CorePro LED PLC 4P

CorePro LED PLC 6.5W 840 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.
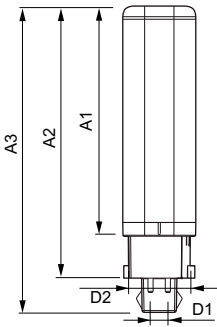
Product data

General Information

Cap-Base	G24Q-2 [G24q-2]
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	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	700 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 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

Input Frequency	30000-80000 Hz
Power Consumption	6.5 W
Lamp Current (Max)	300 mA
Lamp Current (Min)	150 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	20-50 V
LED alternative to fluorescent lamp power	18 W
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.	-

Temperature

Ambient temperature range	-20 ℃ to 35 ℃

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T-Case Maximum (Nom)	66 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

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	403553

Product Data

Order product name	CorePro LED PLC 6.5W 840 4P G24q-2
Full product name	CorePro LED PLC 6.5W 840 4P G24q-2
Full product code	871869654121000
Order code	929001201102
Material Nr. (12NC)	929001201102
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696541210
Numerator – Packs per outer box	10
EAN/UPC – Case	8718696541227

Dimensional drawing

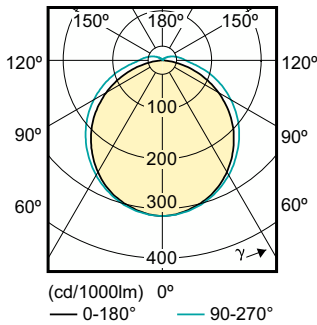| Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.5W 840 4P G24q-2	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm

Photometric data
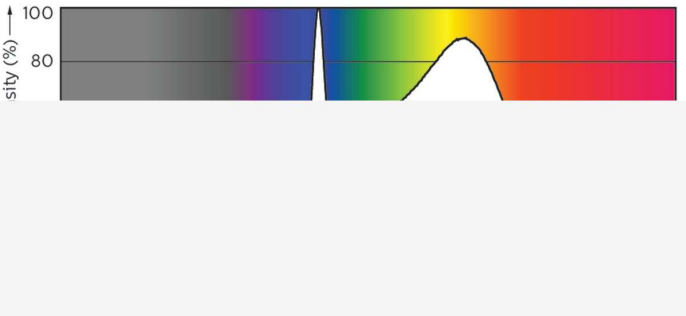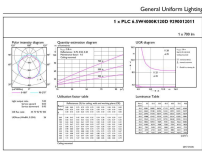
General uniform lighting – CorePro LED PLC 6.5W 840 4P G24q-2

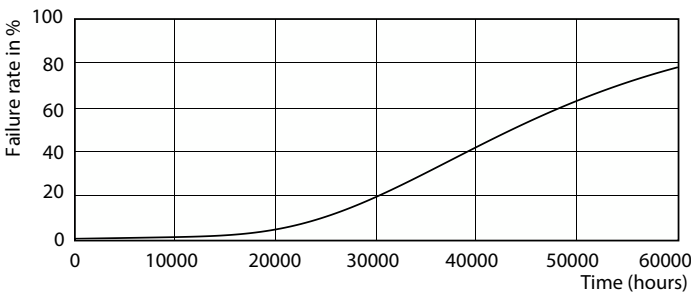**Spectral Power Distribution Colour – CorePro LED PLC 6.5W 840 4P G24q-2**
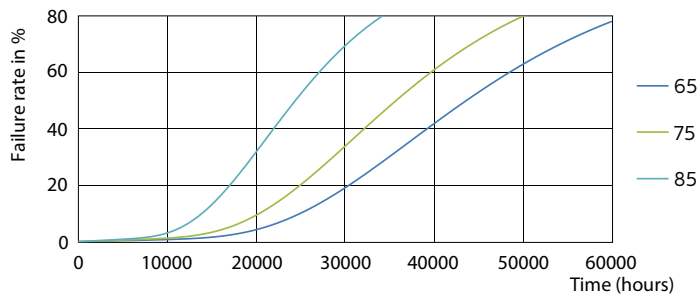
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Photometric data

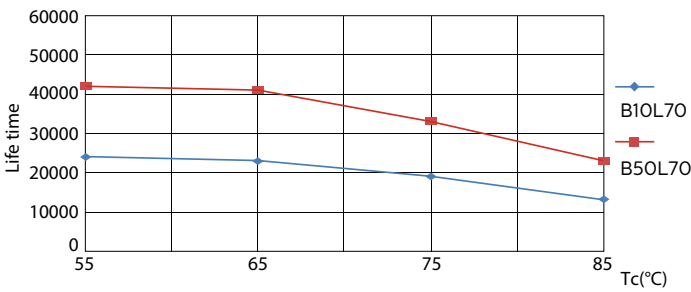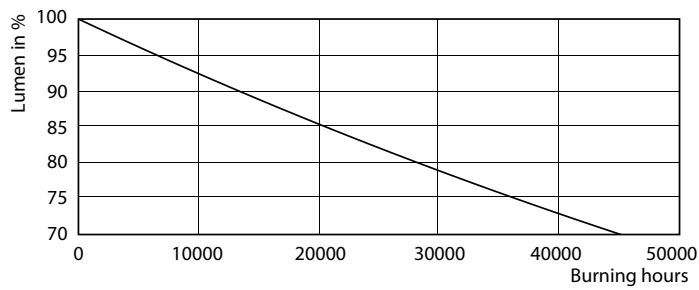**Light Distribution Diagram – CorePro LED PLC 6.5W 840 4P G24q-2**

Lifetime

Life Expectancy Diagram – CorePro LED PLC 6.5W 840 4P G24q-2

Life Expectancy Diagram – CorePro LED PLC 6.5W 840 4P G24q-2
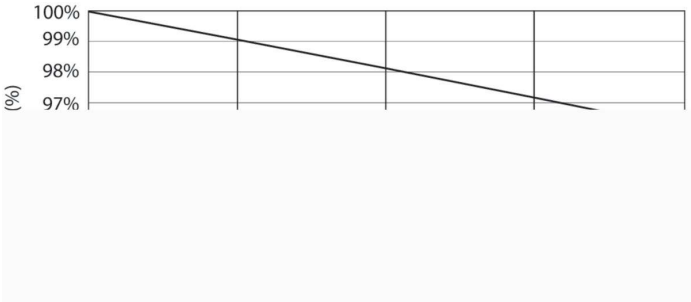
Life Expectancy Diagram – CorePro LED PLC 6.5W 840 4P G24q-2

Lumen Maintenance Diagram – CorePro LED PLC 6.5W 840 4P G24q-2

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Lifetime

Lumen Maintenance Diagram – CorePro LED PLC 6.5W 840 4P G24q-2