# **PHILIPS** Lighting

# **CorePro LED PLL**



# CorePro LED PLL Mains 24W 830 4P

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	200,000	
Lighting Technology	LED	
Flux measurement reference	Sphere	
Light Technical		
Color Code	830 [CCT of 3000K]	
Beam Angle (Nom)	160 degree(s)	
Luminous Flux	3,200 lumen	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	133 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom) 70 %		

#### Operating and Electrical

Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	24 W
Lamp Current (Nom)	127 mA

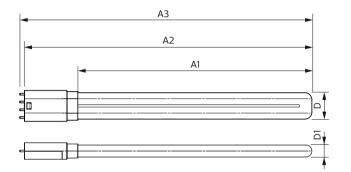
Starting Time (Nom)	0.5 s		
Warm-up time to 60% light	0.5 s		
Power Factor (Fraction)	0.9		
Voltage (Nom)	220-240 V		
Temperature			
Ambient temperature range	-20 ℃ to 45 ℃		
T-Case Maximum (Nom)	75 ℃		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Finish	Frosted		
Bulb Material	Glass		
Product Length	500 mm		
Bulb Shape	Tube, single-ended		
Approval and Application			
Energy Efficiency Class	E		
Energy Saving Product	Yes		
Approval Marks	RoHS compliance TUV CE marking KEMA Keur		
	certificate		

## CorePro LED PLL

Energy Consumption kWh/1000 h	24 kWh		
EPREL Registration Number 1370829			
EU RoHS compliant	Yes		
Product Data			
Full product code 872016915711800			
Order product name	CorePro LED PLL Mains 24W 830 4P		
Order code 929003592802			

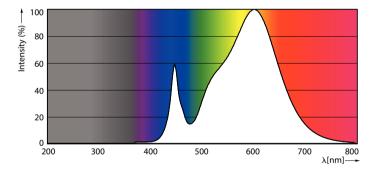
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	10	
Material number (12NC)	929003592802	
Full product name	CorePro LED PLL Mains 24W 830 4P	
EAN/UPC - Case	8720169157125	

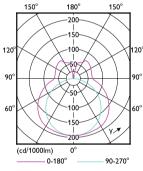
#### Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLL Mains 24W 830 4P	17 mm		453 mm	528 mm	535 mm

#### Photometric data





Spectral Power Distribution Colour

	1 × PLL 14W IS	OCK. 9290035928
		5 e 3299 in
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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Light Distribution Diagram

General uniform lighting - CorePro LED PLL Mains 24W 830 4P

# CorePro LED PLL

#### Lifetime

100%

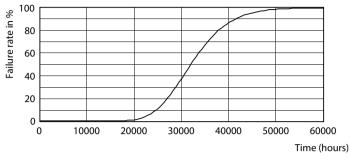
98%

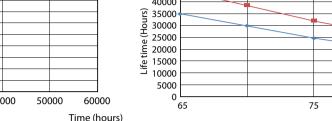
96%

94%

92% ∟ 75

Lumen (%)





50000

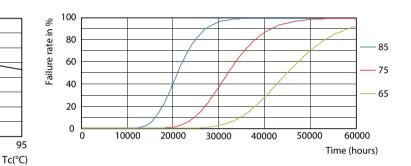
45000

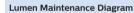
40000

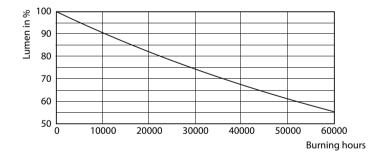
Life Expectancy Diagram - CorePro LED PLL Mains 24W 830 4P

80









85

90

Life Expectancy Diagram

B10L70

-B50L70

85 Tc(°C)

Lumen Maintenance Diagram - CorePro LED PLL Mains 24W 830 4P

### CorePro LED PLL



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