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
CE mark	Yes
EU RoHS compliant	Yes

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
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 Comp. Cap.	-
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	-
Max. lamp no. on MCB B type 16A - Mains	-
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	-
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	-
Ballast Compatibility	HF

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

Controls and Dimming	
Dimmable	No

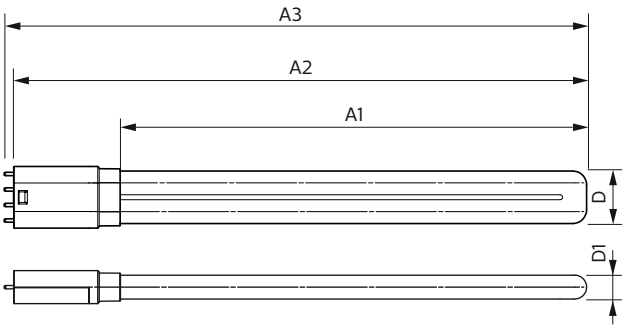
Mechanical and Housing	
Bulb Material	Glass
Product Length	405 mm
Bulb Shape	PL-L

Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	387353

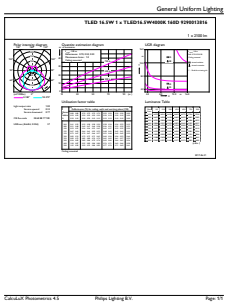
Product Data	
Order product name	CorePro LED PLL HF 16.5W 840 4P 2G11
Full product name	CorePro LED PLL HF 16.5W 840 4P 2G11
Full product code	871869673974700
Order code	929001381602
Material Nr. (12NC)	929001381602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696739747
Numerator - Packs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

Dimensional drawing

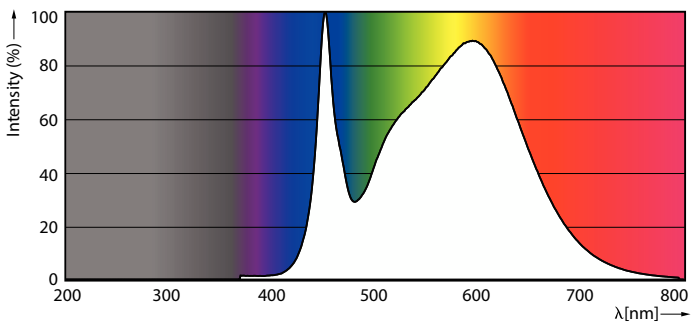


Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 16.5W 840 4P 2G11	43.6 mm	23.4 mm	329.5 mm	405 mm	411.6 mm

Photometric data

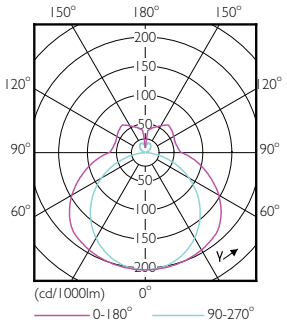


General uniform lighting - CorePro LED PLL HF 16.5W 840 4P 2G11



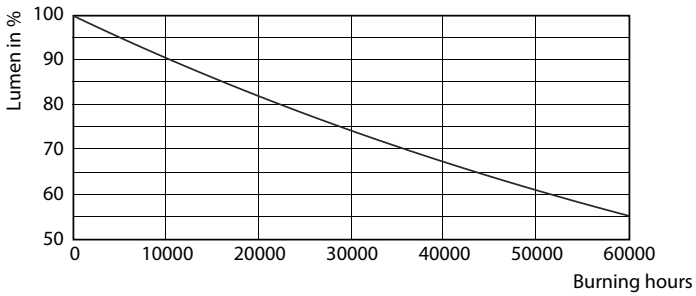
Spectral Power Distribution Colour - CorePro LED PLL HF 16.5W 840 4P 2G11

Photometric data

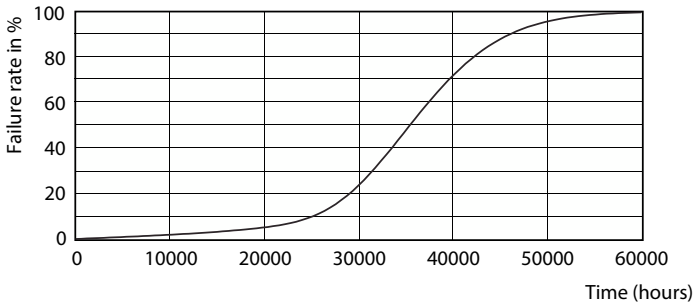


Light Distribution Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11

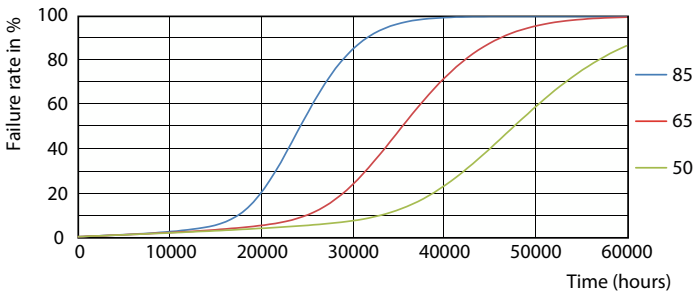
Lifetime



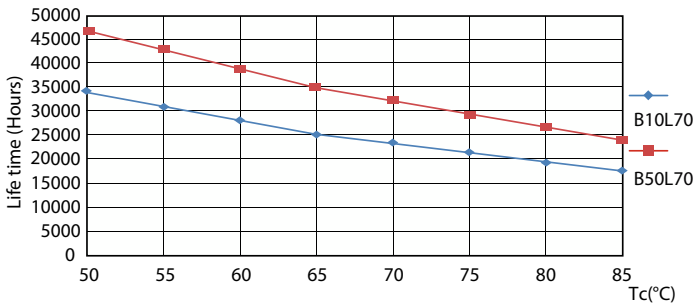
Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 840 4P 2G11

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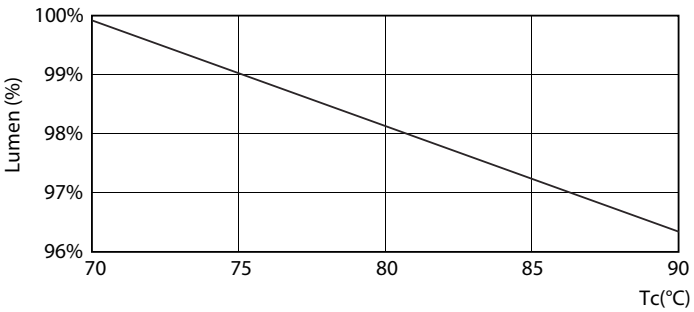
Lifetime



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

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