



# PL-S

# 5PL-S/LED/13H/840/IF5/P/2P 20/1

Philips LED PL-S lamps make the transition to LED from CFL lamps as simple as replacing a lamp. The InstantFit (UL Type A) 2-pin PL-S LED lamps are available in a wide array of color temperatures. They quickly and effectively replace 13W 2-pin compact fluorescent PL-S lamps.

### **Product data**

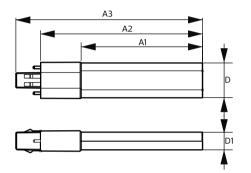
General Information					
Cap-Base	GX23				
Nominal lifetime	50,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	840 [CCT of 4000K]				
Beam Angle (Nom)	120 degree(s)				
Luminous Flux	580 lm				
Color Designation	Cool White (CW)				
Correlated Color Temperature (Nom)	4000 K				
Luminous Efficacy (rated) (Nom)	116.00 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	82				
LLMF At End Of Nominal Lifetime (Nom)	70 %				
Operating and Electrical					
Line Frequency	50 to 60 Hz				
Input Frequency	50 to 60 Hz				
Power Consumption	5 W				
Lamp Current (Max)	50 mA				

Lamp Current (Min)	15 mA			
Wattage Equivalent	13 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	120-277 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	No			
Mechanical and Housing				
Bulb Finish	Frosted			
Bulb Material	Plastic			
Product Length	6-3/4 inch			
Bulb Shape	PL-S			
Approval and Application				
Energy Saving Product	Yes			

Approval Marks	UL certificate RoHS compliance			
Energy Consumption kWh/1000 h	- kWh			
Application Conditions				
can it be used in closed luminaires	Yes			
Product Data				
Order product name	5PL-S/LED/13H/840/IF5/P/2P 20/1			
Full product name	5PL-S/LED/13H/840/IF5/P/2P 20/1			

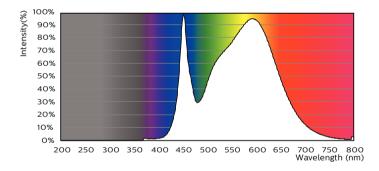
Order code	529586			
Material Nr. (12NC)	929001863104			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677529581			
Numerator - Packs per outer box	20			
EAN/UPC - Case	50046677529586			

# **Dimensional drawing**

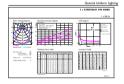


Product	D	D1	A1	A2	A3
5PL-	1-1/4 inch	5/8 inch	4-1/4 inch	5-11/16 inch	6-9/16 inch
S/LED/13H/840/IF5/P/2P					
20/1					

### Photometric data

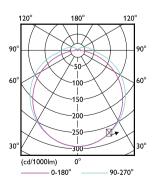


Spectral Power Distribution Colour - 5PL-S/LED/13H/840/IF5/P/2P 20/1



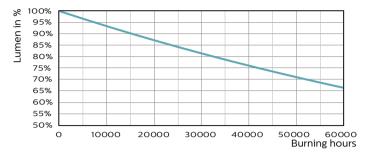
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General uniform lighting - 5PL-S/LED/13H/840/IF5/P/2P 20/1

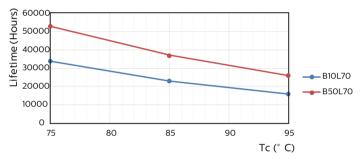


Light Distribution Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1

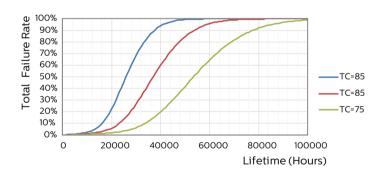
## Lifetime



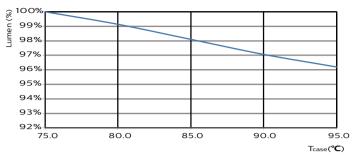
Lumen Maintenance Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1



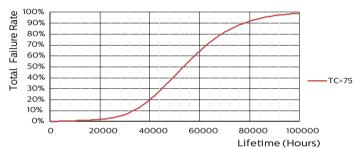
Life Expectancy Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1



Life Expectancy Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1



Lumen Maintenance Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1



Life Expectancy Diagram - 5PL-S/LED/13H/840/IF5/P/2P 20/1

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www.lighting.philips.com 2023, August 16 - data subject to change