PHILIPS

Lighting

CorePro LED PLL

CorePro LED PLL HF 16.5W 865 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	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,100 lumen
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 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

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	400 mm
Bulb Shape	Tube, single-ended

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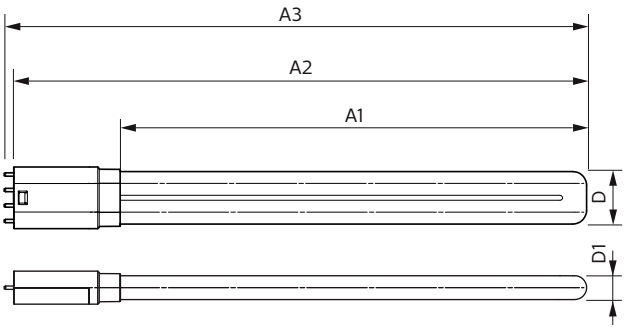
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	387354

Product Data	
Full product code	871869673976100

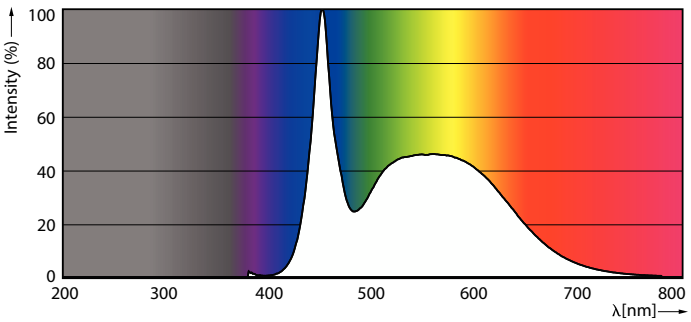
Order product name	CorePro LED PLL HF 16.5W 865 4P 2G11
Order code	929001381702
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001381702
Full product name	CorePro LED PLL HF 16.5W 865 4P 2G11
EAN/UPC - Case	8718696739778
EAN/UPC - Product/Case	8718696739761

Dimensional drawing

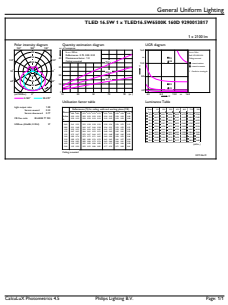


Product	D1	D2	A1	A2	A3
CorePro LED PLL HF 16.5W 865 4P 2G11	43.6 mm	23.4 mm	329.5 mm	405 mm	411.6 mm

Photometric data

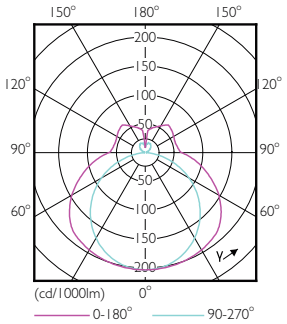


Spectral Power Distribution Colour - CorePro LED PLL HF 16.5W 865 4P 2G11



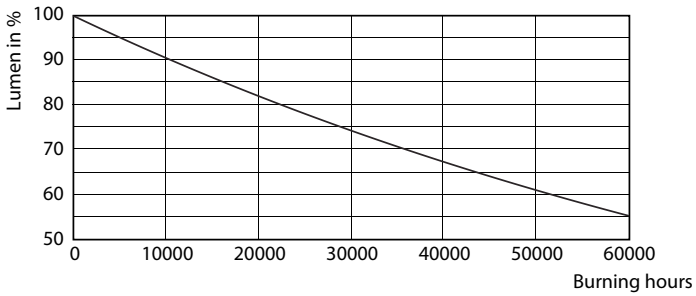
General uniform lighting - CorePro LED PLL HF 16.5W 865 4P 2G11

Photometric data

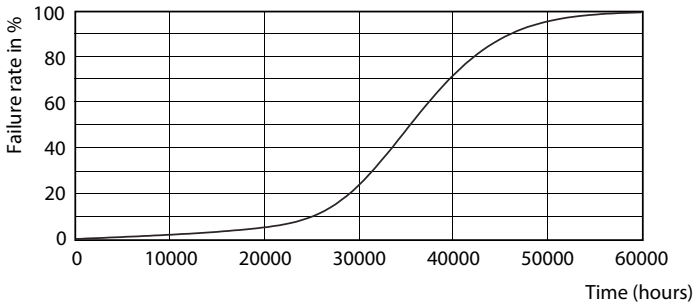


Light Distribution Diagram - CorePro LED PLL HF 16.5W 865 4P 2G11

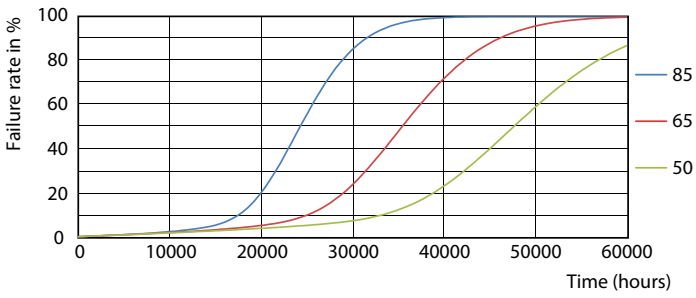
Lifetime



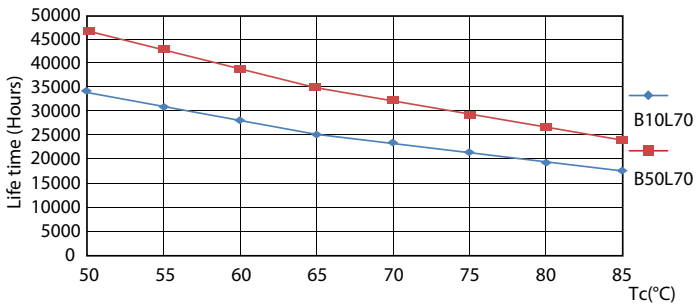
Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 865 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 865 4P 2G11



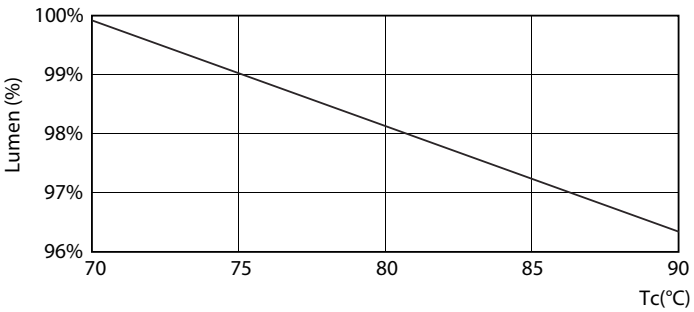
Life Expectancy Diagram - CorePro LED PLL HF 16.5W 865 4P 2G11



Life Expectancy Diagram - CorePro LED PLL HF 16.5W 865 4P 2G11

CorePro LED PLL

Lifetime



Lumen Maintenance Diagram - CorePro LED PLL HF 16.5W 865 4P 2G11

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