





# 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]				
Nominal lifetime	30,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
Flux measurement reference	Sphere				
Light Technical					
Color Code	830 [CCT of 3000K]				
Beam Angle (Nom)	120 degree(s)				
Luminous Flux	650 lumen				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 K				
Luminous Efficacy (rated) (Nom)	92.31 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	83				
LLMF At End Of Nominal Lifetime (Nom) 70 %					
Operating and Electrical					
Line Frequency	30000-80000 Hz				
Input Frequency	30000-80000 Hz				
Power Consumption	6.5 W				
Starting Time (Nom)	0.5 s				

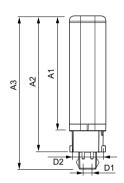
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.9				
Voltage (Nom)	20-50 V				
Temperature					
Ambient temperature range	-20 °C to 35 °C				
T-Case Maximum (Nom)	66 ℃				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Bulb Material	Plastic				
Product Length	100 mm				
Bulb Shape	Tube, single-ended				
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				

Datasheet, 2023, June 2 data subject to change

CE mark	Yes				
EU RoHS compliant	Yes				
Product Data					
Full product code	871869654119700				
Order product name	CorePro LED PLC 6.5W 830 4P G24q-2				
Order code	929001201002				

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001201002
Full product name	CorePro LED PLC 6.5W 830 4P G24q-2
EAN/UPC - Case	8718696541203

# Dimensional drawing



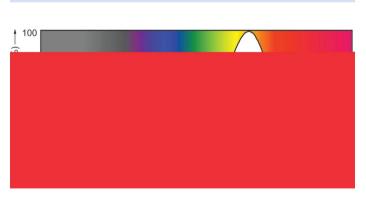
Product	D1	D2	A1	A2	А3
CorePro LED PLC 6.5W 830 4P	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm
G24q-2					

#### Photometric data

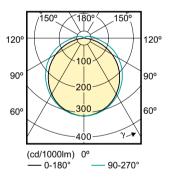




### General uniform lighting - CorePro LED PLC 6.5W 830 4P G24q-2

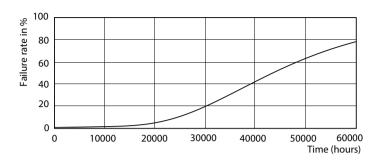


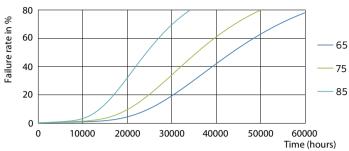
Spectral Power Distribution Colour - CorePro LED PLC 6.5W 830 4P G24q-2



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

#### Lifetime

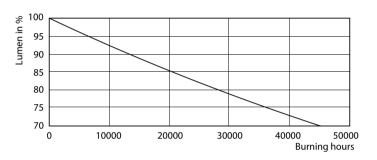




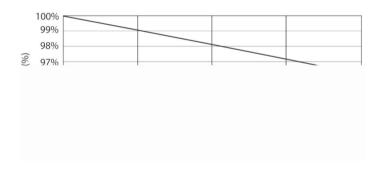
#### Life Expectancy Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

# 60000 50000 40000 20000 10000 0 55 65 75 85 Tc(°C)

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



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



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

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