CorePro LED PLC 2P

CorePro LED PLC 5.9W 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
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	600 lm
Luminous Efficacy (rated) (Nom)	101 lm/W
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	5.9 W
Lamp Current (Nom)	31 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	13 W
Inrush current at mains	2.78
Max. lamp no. on MCB B type 10A - Mains	276
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	306
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	–
Max. lamp no. on MCB B type 16A - Mains	442
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	490
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	–
Ballast Compatibility	EM/Mains

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Temperature

Ambient temperature range	–20 to +35 °C
T–Case Maximum (Nom)	75 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	100 mm
Bulb Shape	PL–C

Approval and Application

Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	6 kWh

EPREL / CE

|	
EPREL Registration Number	1820629
CE mark	Yes
EU RoHS compliant	Yes

Product Data

Order product name	CorePro LED PLC 5.9W 830 2P G24d–1
Full product name	CorePro LED PLC 5.9W 830 2P G24d–1
Full product code	872016928750100
Order code	929003757002
Material Nr. (12NC)	929003757002
Net Weight (Piece)	0.070 kg
EAN/UPC – Product/Case	8720169287501
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169287518

Dimensional drawing
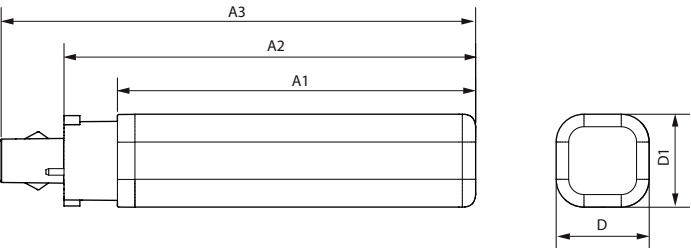
Product	D1	D2	A1	A2	A3
CorePro LED PLC 5.9W 830 2P G24d–1	34 mm		95 mm	115 mm	138 mm

Photometric data
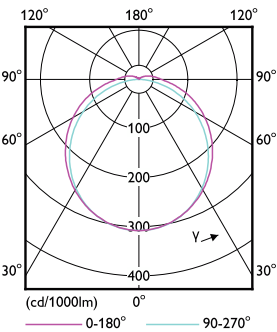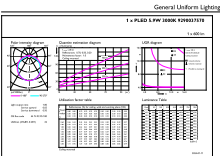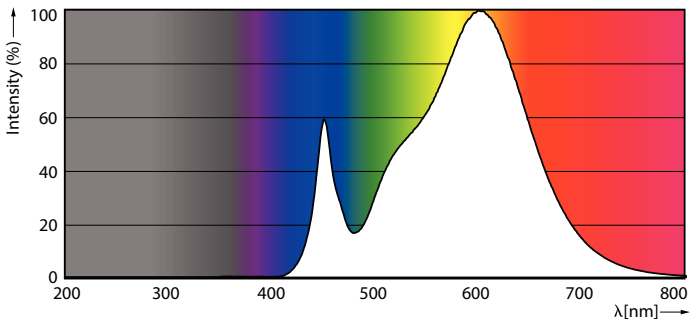

General uniform lighting – CorePro LED PLC 5.9W 830 2P G24d–1

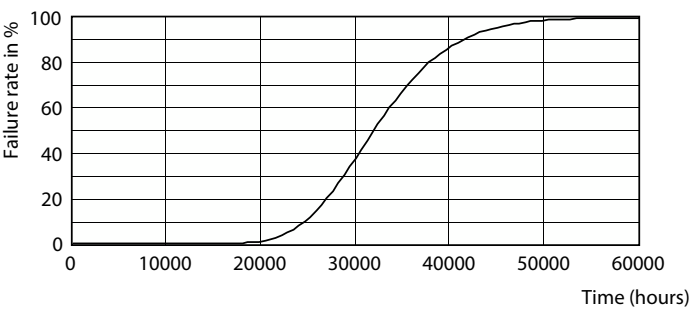Light Distribution Diagram – CorePro LED PLC 5.9W 830 2P G24d–1
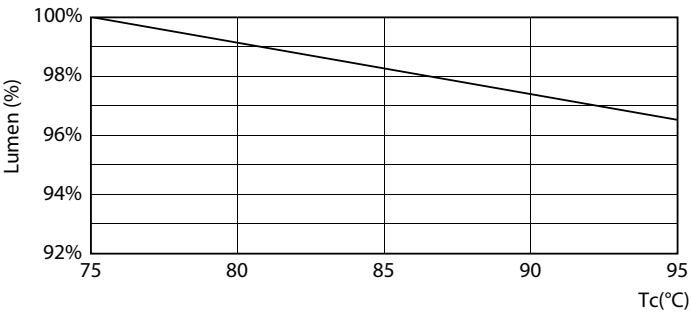
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Photometric data

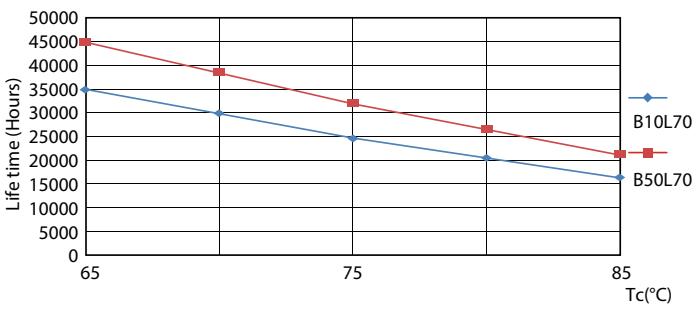**Spectral Power Distribution Colour – CorePro LED PLC 5.9W 830 2P G24d-1**

Lifetime

Life Expectancy Diagram

LifetimeVsTc

Lumen Maintenance Diagram – CorePro LED PLC 5.9W 830 2P G24d-1
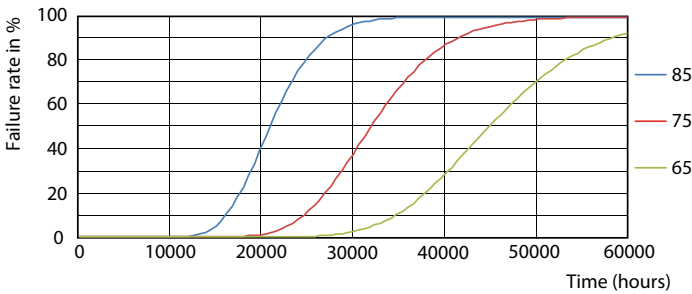
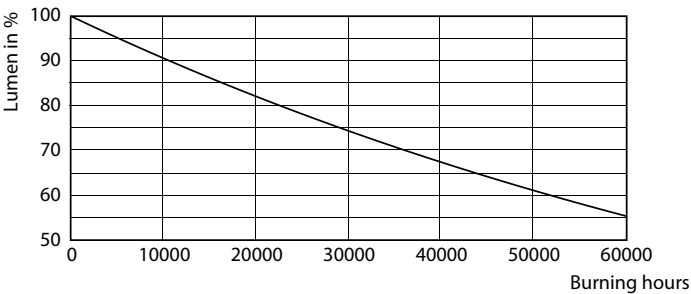**FailureRate**

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Lifetime

Lumen Maintenance Diagram – CorePro LED PLC 5.9W 830 2P G24d-1

www.lighting.philips.com

2024, May 20 – data subject to change