



# PL-S

# 5PL-S/LED/13H/827/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	827 [CCT of 2700K]			
Beam Angle (Nom)	120 degree(s)			
Luminous Flux	520 lm			
Color Designation	Warm White (WW)			
Correlated Color Temperature (Nom)	2700 K			
Luminous Efficacy (rated) (Nom)	104.00 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			

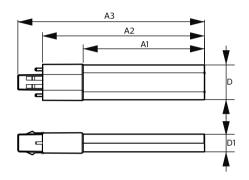
Lamp Current (Min)	15 mA
Wattage Equivalent	13 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	UL Type A
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	75 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	170 mm
Bulb Shape	PL-S
Approval and Application	
Energy Saving Product	Yes

Datasheet, 2024, March 22 data subject to change

Approval Marks	UL certificate RoHS compliance			
Energy Consumption kWh/1000 h	- kWh			
<b>Application Conditions</b>				
can it be used in closed luminaires	Yes			
Product Data				
Order product name	5PL-S/LED/13H/827/IF5/P/2P 20/1			
Full product name	5PL-S/LED/13H/827/IF5/P/2P 20/1			

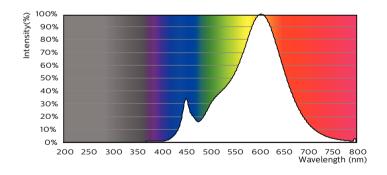
Order code	929001862804
Material Nr. (12NC)	929001862804
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677529512
Numerator - Packs per outer box	20
EAN/UPC - Case	50046677529517

### Dimensional drawing



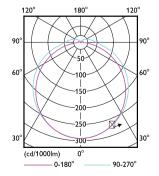
Product	D	D1	A1	A2	А3
5PL-S/LED/13H/827/IF5/P/2P 20/1	31.1 mm	15.8 mm	108 mm	144 mm	166 mm

#### Photometric data





#### Spectral Power Distribution Colour - 5PL-S/LED/13H/827/IF5/P/2P 20/1

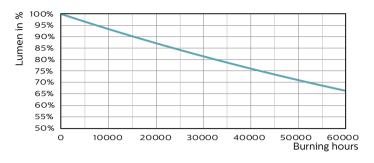


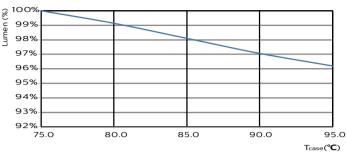
Light Distribution Diagram - 5PL-S/LED/13H/827/IF5/P/2P 20/1

General uniform lighting - 5PL-S/LED/13H/827/IF5/P/2P 20/1

### PL-S

#### Lifetime

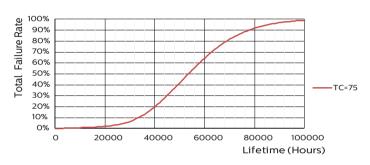




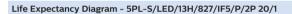
#### Lumen Maintenance Diagram - 5PL-S/LED/13H/827/IF5/P/2P 20/1

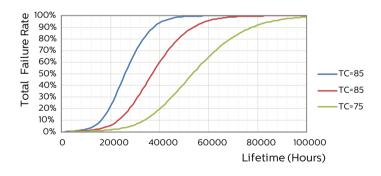
# © 60000 0 40000 10000 0 75 80 85 90 95 Tc (° C)

## Lumen Maintenance Diagram - 5PL-S/LED/13H/827/IF5/P/2P 20/1



Life Expectancy Diagram - 5PL-S/LED/13H/827/IF5/P/2P 20/1





Life Expectancy Diagram - 5PL-S/LED/13H/827/IF5/P/2P 20/1

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