



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
- \cdot Conventional form factor to fit into existing luminaires

Application

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

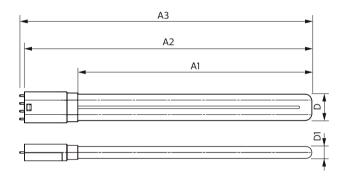
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Versions



2G11

Dimensional drawing



Product	D	D1	A1	A2	А3
16.5PL-L/PER/22/830/IF22/P	40.6 mm	20 mm	501 mm	564 mm	570.6 mm
4P 10/1	40.6	20	F01	564	F70.6
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	70 %
(Nom)	
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 Color Code Full Product Name Code 532895 16.5PL-L/PER/22/830/ 830 IF22/P 4P 10/1 835 IF22/P 4P 10/1 835

16.5PL-L/PER/22/840/

IF23/P 4P 10/1

532911

Correlated Color

3000 K

3500 K

4000 K

841

Temperature (Nom) (Nom)

Luminous Flux

2200 lm

2200 lm

2300 lm

Luminous Flux

(Rated) (Nom)

2200 lm

2200 lm

2300 lm

120°	180°	120°	
90°	550	90°	
60°	100	60°	
30°	200 250 250 300	у- Т 30°	
(cd/1000ln		_	
	0-180°	— 90-270°	



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