CorePro LED PLL

CorePro LED PLL HF 16.5W 830 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
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)	160 degree(s)
Luminous Flux	2,000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	121.00 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	39000–71000 Hz
Input Frequency	39000–71000 Hz
Power Consumption	16.5 W

Lamp Current (Max)	420 mA
Lamp Current (Min)	290 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	36 W
Inrush current at mains	–
Max. lamp no. on MCB B type 10A – Mains	–
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	–
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	–
Max. lamp no. on MCB B type 16A – Mains	–
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	–
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	–
Ballast Compatibility	HF

Temperature

T-Case Maximum (Nom)	70 ℃

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Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Material	Glass
Product Length	405 mm
Bulb Shape	PL-L
Net Weight (Piece)	0.160 kg

| Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	387352
CE mark	Yes
EU RoHS compliant	Yes

Ambient temperature range	−20 °C to 45 °C

Product Data	
Order product name	CorePro LED PLL HF 16.5W 830 4P 2G11
Full product name	CorePro LED PLL HF 16.5W 830 4P 2G11
Full product code	871869673966200
Order code	929001381502
Material Nr. (12NC)	929001381502
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696739662
Numerator – Packs per outer box	10
EAN/UPC – Case	8718696739679

Dimensional drawing
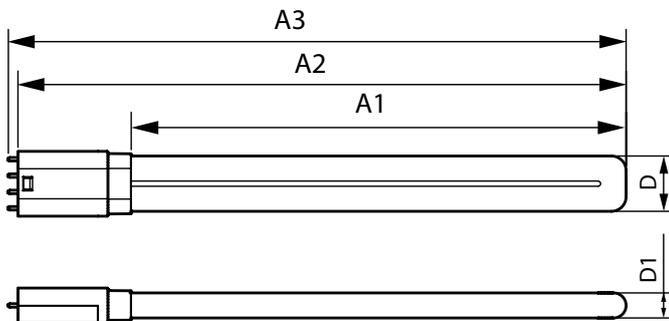
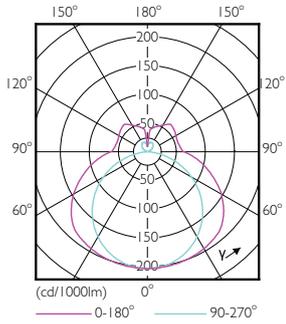| Product	D1	D	A1	A2	A3
CorePro LED PLL HF 16.5W 830 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm

Photometric data
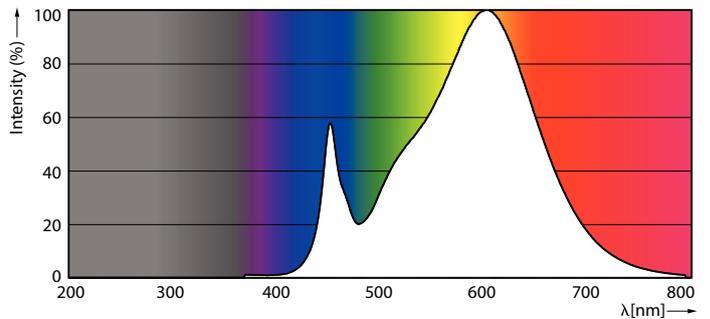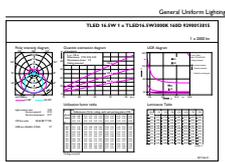
General uniform lighting – CorePro LED PLL HF 16.5W 830 4P 2G11

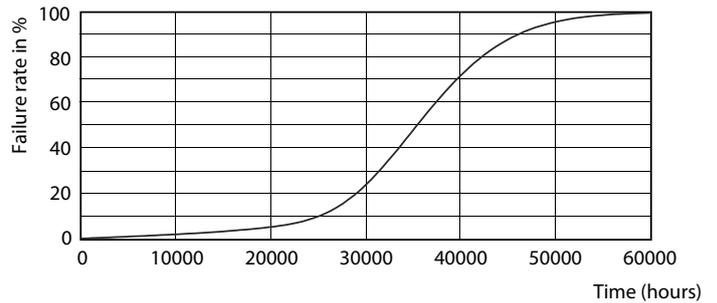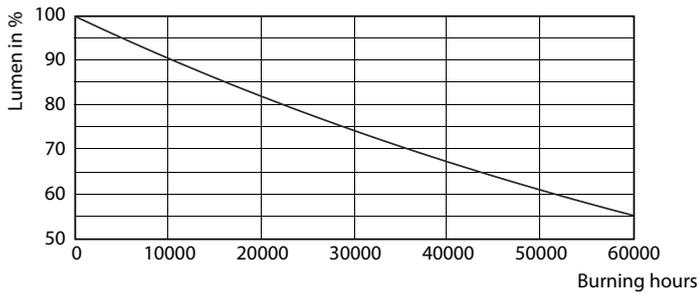Spectral Power Distribution Colour – CorePro LED PLL HF 16.5W 830 4P 2G11
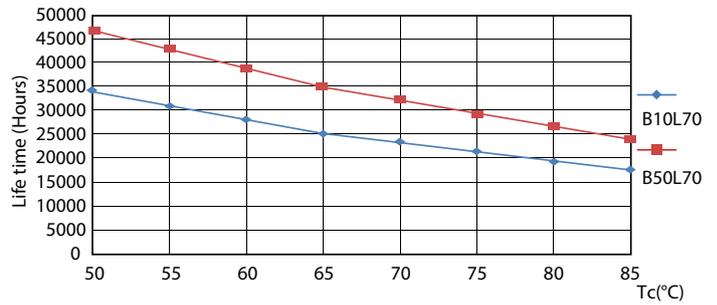
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Photometric data

Lifetime

Lifetime

Lumen Maintenance Diagram – CorePro LED PLL HF 16.5W 830 4P 2G11