



# Affordability and energy savings - all in one lamp

## MasterClass LED PL 4pin 2pin

The MasterClass LED Type A - Ballast Driven (Plug and Play) InstantFit CFL-ni is a great LED solution suitable for replacing both 2-pin and 4-pin CFL fluorescent lamps, using an existing ballast. Both vertical and horizontal options are available with the horizontal version having a rotatable end cap to ensure the light is correctly aimed.

### Benefits

- Offers lowest cost of installation and easiest upgrade fluorescent CFL's to LED technology
- Dimmable product available for additional savings
- Reliable performance - color and lumen maintenance with excellent lighting uniformity

### Features

- Average life rating of 50,000 hours with unmatched ballast compatibility
- Shatter-resistant polycarbonate construction
- Philips proprietary safety features
- DLC, NSF and RoHS listed
- Conventional form factor to fit into existing luminaires

### Application

- Office and education
- Residential and multi-family complexes
- Retail and hospitality

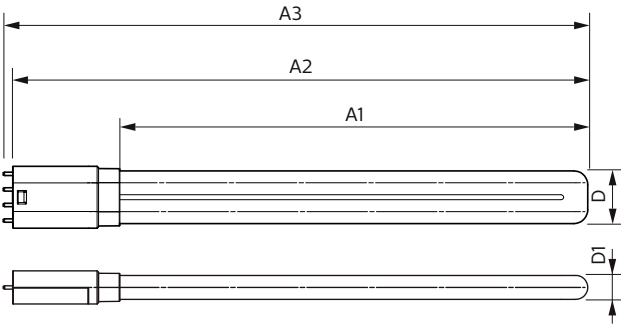
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## Versions



2G11

## Dimensional drawing



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

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Controls and Dimming	
Dimmable	No
Operating and Electrical	
Input Frequency	40000-160000 Hz
Voltage (Nom)	70-110 V
Power (Rated) (Nom)	16.5 W
Starting Time (Nom)	0.5 s
General Information	
Cap-Base	2G11
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000X
Light Technical	
Beam Angle (Nom)	160 °
Color Rendering Index (Nom)	82
Llmf At End Of Nominal Lifetime (Nom)	70 %
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Case Maximum (Nom)	75 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Light Technical

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)	Luminous Flux (Nom)
929001893504	16.5PL-L/PER/22/830/IF22/P 4P	830	3000 K	2200 lm
929001893604	16.5PL-L/PER/22/835/IF22/P 4P	835	3500 K	2200 lm
929001893704	16.5PL-L/PER/22/840/IF23/P 4P	840	4000 K	2300 lm

