



# PL-C/T

## 5PL-C/LED/13H/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**

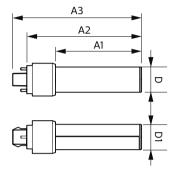
General Information			
Cap-Base	GX23-2 [GX23-2]		
Nominal lifetime	50,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical			
Color Code	827 [CCT of 2700K]		
Beam Angle (Nom)	150 degree(s)		
Luminous Flux	520 lm		
Color Designation	Warm White (WW)		
	2700 K		
Correlated Color Temperature (Nom)	2700 K		
Correlated Color Temperature (Nom) Luminous Efficacy (rated) (Nom)	2700 K 104.00 lm/W		
Luminous Efficacy (rated) (Nom)	104.00 lm/W		
Luminous Efficacy (rated) (Nom) Color Consistency	104.00 lm/W <6		
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI)	104.00 lm/W <6 82		
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI)	104.00 lm/W <6 82		
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom)	104.00 lm/W <6 82		
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom) Operating and Electrical	104.00 lm/W <6 82 70 %		
Luminous Efficacy (rated) (Nom) Color Consistency Color rendering index (CRI) LLMF At End Of Nominal Lifetime (Nom) Operating and Electrical Line Frequency	104.00 lm/W <6 82 70 % 50 to 60 Hz		

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 ℃ to 45 ℃			
T-Case Maximum (Nom)	70 ℃			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Bulb Material	Plastic			
Product Length	140 mm			
Bulb Shape	Tube, single-ended			
Approval and Application				
Energy Saving Product	Yes			

Approval Marks	UL certificate RoHS compliance		
Energy Consumption kWh/1000 h	- kWh		
Product Data			
Order product name	5PL-C/LED/13H/827/IF5/P/2P 20/1		
Full product name	5PL-C/LED/13H/827/IF5/P/2P 20/1		
Order code	929001884504		

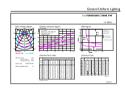
Material Nr. (12NC)	929001884504			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677532307			
Numerator - Packs per outer box	20			
EAN/UPC - Case	50046677532302			

### Dimensional drawing



Product	D	D1	A1	A2	A3
5PL-C/LED/13H/827/IF5/P/2P 20/1	27 mm	27 mm	91.5 mm	122.4 mm	137.4 mm

#### Photometric data



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

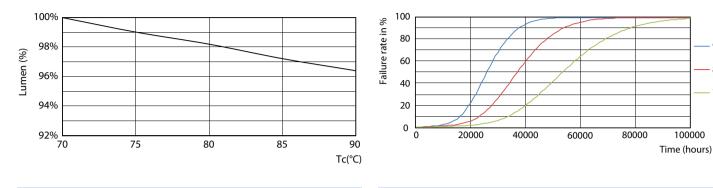
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Spectral Power Distribution Colour - 5PL-C/LED/13H/827/IF5/P/2P 20/1

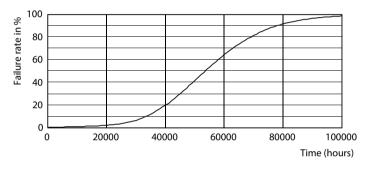
120° 180° 120° 90° 90° -50 60° 60° 100 150 200 250 γ.**-**γ 30° 30° -300-(cd/1000lm) \_\_\_\_\_ 0-180° 0° 90-270°

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

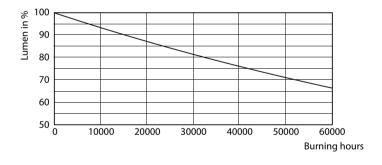
Lifetime





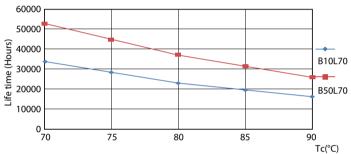


Life Expectancy Diagram - 5PL-C/LED/13H/827/IF5/P/2P 20/1



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

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



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

90

80

70

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www.lighting.philips.com 2023, November 12 - data subject to change