



# CorePro LED PLL



## CorePro LED PLL HF 16.5W 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
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	127.00 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
Ballast Compatibility	HF
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.	-

Temperature	
T-Case Maximum (Nom)	70 °C

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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

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

## Approval and Application

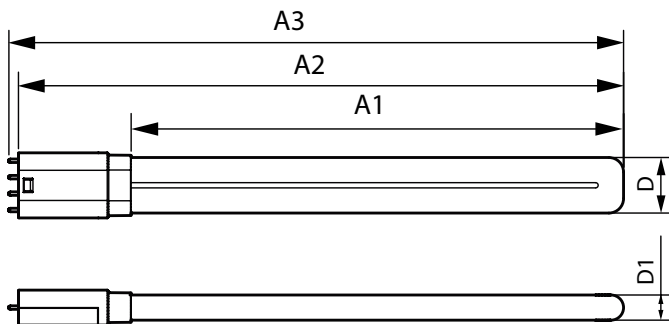
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	387353
CE mark	Yes
EU RoHS compliant	Yes

Ambient temperature range	-20 °C to 45 °C
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## Product Data

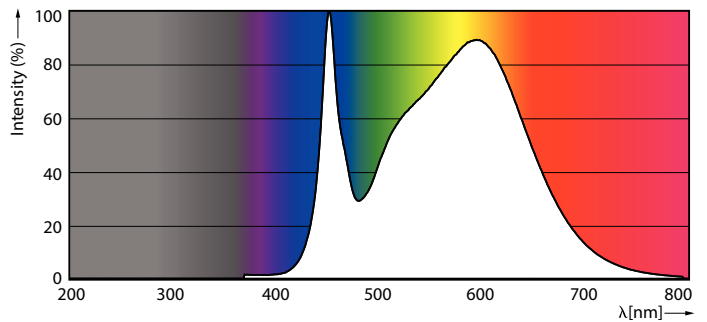
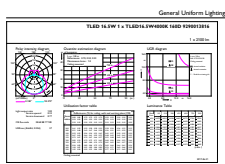
Order product name	CorePro LED PLL HF 16.5W 840 4P 2G11
Full product name	CorePro LED PLL HF 16.5W 840 4P 2G11
Full product code	871869673974700
Order code	929001381602
Material Nr. (12NC)	929001381602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696739747
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696739754

## Dimensional drawing



Product	D1	D	A1	A2	A3
CorePro LED PLL HF 16.5W 840 4P 2G11	17 mm	38 mm	330 mm	405 mm	412 mm

## Photometric data

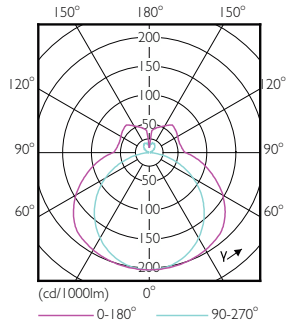


General uniform lighting - CorePro LED PLL HF 16.5W 840 4P 2G11

Spectral Power Distribution Colour - CorePro LED PLL HF 16.5W 840 4P 2G11

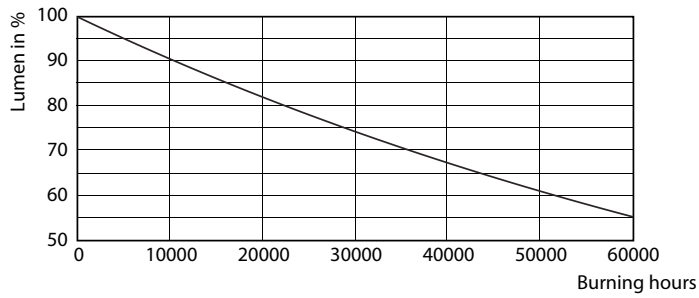
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## Photometric data

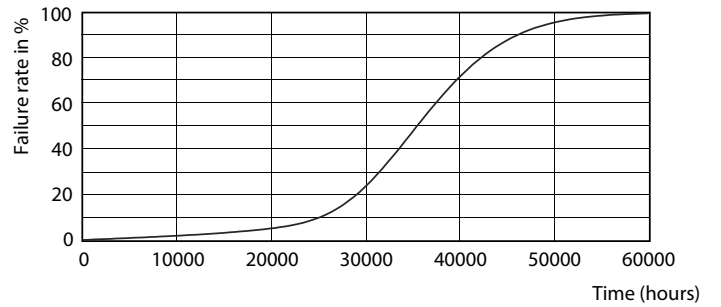


Light Distribution Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11

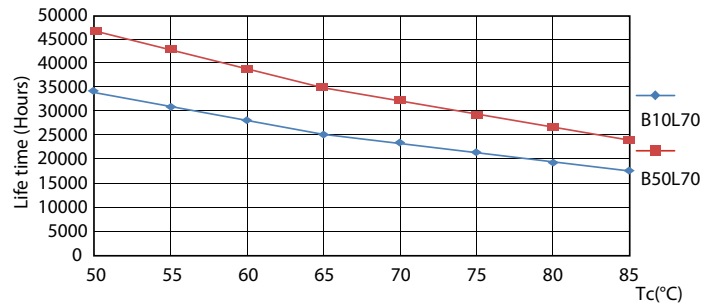
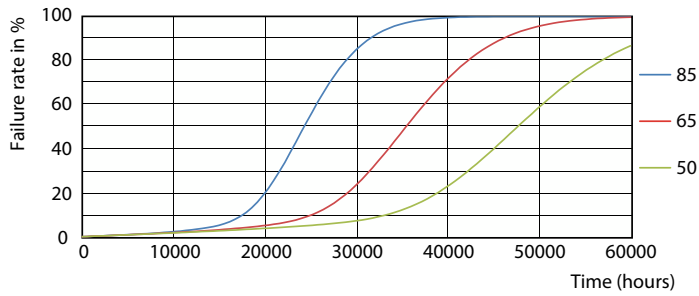
## Lifetime



Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11



LEDtube PLC 400mm 16-5W 2G11 830 2000lm

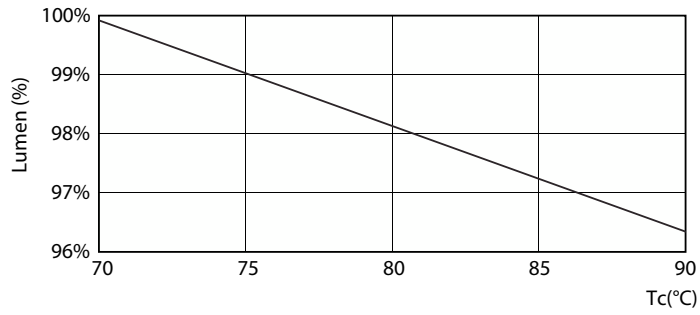


LEDtube PLC 400mm 16-5W 2G11 830 2000lm

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## Lifetime



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