





CorePro LED PLC 5.5W 840 4P G24q-1

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-1 ROT			
Nominal lifetime	30,000 hour(s)			
Switching Cycle	200,000			
Lighting Technology	LED			
Flux measurement reference	Sphere			
Light Technical				
Color Code	840 [CCT of 4000K]			
Beam Angle (Nom)	120 degree(s)			
Luminous Flux	660 lm			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	120 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	82			
LLMF At End Of Nominal Lifetime (Nom)	70 %			
Operating and Electrical				
Input Frequency	50 to 60 Hz			
Power Consumption	5.5 W			
Lamp Current (Nom)	30 mA			
Starting Time (Nom)	0.5 s			

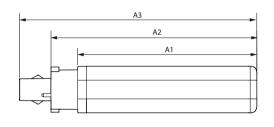
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Ballast Compatibility	HF/Mains
LED alternative to fluorescent lamp power	13 W
Inrush current at mains	-
Max. lamp no. on MCB B type 10A - Mains	-
Max. lamp no. on MCB B type 10A – EM ballast	-
without Compensation Capacitor.	
Max. lamp no. on MCB B type 10A – EM ballast	-
with Compensation Capacitor.	
Max. lamp no. on MCB B type 16A - Mains	-
Max. lamp no. on MCB B type 16A – EM ballast	-
without Compensation Capacitor.	
Max. lamp no. on MCB B type 16A – EM ballast	-
with Compensation Capacitor.	
Temperature	
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No

Datasheet, 2025, March 20 data subject to change

Mechanical and Housing			
Bulb Finish	Frosted		
Bulb Material	Plastic		
Product Length	128 mm		
Bulb Shape	PL-C		
Net Weight (Piece)	0.100 kg		
Approval and Application			
Energy Efficiency Class	E		
Energy Saving Product	Yes		
Approval Marks	RoHS compliance		
Energy Consumption kWh/1000 h	6 kWh		
EPREL Registration Number	1945439		
CE mark	Yes		
EU RoHS compliant	Yes		
Ambient temperature range	-20 to +45 ℃		

Application Conditions			
can it be used in closed luminaires	Yes		
Product Data			
Order product name	CorePro LED PLC 5.5W 840 4P		
	G24q-1		
Full product name	CorePro LED PLC 5.5W 840 4F		
	G24q-1		
Full product code	872016929043300		
Order code	929003757702		
Material Nr. (12NC)	929003757702		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	8720169290433		
Numerator - Packs per outer box	10		
EAN/UPC - Case	8720169290440		

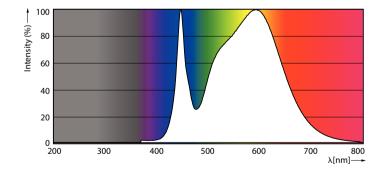
Dimensional drawing



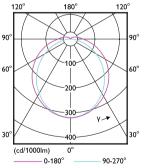


Product	D1	D2	A1	A2	A3
CorePro LED PLC 5.5W 840 4P G24q-1	34 mm	34 mm	109 mm	128 mm	144 mm

Photometric data

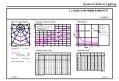






Light Distribution Diagram - CorePro LED PLC 5.5W 840 4P G24q-1

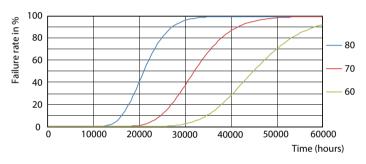
Photometric data

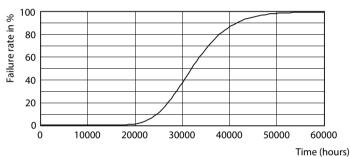


Calculus Photosmetrics 4.5 Philips Lighting G.V. Page: 171

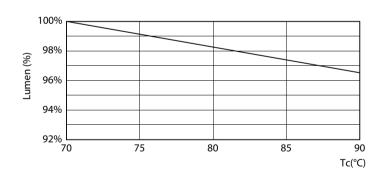
General uniform lighting - CorePro LED PLC 5.5W 840 4P G24q-1

Lifetime

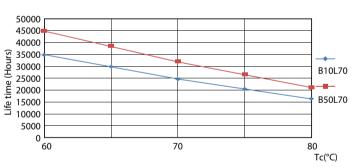




FailureRate



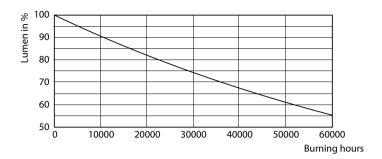
Life Expectancy Diagram



Lumen Maintenance Diagram - CorePro LED PLC 5.5W 840 4P G24q-1

LifetimeVsTc

Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 5.5W 840 4P G24q-1



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