



5.5PL-C/LED/13H/840/IF5/P/4P 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	G24q			
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)	150 degree(s)			
Luminous Flux	580 lm			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	105.00 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	82			
LLMF At End Of Nominal Lifetime (Nom)	70 %			
Operating and Electrical				
Line Frequency	25000-100000 Hz			
Input Frequency	25000-100000 Hz			
Power Consumption	5.5 W			

Lamp Current (Max) 280 mA Lamp Current (Min) 130 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) 14-60 V UL Type UL Type A Temperature Ambient temperature range -20 °C to 45 °C T-Case Maximum (Nom) 75 °C Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm Bulb Shape PL-C				
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) 14-60 V UL Type UL Type A Temperature Ambient temperature range -20 °C to 45 °C T-Case Maximum (Nom) 75 °C Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Lamp Current (Max)	280 mA		
Starting Time (Nom) O.5 s Warm-up time to 60% light O.9 Voltage (Nom) UL Type UL Type UL Type A Temperature Ambient temperature range T-Case Maximum (Nom) T-Case Maximum (Nom) Temperature Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length O.9 UL Type A UL Type A	Lamp Current (Min)	130 mA		
Warm-up time to 60% light 0.5 s Power Factor (Fraction) 0.9 Voltage (Nom) 14-60 V UL Type UL Type A Temperature Ambient temperature range -20 °C to 45 °C T-Case Maximum (Nom) 75 °C Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Wattage Equivalent	13 W		
Power Factor (Fraction) O.9 Voltage (Nom) UL Type UL Type A Temperature Ambient temperature range T-Case Maximum (Nom) T-Case Maximum (Nom) T-Case Maximum (Nom) Temperature Power to 45 °C T-Case Maximum (Nom) Temperature Ambient temperature range Temperature -20 °C to 45 °C T-Case Maximum (Nom) Temperature Power to 45 °C T-Case Maximum (Nom) Temperature Power to 45 °C Tourious and Dimming Power to 45 °C Tourious and Dimmi	Starting Time (Nom)	0.5 s		
Voltage (Nom) 14-60 V UL Type UL Type A Temperature Ambient temperature range -20 °C to 45 °C T-Case Maximum (Nom) 75 °C Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Warm-up time to 60% light	0.5 s		
UL Type UL Type A Temperature Ambient temperature range -20 °C to 45 °C T-Case Maximum (Nom) 75 °C Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Power Factor (Fraction)	0.9		
Temperature Ambient temperature range -20 °C to 45 °C T-Case Maximum (Nom) 75 °C Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Voltage (Nom)	14-60 V		
Ambient temperature range -20 °C to 45 °C T-Case Maximum (Nom) 75 °C Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	UL Type	UL Type A		
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Controls and Dimming Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Ambient temperature range	-20 °C to 45 °C		
Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	T-Case Maximum (Nom)	75 °C		
Dimmable Yes Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm				
Mechanical and Housing Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Controls and Dimming			
Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm	Dimmable	Yes		
Bulb Finish Frosted Bulb Material Plastic Product Length 140 mm				
Bulb Material Plastic Product Length 140 mm	Mechanical and Housing			
Product Length 140 mm	Bulb Finish	Frosted		
<u> </u>	Bulb Material	Plastic		
Bulb Shape PL-C	Product Length	140 mm		
	Bulb Shape	PL-C		

Datasheet, 2023, April 14 data subject to change

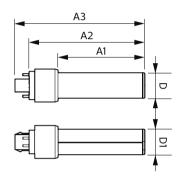
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate
Energy Consumption kWh/1000 h	- kWh
Application Conditions	
can it be used in closed luminaires	Yes
Product Data	

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Full product name	5.5PL-C/LED/13H/840/IF5/P/4P 20/1
Order code	532424
Material Nr. (12NC)	929001885604
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677532420
Numerator - Packs per outer box	20
EAN/UPC - Case	50046677532425

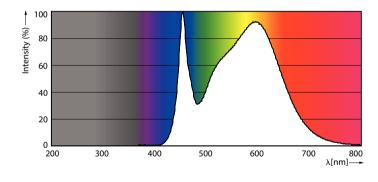
Dimensional drawing

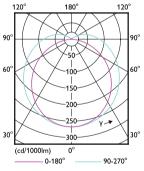
Order product name



Product	D	D1	A1	A2	А3
5.5PL-C/LED/13H/840/IF5/P/4P 20/1	27 mm	27 mm	91.5 mm	122.4 mm	137.4 mm

Photometric data

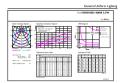




Spectral Power Distribution Colour - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1

Light Distribution Diagram - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1

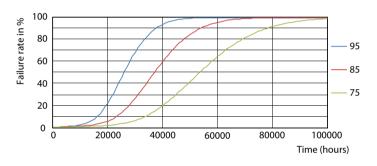
Photometric data

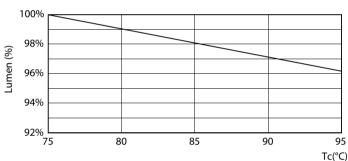


Calculus Photographics 4.5 Philips Lighting B.V. Fago: 171

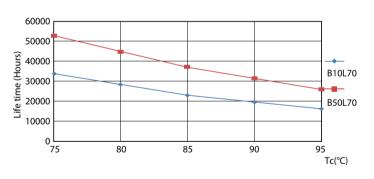
General uniform lighting - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1

Lifetime

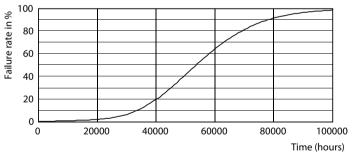




Life Expectancy Diagram - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1



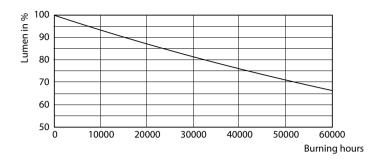
Lumen Maintenance Diagram - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1



Life Expectancy Diagram - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1

Life Expectancy Diagram - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1

Lifetime



Lumen Maintenance Diagram - 5.5PL-C/LED/13H/840/IF5/P/4P 20/1

