CorePro LED PLL

CorePro LED PLL HF 24W 840 4P 2G11

Philips CorePro LED PLL is the ideal uplamping solution for downlights & luminaires in a wide range of general lighting applications. It integrates a LED light source into a traditional fluorescent form factor to offer superb energy savings over a lifetime that's twice as long as fluorescent alternatives.

Product data

General Information

Cap-Base	2G11 [2G11]
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)	160 degree(s)
Luminous Flux	3,400 lumen
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141.00 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	20000-70000 Hz

Input Frequency

Input Frequency	20000-70000 Hz
Power Consumption	24 W
Lamp Current (Max)	600 mA
Lamp Current (Min)	400 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	53-77 V
LED alternative to fluorescent lamp power	55 W

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Product Length	540 mm
Bulb Shape	Tube, single-ended

Approval and Application

Energy Efficiency Class	E

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Energy Saving Product	Yes		**Order code**	929001920502
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate		**Numerator – Quantity Per Pack**	1
			Numerator – Packs per outer box	10
Energy Consumption kWh/1000 h	24 kWh		**Material Nr. (12NC)**	929001920502
EPREL Registration Number	387356		**Full product name**	CorePro LED PLL HF 24W 840 4P 2G11
			EAN/UPC – Case	8718696828427
Product Data			**EAN/UPC – Product/Case**	8718696828410
Full product code	871869682841000			
Order product name	CorePro LED PLL HF 24W 840 4P 2G11			

Dimensional drawing
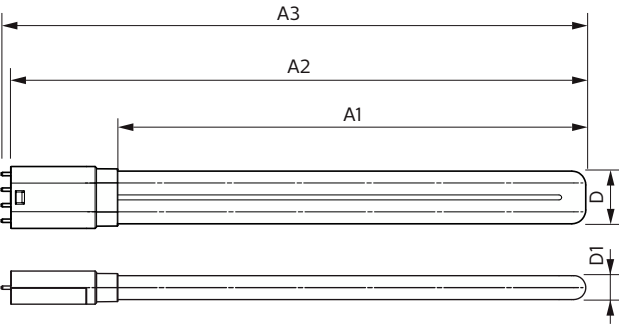
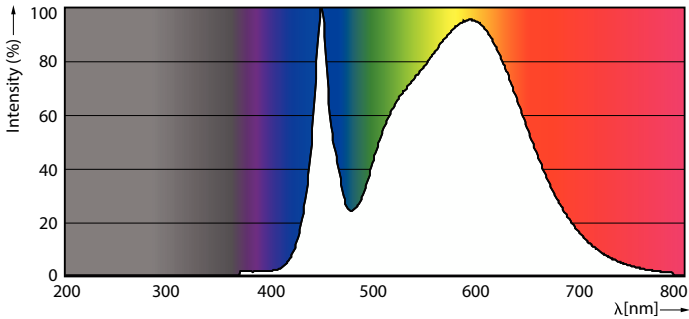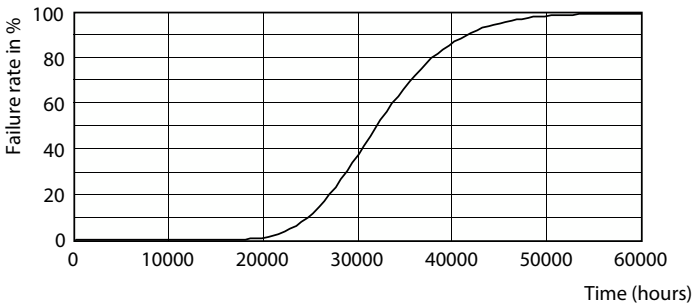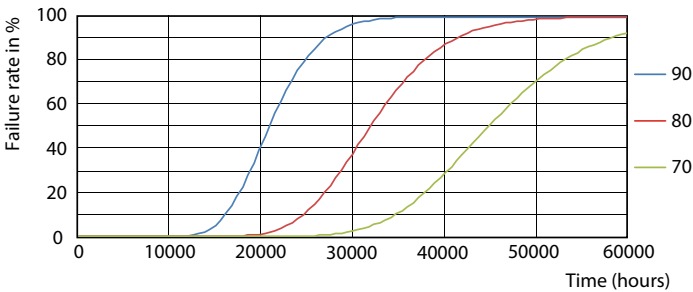| Product	D	D1	A1	A2	A3
CorePro LED PLL HF 24W 840 4P 2G11	37.6 mm	17 mm	453 mm	528.5 mm	535.1 mm

