

16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1

Philips InstantFit LED lamps make the transition to LED from CFL lamps as simple as replacing a lamp. With a wide array of color temperatures, the InstantFit LED lamps can quickly and effectively replace compact fluorescent lamps.

Product data

General Information				
Cap-Base	2G11			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	50,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	835 [CCT of 3500K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	2,200 lm			
Color Designation	White (WH)			
	3500 K			
Correlated Color Temperature (Nom)	3500 K			
Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom)	3500 K 133.00 lm/W			
Luminous Efficacy (rated) (Nom)	133.00 lm/W			
Luminous Efficacy (rated) (Nom) Color Consistency	133.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI)	133.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI)	133.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom)	133.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom) Operating and Electrical	133.00 lm/W <6 82 70 %			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom) Operating and Electrical Line Frequency	133.00 lm/W <6 82 70 % 40000-1600000 Hz			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom) Operating and Electrical Line Frequency Input Frequency	133.00 lm/W <6 82 70 % 40000-160000 Hz 40000-160000 Hz			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom) Operating and Electrical Line Frequency Input Frequency Power Consumption	133.00 lm/W <6 82 70 % 40000-160000 Hz 40000-160000 Hz 16.5 W			

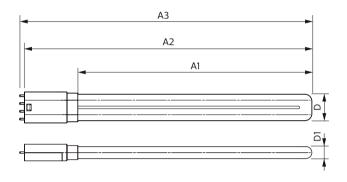
Wattage Equivalent	40 W				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.9				
Voltage (Nom)	70-110 V				
UL Type	UL Type A				
Temperature					
Ambient temperature range	-4 °F to 113 °F				
T-Case Maximum (Nom)	167 °F				
Controls and Dimming					
Dimmable	Only with specific dimmers				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Plastic				
Product Length	22-7/8 inch				
Bulb Shape	PL-L				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	UL certificate RoHS compliance DLC				
	compliance				

Datasheet, 2023, August 16 data subject to change

Energy Consumption kWh/1000 h	- kWh		
Energy Certifications	DLC Standard		
Application Conditions			
can it be used in closed luminaires	Yes		
Product Data			
Order product name	16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1		
Full product name	16.5PL-L/COR/22-835/JE22/P/4P/DIM 10/1		

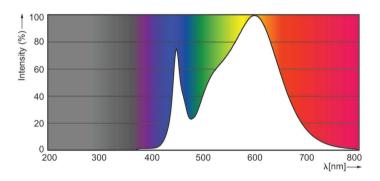
Order code	532903
Material Nr. (12NC)	929001893604
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677532901
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677532906

Dimensional drawing



Product	D	D1	A1	A2	A3
16.5PL-L/COR/22-835/	1-5/8 inch	13/16 inch	19-3/4 inch	22-1/4 inch	22-1/2 inch
IF22/P/4P/DIM 10/1					

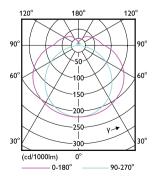
Photometric data





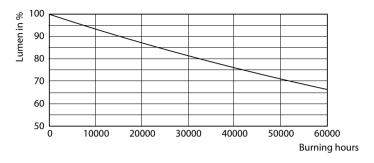
Spectral Power Distribution Colour - 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1

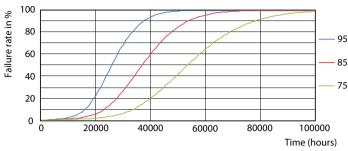
General uniform lighting - 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1



Light Distribution Diagram - 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1

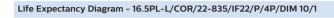
Lifetime

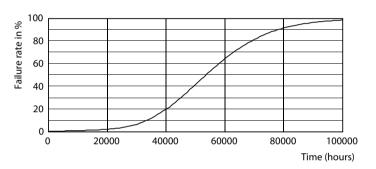




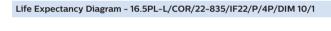
Lumen Maintenance Diagram - 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1

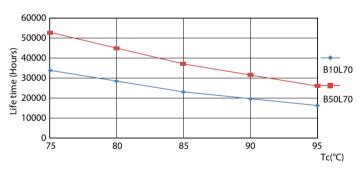
98% 98% 96% 94% 92% 75 80 85 90 95 Tc(°C)





Lumen Maintenance Diagram - 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1





Life Expectancy Diagram - 16.5PL-L/COR/22-835/IF22/P/4P/DIM 10/1



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