



CorePro LED PLL



CorePro LED Urban PLL Mains 18W 840

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	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	360 degree(s)
Luminous Flux	2,300 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	127 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Photobiological safety according to EN 62471	RG0
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	18 W
Lamp Current (Nom)	100 mA

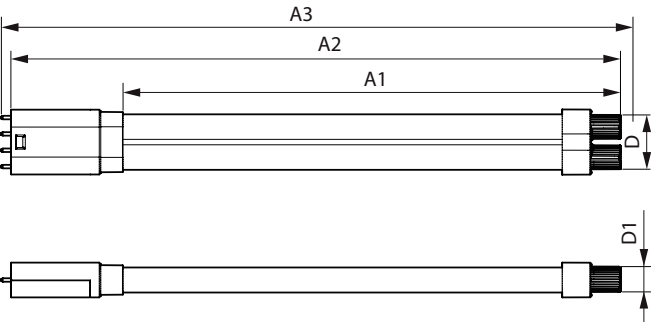
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	36 W
Inrush current at mains	4.3
Max. lamp no. on MCB B type 10A - Mains	100
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	-
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	160
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	Mains
Temperature	
T-Case Maximum (Nom)	55 °C

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Plastic
Product Length	410 mm
Bulb Shape	PL-L
Net Weight (Piece)	0.150 kg
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1826745
CE mark	Yes
EU RoHS compliant	Yes

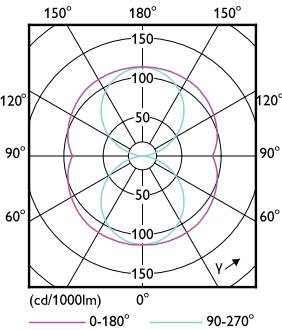
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-30 to +45 °C
Product Data	
Order product name	CorePro LED Urban PLL Mains 18W 840
Full product name	CorePro LED Urban PLL Mains 18W 840
Full product code	872016928722800
Order code	929003758502
Material Nr. (12NC)	929003758502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169287228
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169287235

Dimensional drawing

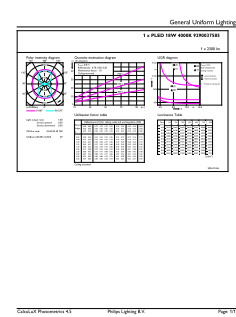


Product	D1	D2	A1	A2	A3
CorePro LED Urban PLL Mains 18W 840	17 mm	37 mm	335 mm	410 mm	416 mm

Photometric data



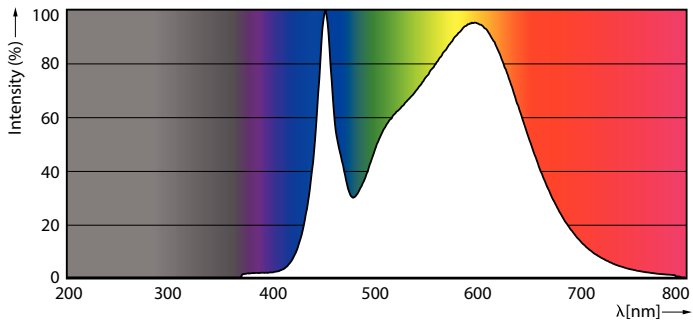
Light Distribution Diagram - CorePro LED Urban PLL Mains 18W 840



General uniform lighting - CorePro LED Urban PLL Mains 18W 840

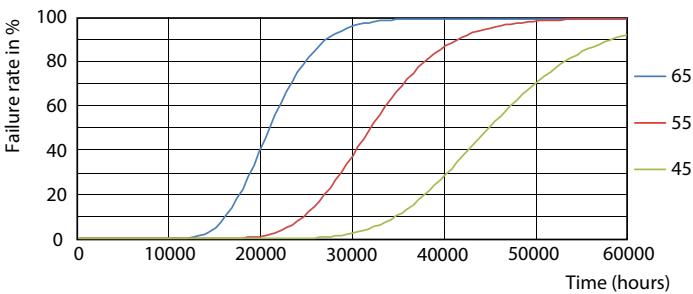
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Photometric data

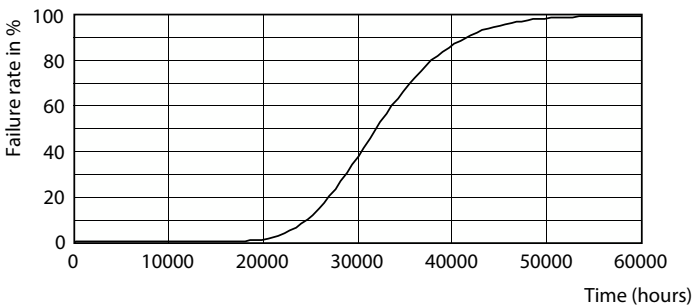


Spectral Power Distribution Colour - CorePro LED Urban PLL Mains 18W 840

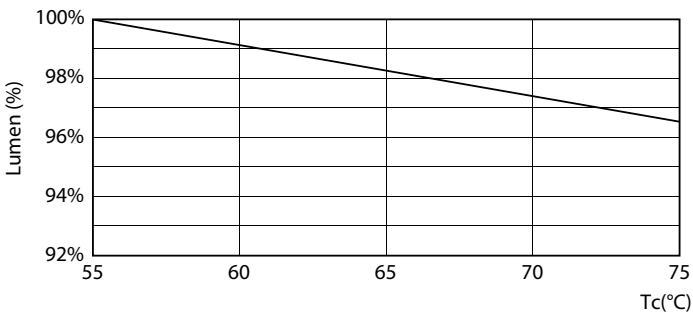
Lifetime



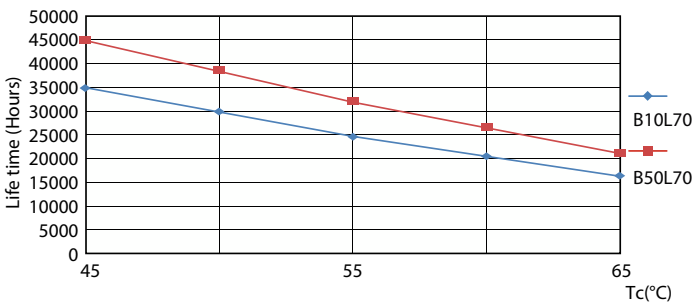
FailureRate



Life Expectancy Diagram



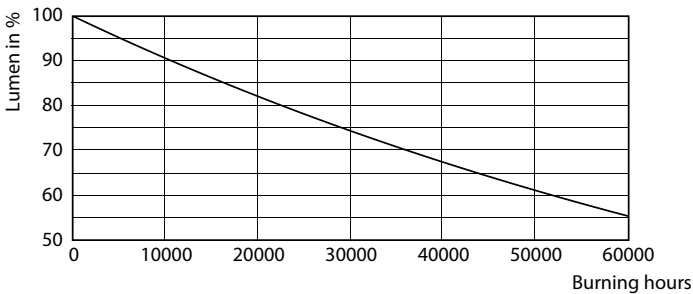
Lumen Maintenance Diagram - CorePro LED Urban PLL Mains 18W 840



LifetimeVsTc

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Lifetime



Lumen Maintenance Diagram - CorePro LED Urban PLL Mains 18W 840