Photometric data
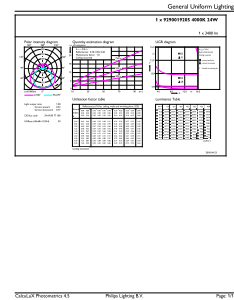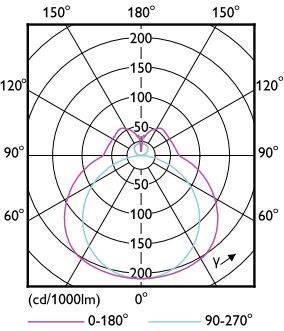
Light Distribution Diagram – CorePro LED PLL HF 24W 840 4P 2G11

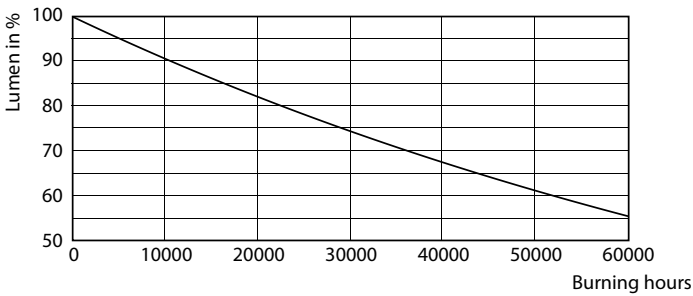General uniform lighting – CorePro LED PLL HF 24W 840 4P 2G11

Spectral Power Distribution Colour – CorePro LED PLL HF 24W 840 4P 2G11
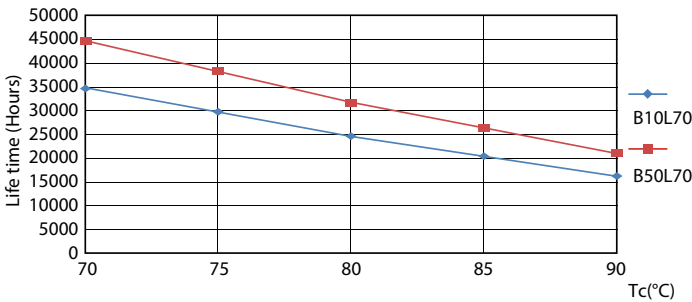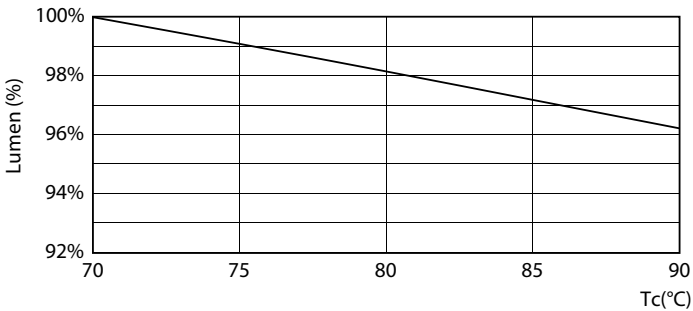
Lifetime

Life Expectancy Diagram – CorePro LED PLL HF 24W 840 4P 2G11

Life Expectancy Diagram – CorePro LED PLL HF 24W 840 4P 2G11

Lumen Maintenance Diagram – CorePro LED PLL HF 24W 840 4P 2G11

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2023, October 9 – data subject to change