PHILIPS Lighting



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				
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)				
Correlated Color Temperature (Nom)	4000 K				
Luminous Efficacy (rated) (Nom)	139.00 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	82				
LLMF At End Of Nominal Lifetime (Nom) 70 %					

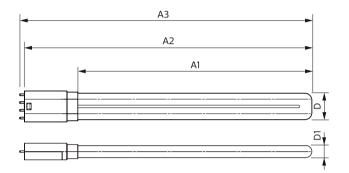
Operating and Electrical	
Line Frequency	40000-160000 Hz
Input Frequency	40000-160000 Hz
Power Consumption	16.5 W
Lamp Current (Max)	400 mA
Lamp Current (Min)	200 mA

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	-20 °C to 45 °C				
T-Case Maximum (Nom)	75 ℃				
Controls and Dimming					
Dimmable	Only with specific dimmers				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Plastic				
Product Length	580 mm				
Bulb Shape	PL-L				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	UL certificate RoHS compliance DLC				
	compliance				

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				

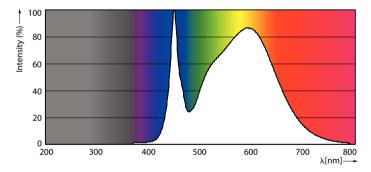
Order code	532911			
Material Nr. (12NC)	929001893704			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677532918			
Numerator - Packs per outer box	10			
EAN/UPC - Case	50046677532913			

Dimensional drawing

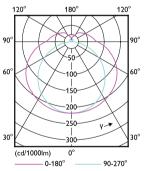


Product	D	D1	A1	A2	A3
16.5PL-L/COR/22-840/IF23/P/4P/DIM	40.6 mm	20 mm	501 mm	564 mm	570.6 mm
10/1					

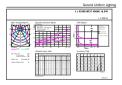
Photometric data



Spectral Power Distribution Colour - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1

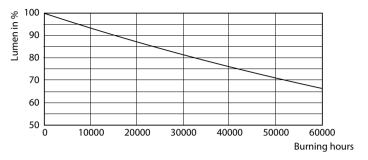


Light Distribution Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1

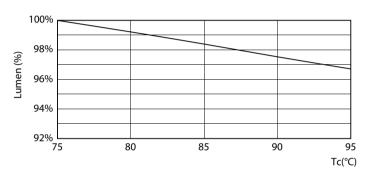


General uniform lighting - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1

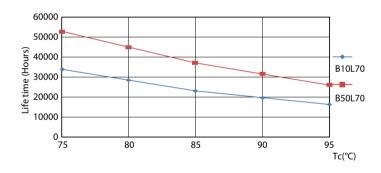
Lifetime

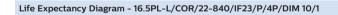


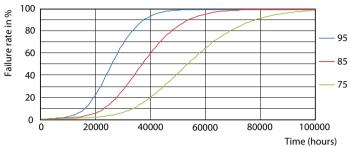
Lumen Maintenance Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1



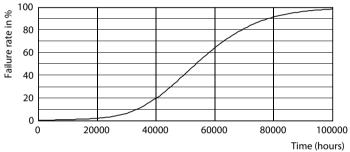
Lumen Maintenance Diagram - 16.5PL-L/COR/22-840/IF23/P/4P/DIM 10/1







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



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

PL-L



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www.lighting.philips.com 2023, August 2 - data subject to change