



# CorePro LED PLC 4P



## CorePro LED PLC 6.5W 830 4P G24q-2

The CorePro LED PLC 4P integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplamping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environmentally friendly.

### Product data

General Information		Input Frequency	
Cap-Base	G24q-2	Input Frequency	30000-80000 Hz
Nominal lifetime	30,000 hour(s)	Power Consumption	6.5 W
Switching Cycle	50,000	Lamp Current (Max)	300 mA
Lighting Technology	LED	Lamp Current (Min)	150 mA
Flux measurement reference	Sphere	Starting Time (Nom)	0.5 s
CE mark	Yes	Warm-up time to 60% light	0.5 s
EU RoHS compliant	Yes	Power Factor (Fraction)	0.9
		Voltage (Nom)	20-50 V
		LED alternative to fluorescent lamp power	18 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
Light Technical			
Color Code	830 [CCT of 3000K]		
Beam Angle (Nom)	120 degree(s)		
Luminous Flux	650 lm		
Color Designation	White (WH)		
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	92.31 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	30000-80000 Hz		

# CorePro LED PLC 4P

## Temperature

Ambient temperature range	-20 °C to 35 °C
T-Case Maximum (Nom)	66 °C

## Controls and Dimming

Dimmable	No
----------	----

## Mechanical and Housing

Bulb Material	Plastic
Product Length	100 mm
Bulb Shape	PL-C

## Approval and Application

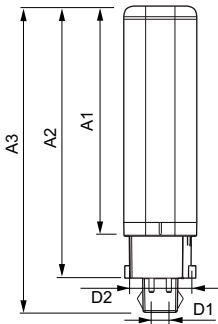
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	7 kWh
EPREL Registration Number	403552

## Product Data

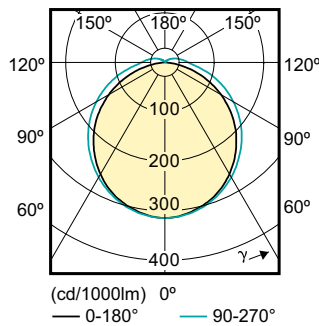
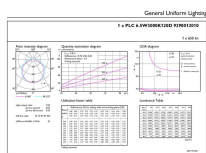
Order product name	CorePro LED PLC 6.5W 830 4P G24q-2
Full product name	CorePro LED PLC 6.5W 830 4P G24q-2
Full product code	871869654119700
Order code	929001201002
Material Nr. (12NC)	929001201002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696541197
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696541203

## Dimensional drawing



Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.5W 830 4P G24q-2	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm

## Photometric data



General uniform lighting - CorePro LED PLC 6.5W 830 4P G24q-2

Light Distribution Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

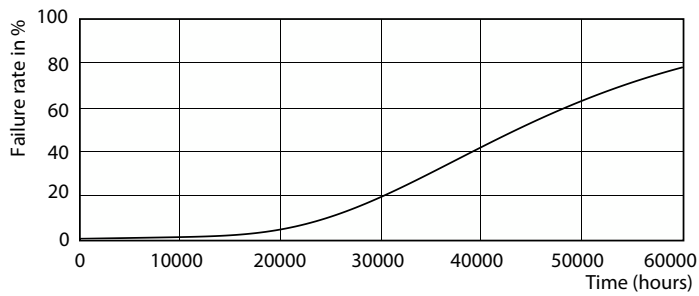
# CorePro LED PLC 4P

## Photometric data

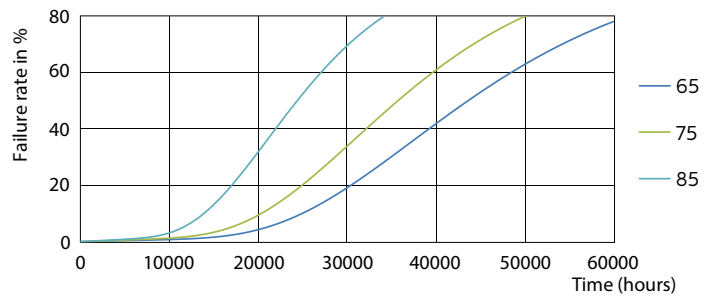


Spectral Power Distribution Colour - CorePro LED PLC 6.5W 830 4P G24q-2

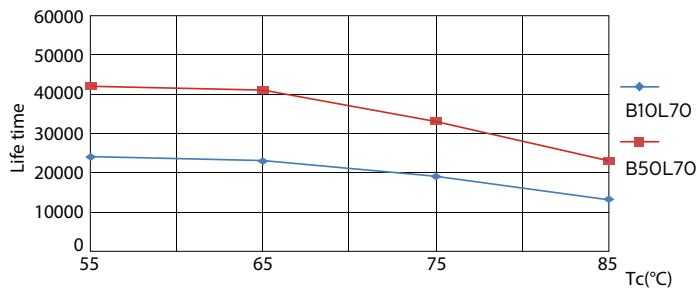
## Lifetime



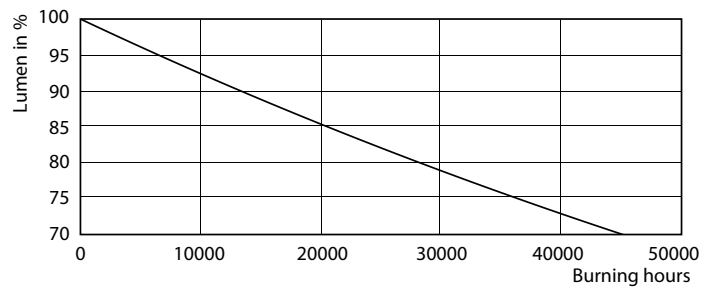
Life Expectancy Diagram - CorePro LED PLC 6.5W 830 4P G24q-2



Life Expectancy Diagram - CorePro LED PLC 6.5W 830 4P G24q-2



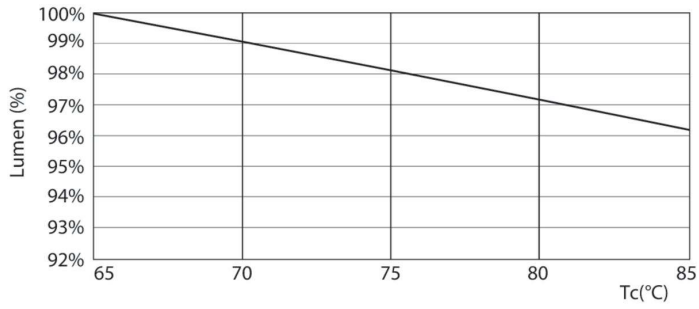
Life Expectancy Diagram - CorePro LED PLC 6.5W 830 4P G24q-2



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

# CorePro LED PLC 4P

## Lifetime



Lumen Maintenance Diagram - CorePro LED PLC 6.5W 830 4P G24q-2

