

16.5PL-L/COR/22-840/IF23/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 [2G11]			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	50,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	840 [CCT of 4000K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	2,300 lm			
Color Designation	Cool White (CW)			
	4000 K			
Correlated Color Temperature (Nom)	4000 K			
Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom)	4000 K 139.00 lm/W			
Luminous Efficacy (rated) (Nom)	139.00 lm/W			
Luminous Efficacy (rated) (Nom) Color Consistency	139.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI)	139.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI)	139.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom	139.00 lm/W <6 82			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom Operating and Electrical	139.00 lm/W <6 82 a) 70 %			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom Operating and Electrical Line Frequency	139.00 lm/W <6 82 3) 70 %			
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom Operating and Electrical Line Frequency Input Frequency	139.00 lm/W <6 82 1) 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	139.00 lm/W <6 82 1) 70 % 40000-160000 Hz 40000-160000 Hz 16.5 W			

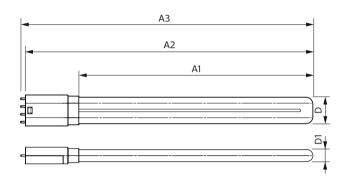
Wattage Equivalent	40 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	70-110 V			
UL Type	UL Type A			
Temperature				
Ambient temperature range	oient temperature range -4 °F to 113 °F			
T-Case Maximum (Nom)	167 °F			
Controls and Dimming				
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, September 26 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/22-840/IF23/P/4P/DIM 10/1			
Full product name	16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1			

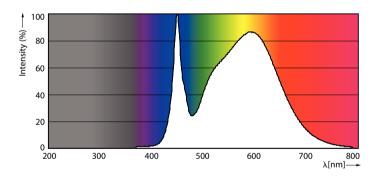
Order code	532911		
Material Nr. (12NC)	929001893704		
Numerator - Quantity Per Pack	1 046677532918		
EAN/UPC - Product/Case			
Numerator - Packs per outer box	10		
EAN/UPC - Case	50046677532913		

Dimensional drawing

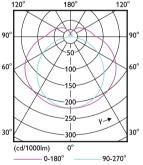


Product	D	D1	A1	A2	А3
16.5PL-L/COR/22-840/	1-5/8 inch	13/16 inch	19-3/4 inch	22-1/4 inch	22-1/2 inch
IF23/P/4P/DIM 10/1					

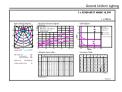
Photometric data





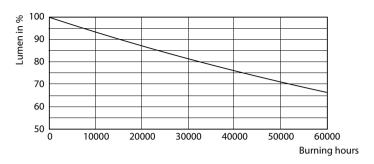


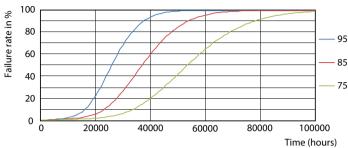
Light Distribution Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1



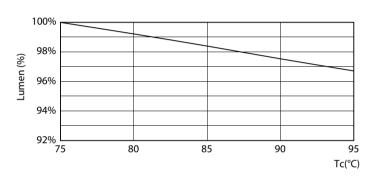
General uniform lighting - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1

Lifetime





Lumen Maintenance Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1





60000

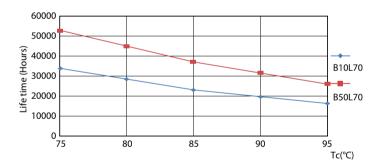
80000

100000

Time (hours)

Life Expectancy Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1

Lumen Maintenance Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1



Life Expectancy Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1

40000

0

3

20000

Life Expectancy Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1



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