CorePro LED PLC 4P

F | A↑G

CorePro LED PLC 4.5W 840 4P G24q-1

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-1
Nominal lifetime	30,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical

Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	500 lm
Luminous efficacy (rated) (nom.)	111.11 lm/W
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Colour consistency	<6
Colour 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	4.5 W

(right column)

Lamp current (max.)	260 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	13 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℃ to 35℃

CorePro LED PLC 4P

T–Case maximum (nom.)	60 °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	RoHS compliance
Energy consumption kWh/1,000 hours	5 kWh
EPREL registration number	403563
CE mark	Yes
EU RoHS compliant	Yes

Product Data

Order product name	CorePro LED PLC 4.5W 840 4P G24q-1
Full product name	CorePro LED PLC 4.5W 840 4P G24q-1
Full EOC	871869670665700
Order code	70665700
Material no. (12 NC)	929001351102
Numerator – quantity per pack	1
Net Weight (Piece)	0.075 kg
EAN/UPC — Product/Case	8718696706657
Numerator – packs per outer box	10
EAN/UPC – Case	8718696706664

Dimensional drawing
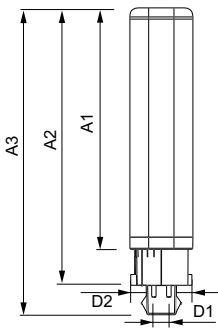
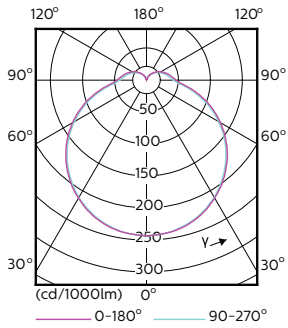| Product	D1	D2	A1	A2	A3
CorePro LED PLC 4.5W 840 4P G24q-1	24.3 mm	28.4 mm	95.8 mm	115 mm	130.6 mm

Photometric data
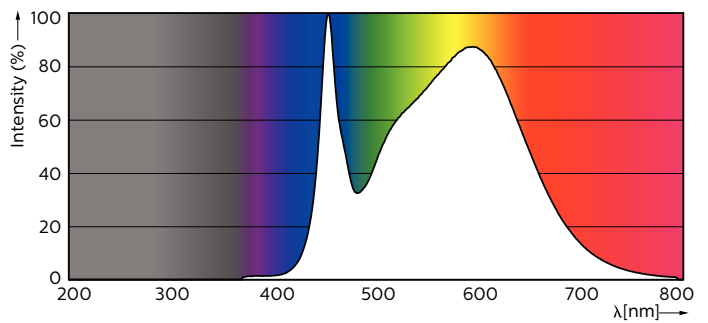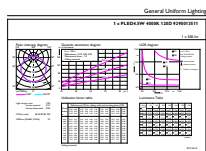
General uniform lighting – CorePro LED PLC 4.5W 840 4P G24q-1

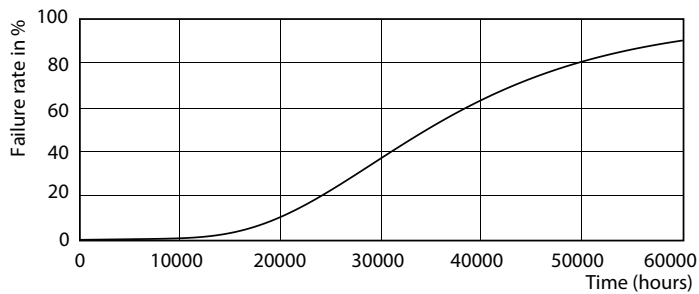Spectral Power Distribution Colour – CorePro LED PLC 4.5W 840 4P G24q-1

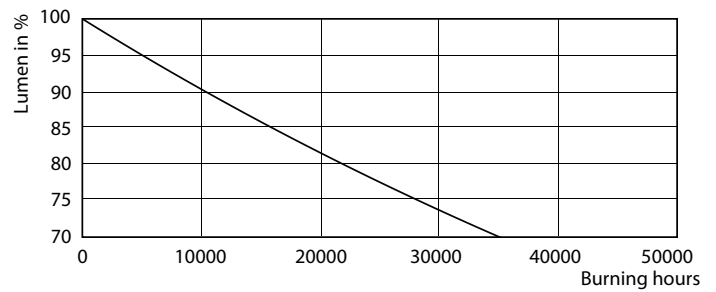# CorePro LED PLC 4P

Photometric data

Lifetime