CorePro LED PLC 2P

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CorePro LED PLC 8.5W 830 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	830 [CCT of 3000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	950 lumen
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 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
Lamp Current (Max)	43 mA
Lamp Current (Min)	33 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
LED alternative to fluorescent lamp power	26 W

Temperature

Ambient temperature range	-20 ℃ to 35 ℃
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

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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	9 kWh
EPREL Registration Number	403554

Product Data

Full product code	871869654123400

Order product name	CorePro LED PLC 8.5W 830 2P G24d-3
Order code	929001201202
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	10
Material Nr. (12NC)	929001201202
Full product name	CorePro LED PLC 8.5W 830 2P G24d-3
EAN/UPC – Case	8718696541241
EAN/UPC – Product/Case	8718696541234

Dimensional drawing
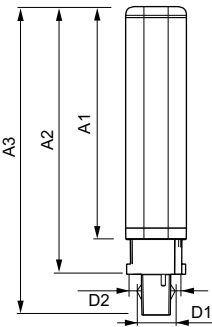
Product	D1	D2	A1	A2	A3
CorePro LED PLC 8.5W 830 2P G24d-3	24.3 mm	28.4 mm	128.8 mm	148 mm	170.6 mm

Photometric data
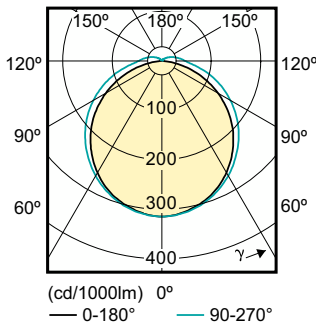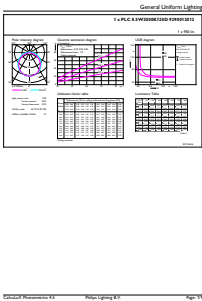
General uniform lighting – CorePro LED PLC 8.5W 830 2P G24d-3

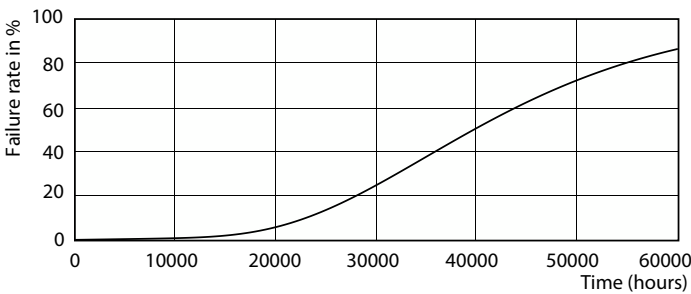Light Distribution Diagram – CorePro LED PLC 8.5W 830 2P G24d-3

CorePro LED PLC 2P
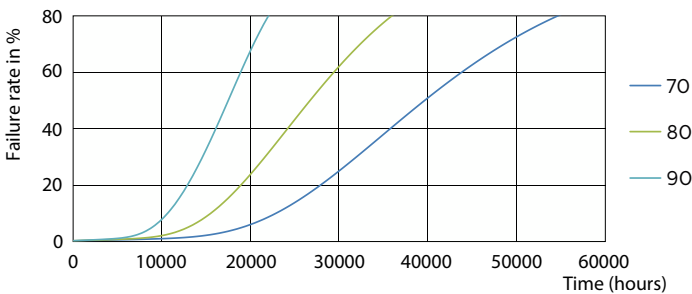
Photometric data

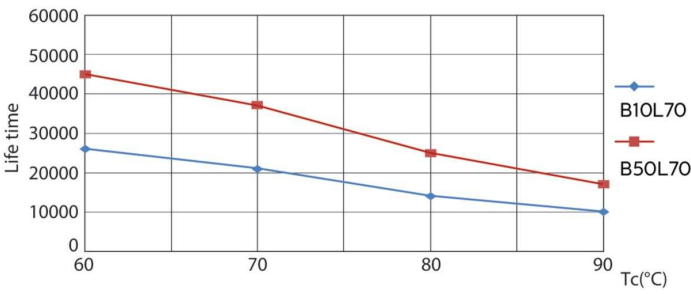Spectral Power Distribution Colour – CorePro LED PLC 8.5W 830 2P G24d-3
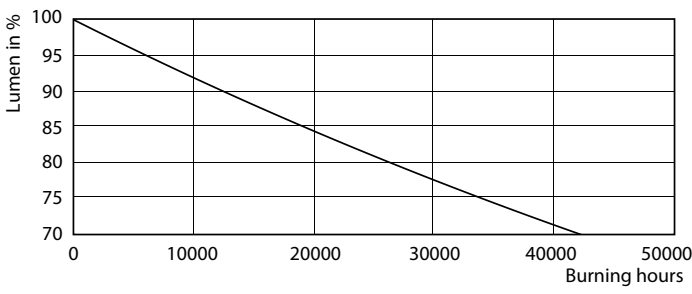
Lifetime

Life Expectancy Diagram – CorePro LED PLC 8.5W 830 2P G24d-3

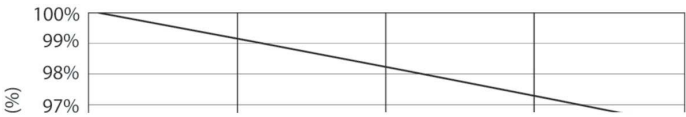Life Expectancy Diagram – CorePro LED PLC 8.5W 830 2P G24d-3

Life Expectancy Diagram – CorePro LED PLC 8.5W 830 2P G24d-3

Lumen Maintenance Diagram – CorePro LED PLC 8.5W 830 2P G24d-3

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Lifetime

Lumen Maintenance Diagram – CorePro LED PLC 8.5W 830 2P G24d-3

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2023, October 9 – data subject to change