CorePro LED PLC 2P

CorePro LED PLC 4.5W 830 2P G24d-1

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-1 [G24d-1]
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	830 [CCT of 3000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	475 lumen
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	105.00 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	4.5 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	13 W

Temperature	
Ambient temperature range	-20 °C to 35 °C
T-Case Maximum (Nom)	60 °C

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

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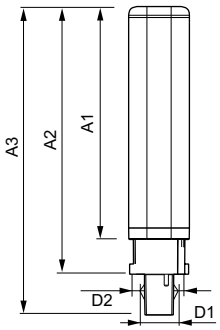
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	5 kWh
EPREL Registration Number	403560

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001350702
Full product name	CorePro LED PLC 4.5W 830 2P G24d-1
EAN/UPC - Case	8718696706602
EAN/UPC - Product/Case	8718696706596

Product Data

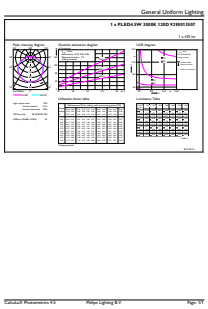
Full product code	871869670659600
Order product name	CorePro LED PLC 4.5W 830 2P G24d-1
Order code	929001350702

Dimensional drawing

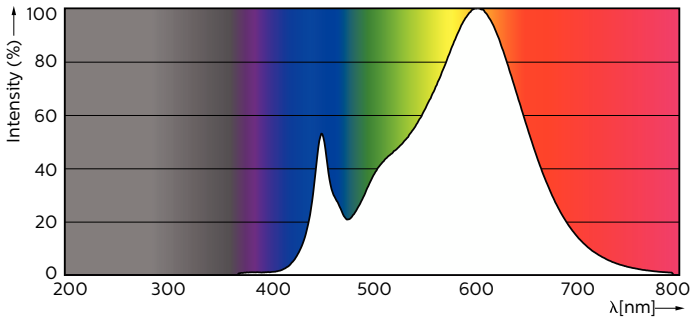


Product	D1	D2	A1	A2	A3
CorePro LED PLC 4.5W 830 2P G24d-1	24.3 mm	28.4 mm	95.8 mm	115 mm	137.6 mm

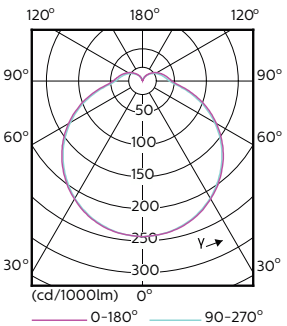
Photometric data



General uniform lighting - CorePro LED PLC 4.5W 830 2P G24d-1

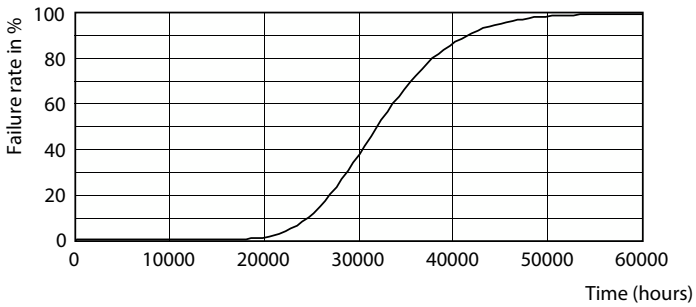


Spectral Power Distribution Colour - CorePro LED PLC 4.5W 830 2P G24d-1



Light Distribution Diagram

Lifetime



Life Expectancy Diagram - CorePro LED PLC 4.5W 830 2P G24d-1

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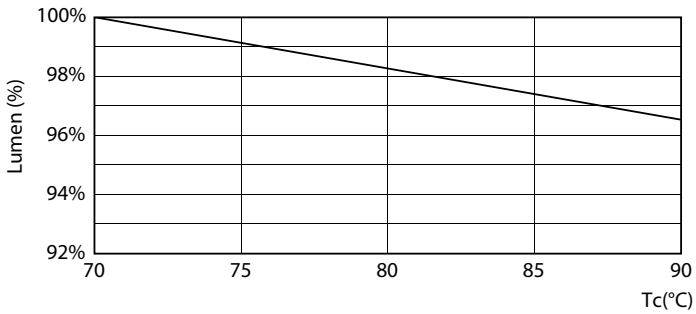
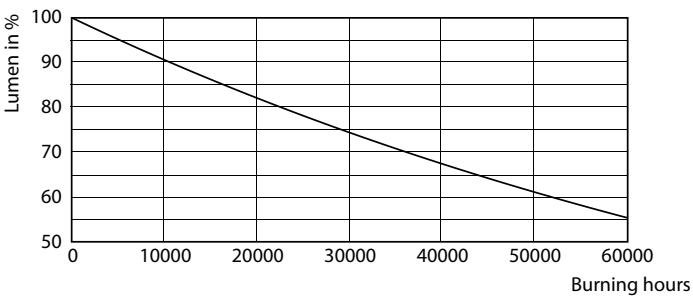


Life Expectancy Diagram - CorePro LED PLC 4.5W 830 2P G24d-1



Lumen Maintenance Diagram

Lumen Maintenance Diagram - CorePro LED PLC 4.5W 830 2P G24d-1

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2023, October 9 - data subject to change