CorePro LED PLC 4P

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CorePro LED PLC 9W 840 4P G24q-3

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-3
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	1,000 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100.00 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	9 W
Lamp Current (Max)	400 mA
Lamp Current (Min)	250 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	26 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

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Temperature

Ambient temperature range	–20 °C to 35 °C
T–Case Maximum (Nom)	76 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Product Length	200 mm
Bulb Shape	PL–C

Approval and Application

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Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	9 kWh

EPREL Registration Number	403551

Product Data

Order product name	CorePro LED PLC 9W 840 4P G24q–3
Full product name	CorePro LED PLC 9W 840 4P G24q–3
Full product code	871869654117300
Order code	929001200902
Material Nr. (12NC)	929001200902
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696541173
Numerator – Packs per outer box	10
EAN/UPC – Case	8718696541180

Dimensional drawing
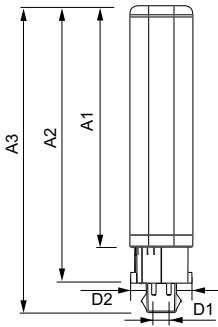
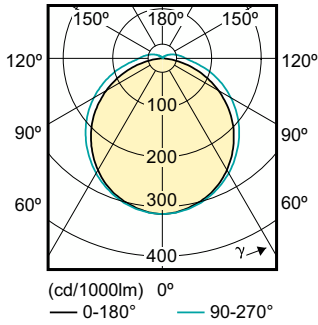| Product	D1	D2	A1	A2	A3
CorePro LED PLC 9W 840 4P G24q–3	24.3 mm	28.4 mm	128.8 mm	148 mm	163.6 mm

Photometric data
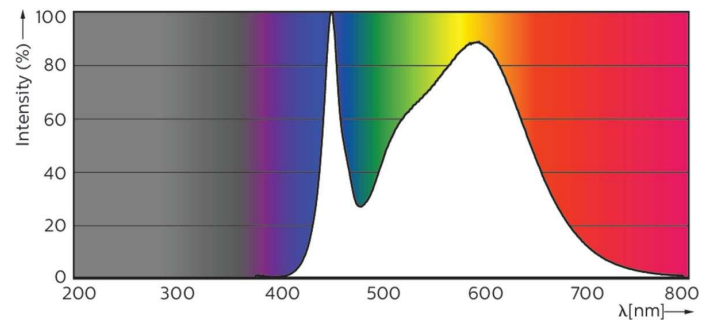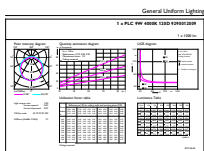
General uniform lighting – CorePro LED PLC 9W 840 4P G24q–3

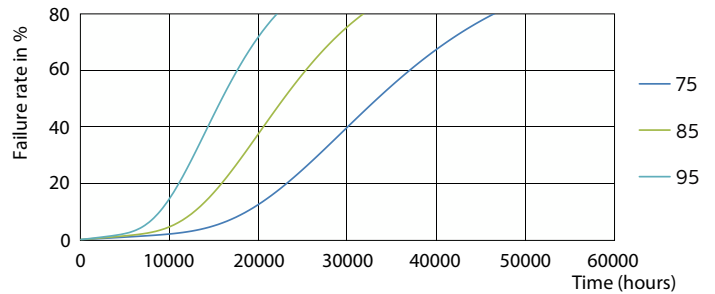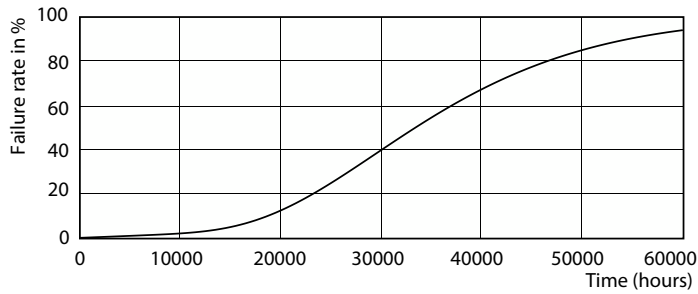Spectral Power Distribution Colour – CorePro LED PLC 9W 840 4P G24q–3
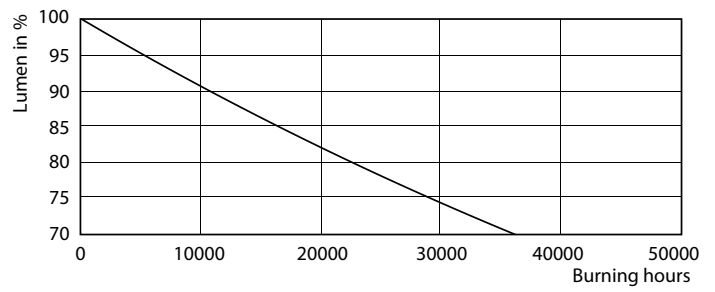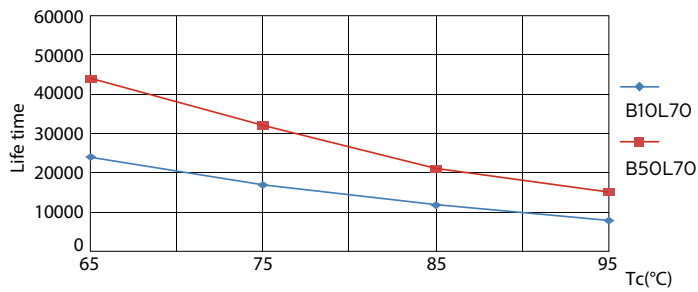
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Photometric data

Light Distribution Diagram – CorePro LED PLC 9W 840 4P G24q-3

Lifetime

Life Expectancy Diagram – CorePro LED PLC 9W 840 4P G24q-3

Life Expectancy Diagram – CorePro LED PLC 9W 840 4P G24q-3

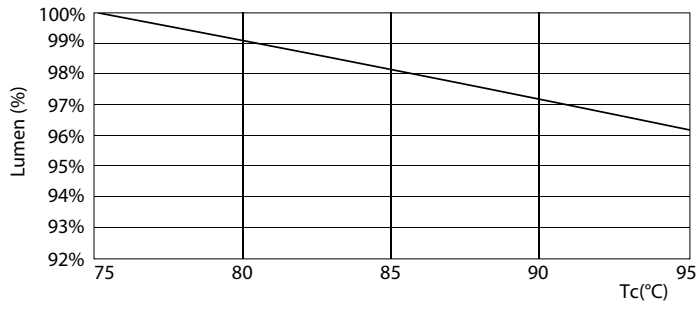**Life Expectancy Diagram – CorePro LED PLC 9W 840 4P G24q-3**

Lumen Maintenance Diagram – CorePro LED PLC 9W 840 4P G24q-3

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Lifetime

Lumen Maintenance Diagram – CorePro LED PLC 9W 840 4P G24q-3

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2024, March 19 – data subject to change