CorePro LED PLC 4P

CorePro LED PLC 9.5W 840 4P G24q-3

LED, PL-C, HF/Mains, G24Q-3 ROT, 9.5 W, 26W PL-C, 4000 K, 1100 lm, CRI 82, 30000 hour(s)

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.
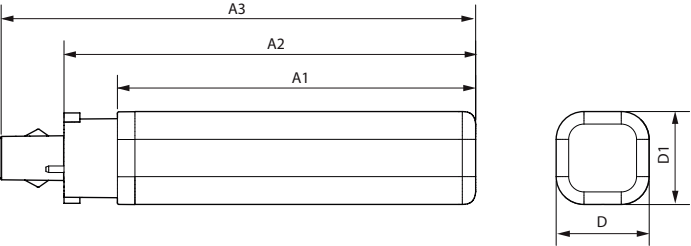
Product data

General Information

Cap-Base	G24q-3 ROT
Nominal lifetime	30,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	1,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	115 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Input Frequency	50 to 60 Hz
Power Consumption	9.5 W
Lamp Current (Nom)	52 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
LED alternative to fluorescent lamp power	26W PL-C
Inrush current at mains	7.5
Max. lamp no. on MCB B type 10A - Mains	160
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	250
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	-

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Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	–
Ballast Compatibility	HF/Mains

Temperature

T–Case Maximum (Nom)	75 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	148 mm
Bulb Shape	PL–C
Net Weight (Piece)	0.108 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	10 kWh
EPREL Registration Number	1945440
CE mark	Yes

EU RoHS compliant	Yes
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	–20 to +45 °C

Application Conditions

can it be used in closed luminaires	Yes

Product Data

Order product name	CorePro LED PLC 9.5W 840 4P G24q-3
Full product name	CorePro LED PLC 9.5W 840 4P G24q-3
Full product code	872016929051800
Order code	929003758102
Material Nr. (12NC)	929003758102
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169290518
Numerator – Packs per outer box	10
EAN/UPC – Case	8720169290525

Dimensional drawing

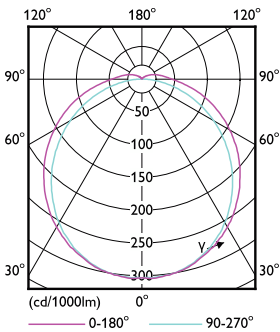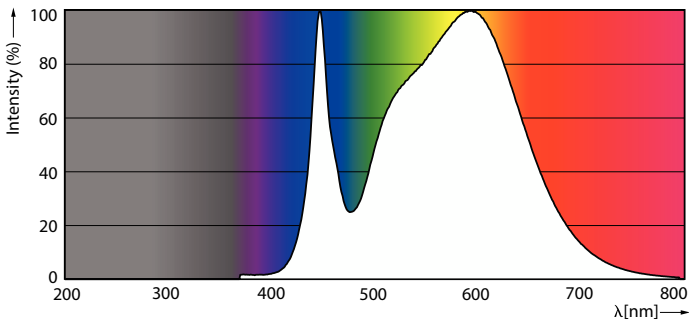| Product	D1	D2	A1	A2	A3
CorePro LED PLC 9.5W 840 4P G24q-3	34 mm	34 mm	129 mm	148 mm	164 mm

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Photometric data

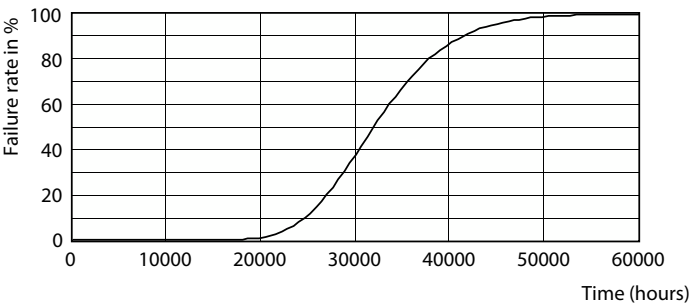**General uniform lighting – CorePro LED PLC 9.5W 840 4P G24q-3**

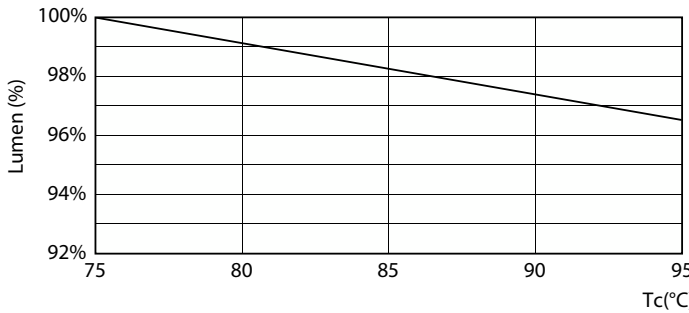**Light Distribution Diagram – CorePro LED PLC 9.5W 840 4P G24q-3**

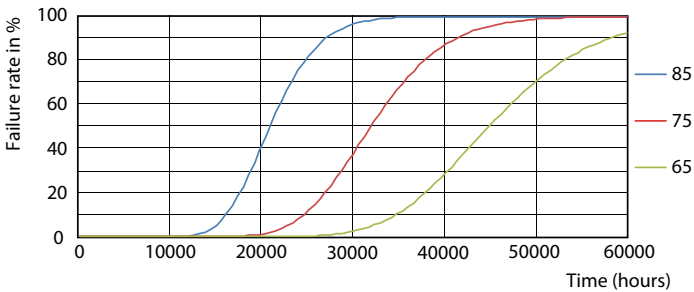**Spectral Power Distribution Colour – CorePro LED PLC 9.5W 840 4P G24q-3**
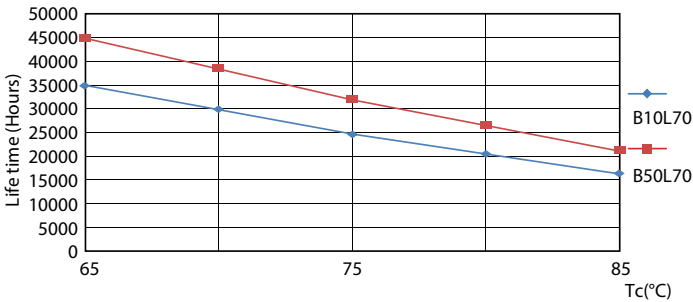
Lifetime

Life Expectancy Diagram

Lumen Maintenance Diagram – CorePro LED PLC 9.5W 840 4P G24q-3

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Lifetime

LifetimeVsTc

FailureRate

Lumen Maintenance Diagram – CorePro LED PLC 9.5W 840 4P G24q-3