PHILIPS Lighting



CorePro LED PLC 4P

CorePro LED PLC 6.5W 830 4P G24q-2

The CorePro LED PLC 4P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

Product data

General Information		
Cap-Base	G24Q-2 [G24q-2] 30,000 hour(s) 50,000 LED Sphere	
Nominal lifetime		
Switching Cycle		
Lighting Technology		
Flux measurement reference		
CE mark	Yes	
EU RoHS compliant	Yes	
Light Technical		
Color Code	830 [CCT of 3000K]	
Beam Angle (Nom)	120 degree(s)	
Luminous Flux	650 lm	
Color Designation Correlated Color Temperature (Nom)	White (WH) 3000 K	
Color Consistency	<6	
Color rendering index (CRI)	83	
LLMF At End Of Nominal Lifetime (Nom)	70 %	
Photobiological safety according to EN 62471	RGO	
Operating and Electrical		

30000-80000 Hz

Input Frequency 30000-80000 Hz **Power Consumption** 6.5 W Lamp Current (Max) 300 mA Lamp Current (Min) 150 mA Starting Time (Nom) 0.5 s Warm-up time to 60% light 0.5 s Power Factor (Fraction) 0.9 20-50 V Voltage (Nom) LED alternative to fluorescent lamp power 18 W Max. lamp no. on MCB B type 10A - Mains Max, lamp no. on MCB B type 10A - EM ballast _ without Comp. Cap. Max. lamp no. on MCB B type 10A - EM ballast _ with Comp. Cap. Max. lamp no. on MCB B type 16A - Mains Max. lamp no. on MCB B type 16A - EM ballast _ without Comp. Cap. Max. lamp no. on MCB B type 16A - EM ballast with Comp. Cap. Temperature

Ambient temperature range

-20 °C to 35 °C

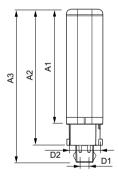
Line Frequency

CorePro LED PLC 4P

T-Case Maximum (Nom)	66 °C		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Material	Plastic		
Product Length	100 mm		
Bulb Shape	PL-C		
Approval and Application			
Energy Efficiency Class	F		
Energy Saving Product	Yes		
Approval Marks	TUV CE marking RoHS compliance		
	KEMA Keur certificate		
Energy Consumption kWh/1000 h	7 kWh		

EPREL Registration Number	403552
Product Data	
Order product name	CorePro LED PLC 6.5W 830 4P
	G24q-2
Full product name	CorePro LED PLC 6.5W 830 4P
	G24q-2
Full product code	871869654119700
Order code	929001201002
Material Nr. (12NC)	929001201002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696541197
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696541203

Dimensional drawing

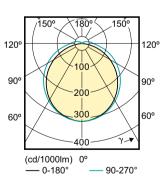


Product D1 D2 A1 A2 А3 CorePro LED PLC 6.5W 830 4P 24.3 mm 28.4 mm 105.8 mm 125 mm 140.6 mm G24q-2

Photometric data

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General uniform lighting - CorePro LED PLC 6.5W 830 4P G24q-2

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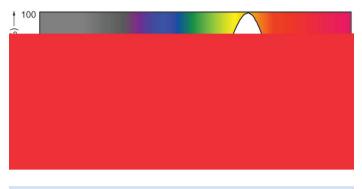
Light Distribution Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

CalculaX Photometrics 45

Batabricet, 2025, April 11	Datasheet,	2023,	April 14	
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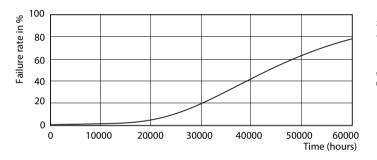
CorePro LED PLC 4P

Photometric data

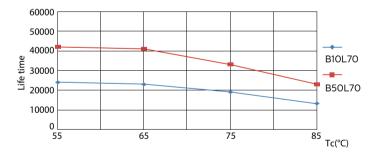


Spectral Power Distribution Colour - CorePro LED PLC 6.5W 830 4P G24q-2

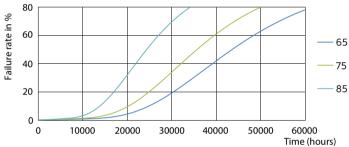
Lifetime



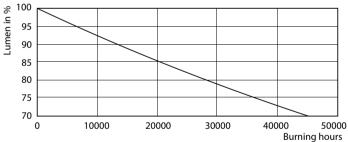
Life Expectancy Diagram - CorePro LED PLC 6.5W 830 4P G24q-2



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Life Expectancy Diagram - CorePro LED PLC 6.5W 830 4P G24q-2
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Life Expectancy Diagram - CorePro LED PLC 6.5W 830 4P G24q-2



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

CorePro LED PLC 4P

Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 4P G24q-2



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