



# Affordability and energy savings - all in one lamp

## MasterClass LED PL 4pin 2pin

The MasterClass LED Type A - Ballast Driven (Plug and Play) InstantFit lamps are a great LED solution suitable for replacing both 2-pin and 4-pin CFL fluorescent lamps, using the 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. A wide range of color temps and lumen packages are available.

### 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

Rated Lifetime (Hours) 50000 h

Switching Cycle 50000X

## Light Technical

Beam Angle (Nom) 160 °

Color Rendering Index (Nom) 82

Llmf At End Of Nominal Lifetime (Nom) 70 %

Rated Beam Angle 160 °

## 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)	Luminous Flux (Rated) (Nom)
532895	16.5PL-L/PER/22/830/IF22/P 4P 10/1	830	3000 K	2200 lm	2200 lm
532903	16.5PL-L/PER/22/835/IF22/P 4P 10/1	835	3500 K	2200 lm	2200 lm
532911	16.5PL-L/PER/22/840/IF23/P 4P 10/1	841	4000 K	2300 lm	2300 lm

