	Full Product Name	Ambient temperature range
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