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
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	700 lm
Luminous Efficacy (rated) (Nom)	92.31 lm/W
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
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
Inrush current at mains	–
Max. lamp no. on MCB B type 10A – Mains	–
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	–
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	HF

Temperature

Ambient temperature range	–20 °C to 35 °C

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T–Case Maximum (Nom)	66 ℃

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	RoHS compliance
Energy Consumption kWh/1000 h	7 kWh
EPREL Registration Number	403553
CE mark	Yes
EU RoHS compliant	Yes

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
Net Weight (Piece)	0.078 kg
EAN/UPC – Product/Case	8718696541210
Numerator – Packs per outer box	10
EAN/UPC – Case	8718696541227

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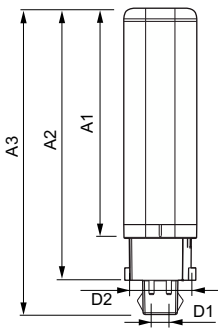
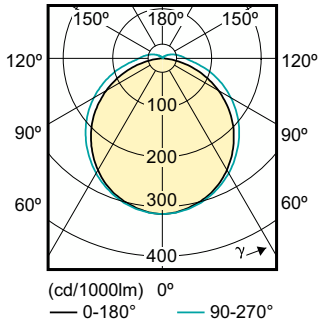| Product	D1	D2	A1	A2	A3
CorePro LED PLC 6.5W 840 4P G24q-2	24.3 mm	28.4 mm	105.8 mm	125 mm	140.6 mm

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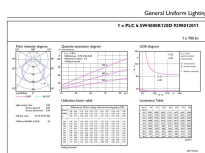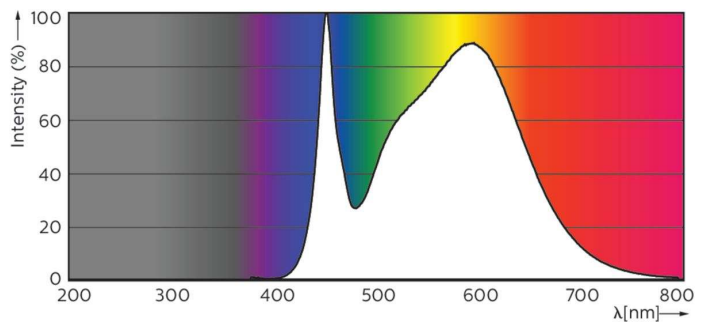
General uniform lighting – CorePro LED PLC 6.5W 840 4P G24q-2

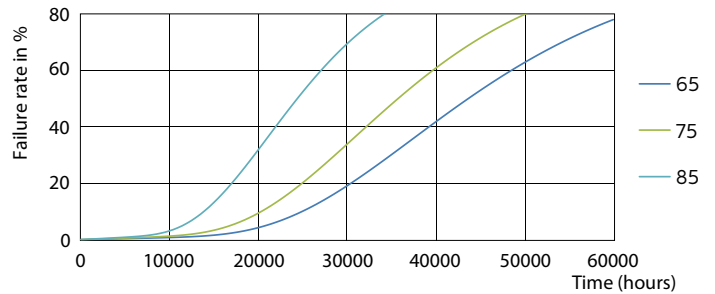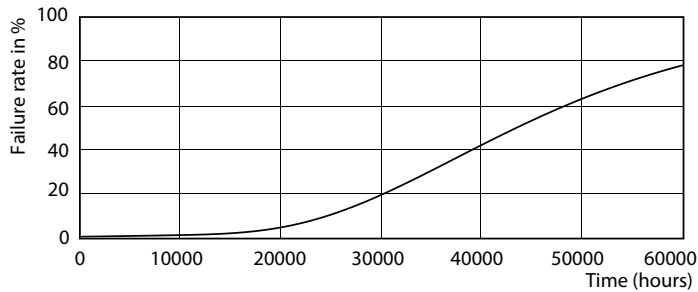Spectral Power Distribution Colour – CorePro LED PLC 6.5W 840 4P G24q-2
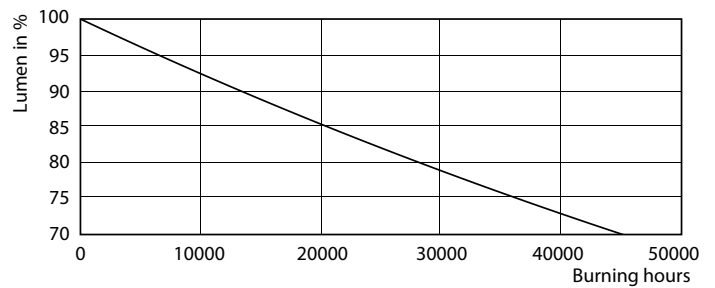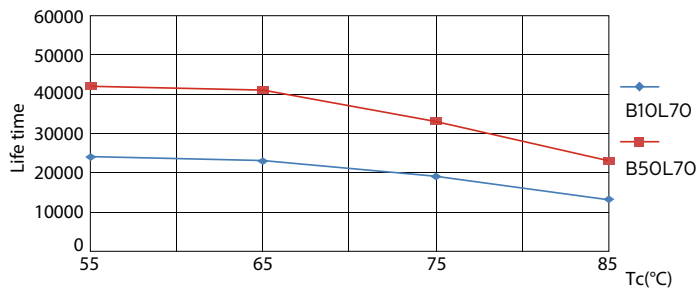
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Photometric data

Lifetime

LEDtube PLC 100mm 7W G24Q-2 830 650lm

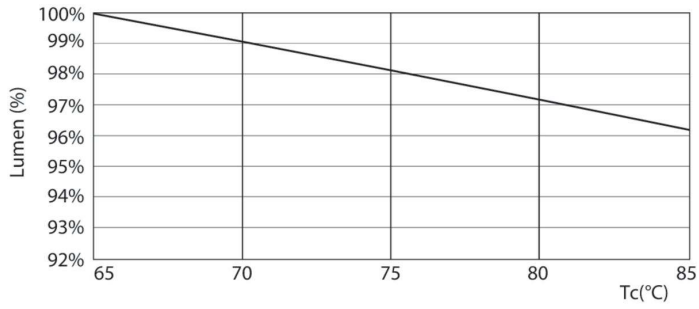LEDtube PLC 100mm 7W G24Q-2 830 650lm

LEDtube PLC 100mm 7W G24Q-2 830 650lm

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

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Lifetime

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2024, August 30 – data subject to change