CorePro LED PLL

CorePro LED Urban PLL Mains 18W 830

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

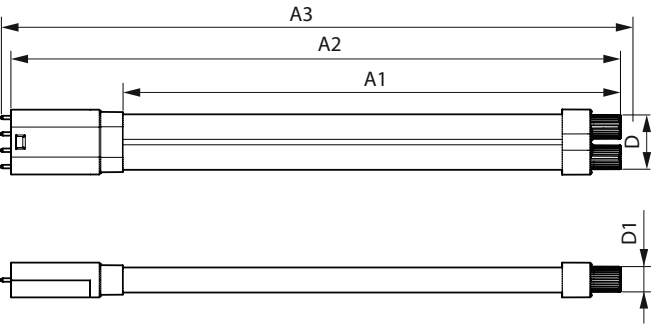|	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	360 degree(s)
Luminous Flux	2,100 lm
Luminous Efficacy (rated) (Nom)	116 lm/W
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
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

CorePro LED PLL

Temperature

Ambient temperature range	–30 to +45 ℃
T–Case Maximum (Nom)	55 ℃

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Plastic
Product Length	400 mm
Bulb Shape	PL-L

Approval and Application

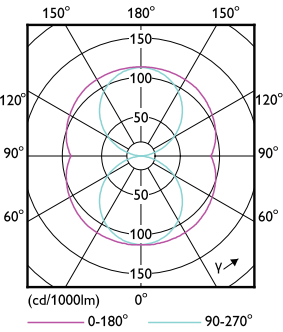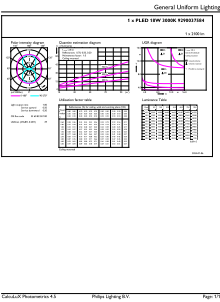|	
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	18 kWh
EPREL Registration Number	1826744

Energy Efficiency Class	E
CE mark	Yes
EU RoHS compliant	Yes

Product Data

Order product name	CorePro LED Urban PLL Mains 18W 830
Full product name	CorePro LED Urban PLL Mains 18W 830
Full product code	872016928720400
Order code	929003758402
Material Nr. (12NC)	929003758402
Net Weight (Piece)	0.150 kg
EAN/UPC – Product/Case	8720169287204
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169287211

Dimensional drawing

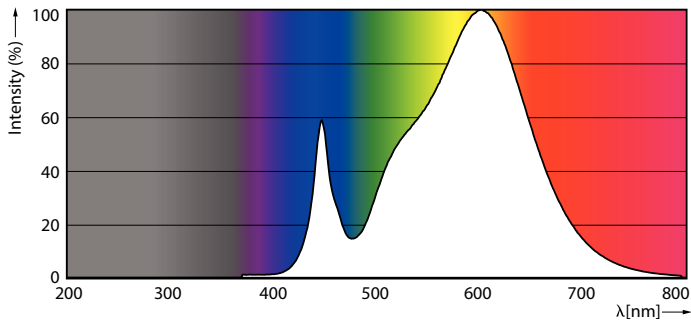| Product	D1	D	A1	A2	A3
CorePro LED Urban PLL Mains 18W 830	17 mm	37 mm	335 mm	410 mm	416 mm

Photometric data

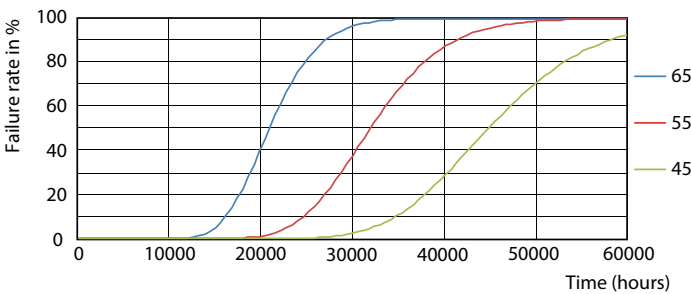General uniform lighting – CorePro LED Urban PLL Mains 18W 830

Light Distribution Diagram – CorePro LED Urban PLL Mains 18W 830
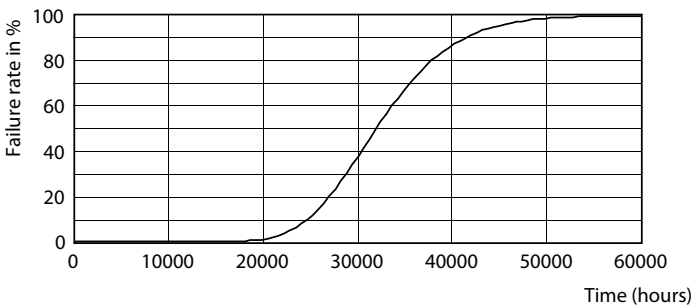
CorePro LED PLL

Photometric data

Spectral Power Distribution Colour – CorePro LED Urban PLL Mains 18W 830
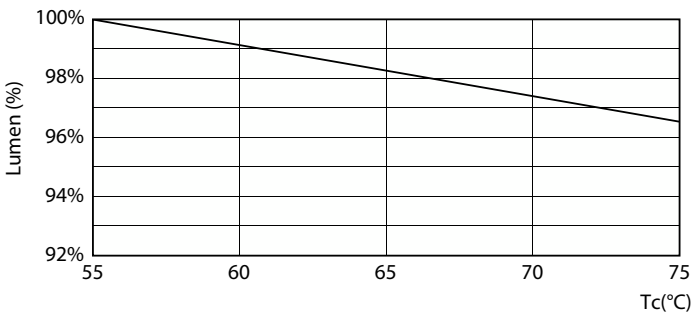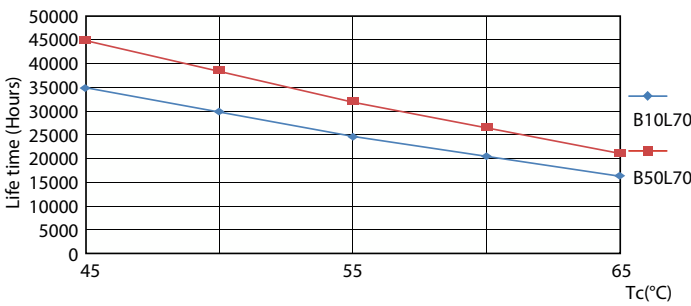
Lifetime

FailureRate

Life Expectancy Diagram

Lumen Maintenance Diagram – CorePro LED Urban PLL Mains 18W 830

LifetimeVsTc

CorePro LED PLL

Lifetime

Y-axis: Lumen in % (50, 60, 70, 80, 90, 100)
X-axis: Burning hours (0, 10000, 20000, 30000, 40000, 50000, 60000)

Lumen Maintenance Diagram – CorePro LED Urban PLL Mains 18W 830

www.lighting.philips.com

2024, April 27 – data subject to change