PHILIPS Lighting

CorePro LED PLC 2P

CorePro LED PLC 8.9W 830 2P G24d-3

The 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
Nominal lifetime	30,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical

Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	990 lm
Luminous efficacy (rated) (nom.)	111 lm/W
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Colour consistency	<6
Colour rendering index (CRI)	82
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Input frequency	50 to 60 Hz

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Power Consumption	8.9 W
Lamp current (nom.)	52 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
Inrush current at mains	2.77
Max. lamp no. on MCB B type 10A — Mains	198
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	198
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	–
Max. lamp no. on MCB B type 16A — Mains	317
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	317
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	–
Ballast Compatibility	EM/Mains

Temperature

Ambient temperature range	–20 to +35 °C

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T–Case maximum (nom.)	75 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Plastic
Product length	200 mm
Bulb shape	PL–C

Approval and Application

Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking
	KEMA Keur certificate
Energy consumption kWh/1,000 hours	9 kWh
EPREL registration number	1820627

CE mark	Yes
EU RoHS compliant	Yes

Product Data

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Order product name	CorePro LED PLC 8.9W 830 2P G24d–3
Full product name	CorePro LED PLC 8.9W 830 2P G24d–3
Full EOC	872016928758700
Order code	28758700
Material no. (12 NC)	929003757402
SAP numerator – quantity per pack	1
Net Weight (Piece)	0.090 kg
EAN/UPC — Product/Case	8720169287587
Numerator – packs per outer box	10
EAN/UPC – Case	8720169287594

Dimensional drawing
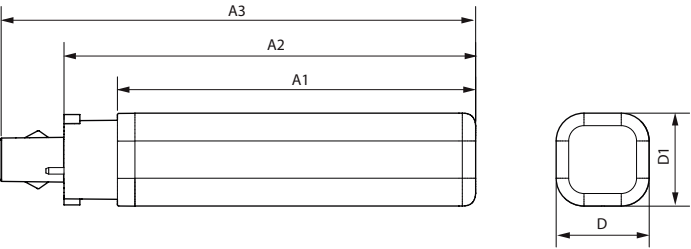
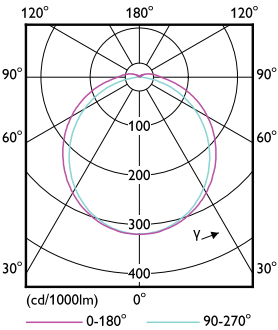| Product	D1	A1	A2	A3
CorePro LED PLC 8.9W 830 2P G24d–3	34 mm	129 mm	148 mm	171 mm

Photometric data
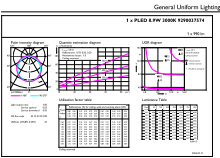
General uniform lighting – CorePro LED PLC 8.9W 830 2P G24d–3
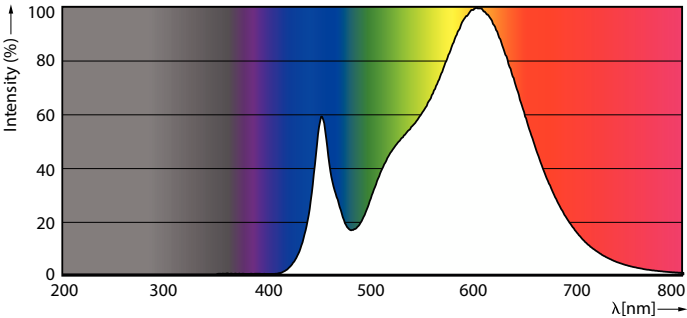
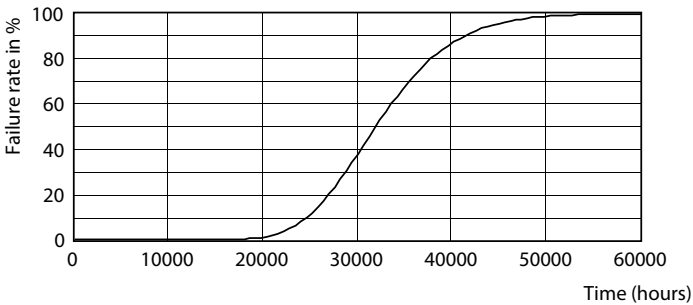**Spectral Power Distribution Colour – CorePro LED PLC 8.9W 830 2P G24d–3**
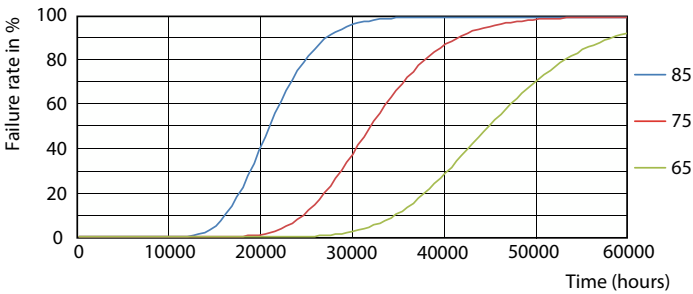
CorePro LED PLC 2P
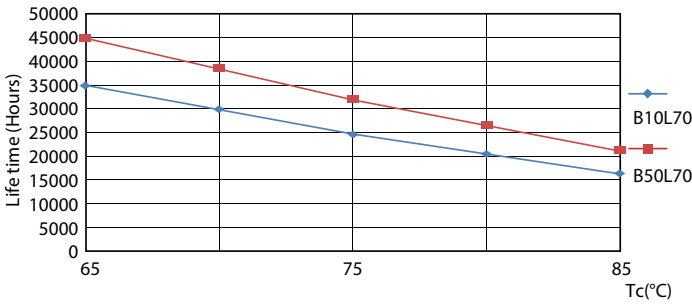
Photometric data
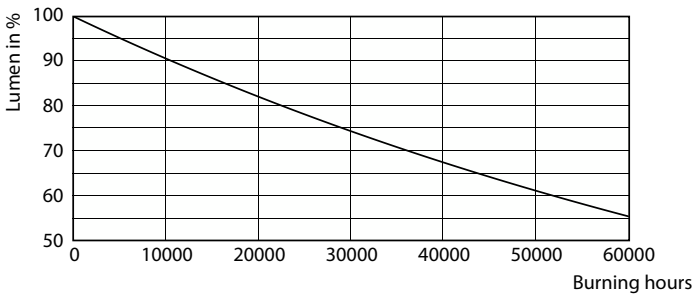
Lifetime

Life Expectancy Diagram

LifetimeVsTc

FailureRate
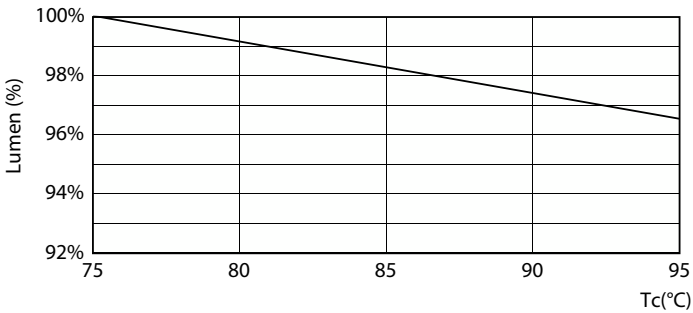

Lumen Maintenance Diagram – CorePro LED PLC 8.9W 830 2P G24d–3

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Lifetime

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2024, April 18 – data subject to change