



# 5PL-C/LED/13V/827/IF5/P/2P 20/1

Philips PLED 4-pin & 2-pin lamps are an affordable LED solution to replace compact flourescent lamps. The product provides a natural lighting effect for use in many lighting applications, and provides instant energy savings, making them an environmentally-friendly solution. Available as replacements for 13W, 26W and 32W compact fluorescent lamps.

#### **Product data**

General Information				
Cap-Base	GX23-2 [GX23-2]			
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)	150 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				
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	Type A - works on ballast				
Temperature					
Ambient temperature range	-20 °C to 45 °C				
T-Case Maximum (Nom)	70 °C				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Bulb Material	Plastic				
Product Length	100 mm				
Bulb Shape	PL-C				
Approval and Application					
Energy Saving Product	Yes				

Datasheet, 2023, November 12 data subject to change

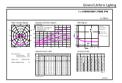
Approval Marks	UL certificate RoHS compliance			
Energy Consumption kWh/1000 h	- kWh			
Product Data				
Order product name	5PL-C/LED/13V/827/IF5/P/2P 20/1			
Full product name	5PL-C/LED/13V/827/IF5/P/2P 20/1			
Order code	929001884904			

Material Nr. (12NC)	929001884904
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677532352
Numerator - Packs per outer box	20
EAN/UPC - Case	50046677532357

## Dimensional drawing

Product	D	A1	A2	A3
5PL-C/LED/13V/827/IF5/P/2P 20/1	45.7 mm	24.6 mm	101.6 mm	117.6 mm

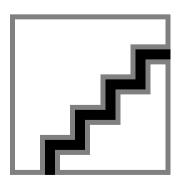
#### Photometric data



Calculus Processer to 4.5 Philips Lighting 8.V. Page: 17

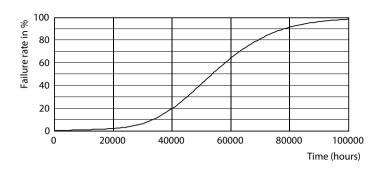
General uniform lighting - 5PL-C/LED/13V/827/IF5/P/2P 20/1

Light Distribution Diagram - 5PL-C/LED/13V/827/IF5/P/2P 20/1



Spectral Power Distribution Colour - 5PL-C/LED/13V/827/IF5/P/2P 20/1

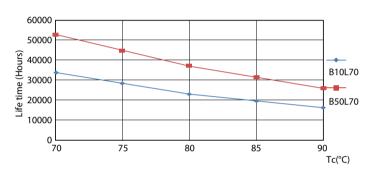
#### Lifetime



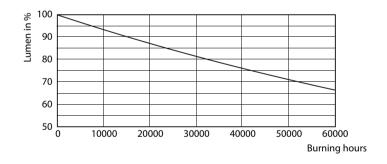
#### Life Expectancy Diagram - 5PL-C/LED/13V/827/IF5/P/2P 20/1

# 98% 98% 96% 94% 92% 70 75 80 85 90 Tc(°C)

#### Life Expectancy Diagram - 5PL-C/LED/13V/827/IF5/P/2P 20/1



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



Life Expectancy Diagram - 5PL-C/LED/13V/827/IF5/P/2P 20/1

Lumen Maintenance Diagram - 5PL-C/LED/13V/827/IF5/P/2P 20/1



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