





CorePro LED PLC 8.5W 840 2P G24d-3

CorePro LED PLC 2P 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	G24D-3 [G24d-3]		
Nominal lifetime	30,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LED		
Flux measurement reference	Sphere		
CE mark	Yes		
EU RoHS compliant	Yes		
Light Technical			
Color Code	840 [CCT of 4000K]		
Beam Angle (Nom)	120 degree(s)		
Luminous Flux	1,000 lumen		
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	105.88 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	83		
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Photobiological safety according to EN 62471 RG0			
Operating and Electrical			
Line Frequency	50 to 60 Hz		

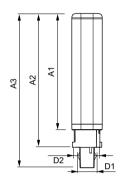
Input Frequency	50 to 60 Hz			
Power Consumption	8.5 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	220-240 V			
LED alternative to fluorescent lamp power	26 W			
Temperature				
Ambient temperature range	-20 °C to 35 °C			
T-Case Maximum (Nom)	75 ℃			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Bulb Material	Plastic			
Product Length	200 mm			
Bulb Shape	Tube, single-ended			
Approval and Application				
Energy Efficiency Class	F			
Energy Saving Product	Yes			

Datasheet, 2023, October 17 data subject to change

Approval Marks	TUV CE marking RoHS compliance KEMA			
	Keur certificate			
Energy Consumption kWh/1000 h	9 kWh			
EPREL Registration Number	403555			
Product Data				
Full product code	871869654125800			
Order product name	CorePro LED PLC 8.5W 840 2P G24d-3			
Order code	929001201302			

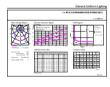
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001201302
Full product name	CorePro LED PLC 8.5W 840 2P G24d-3
EAN/UPC - Case	8718696541265
EAN/UPC - Product/Case	8718696541258

Dimensional drawing



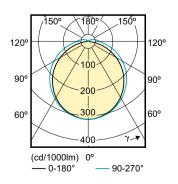
Product	D1	D2	A1	A2	А3
CorePro LED PLC 8.5W 840 2P	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm
G24d-3					

Photometric data

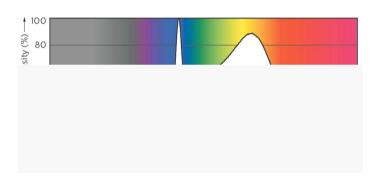


Calculat Photometric 43 Philips Lighting BV. Right 37

General uniform lighting - CorePro LED PLC 8.5W 840 2P G24d-3

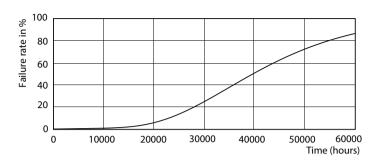


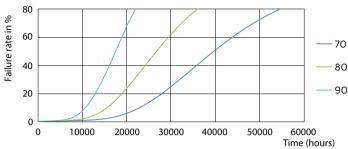
Light Distribution Diagram - CorePro LED PLC 8.5W 840 2P G24d-3



Spectral Power Distribution Colour - CorePro LED PLC 8.5W 840 2P G24d-3

Lifetime

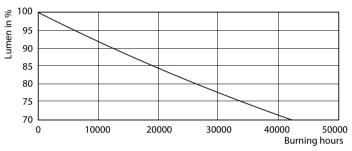




Life Expectancy Diagram - CorePro LED PLC 8.5W 840 2P G24d-3



Life Expectancy Diagram - CorePro LED PLC 8.5W 840 2P G24d-3



Life Expectancy Diagram - CorePro LED PLC 8.5W 840 2P G24d-3



Lumen Maintenance Diagram - CorePro LED PLC 8.5W 840 2P G24d-3

Lumen Maintenance Diagram - CorePro LED PLC 8.5W 840 2P G24d-3



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.