CorePro LED PLC 4P

CorePro LED PLC 4.5W 830 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.
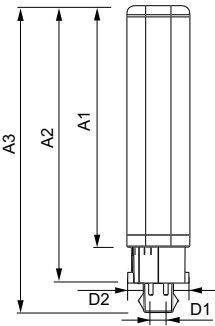
Product data

General Information

Cap-Base	G24Q-1 [G24q-1]
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	830 [CCT of 3000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	475 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	105.56 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	4.5 W
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
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	–4 °F to 95 °F

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T–Case Maximum (Nom)	140 °F

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Material	Plastic
Product Length	3–15/16 inch
Bulb Shape	PL–C

Approval and Application

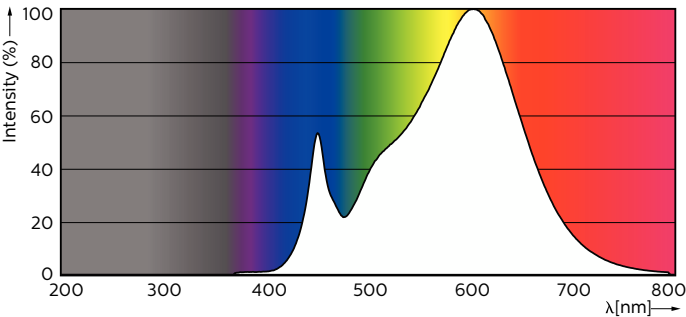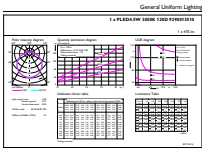|	
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	5 kWh

EPREL Registration Number	403562

Product Data

Order product name	CorePro LED PLC 4.5W 830 4P G24q-1
Full product name	CorePro LED PLC 4.5W 830 4P G24q-1
Full product code	871869670663300
Order code	345678
Material Nr. (12NC)	929001351002
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718696706633
Numerator – Packs per outer box	10
EAN/UPC – Case	8718696706640

Dimensional drawing

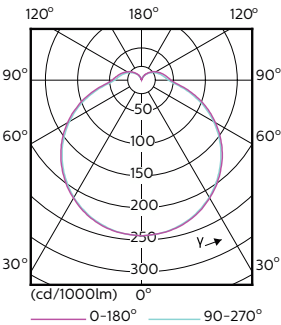| Product	D1	D2	A1	A2	A3
CorePro LED PLC 4.5W 830 4P G24q-1	1 inch	1–1/8 inch	3–13/16 inch	4–9/16 inch	5–3/16 inch

Photometric data

General uniform lighting – CorePro LED PLC 4.5W 830 4P G24q-1

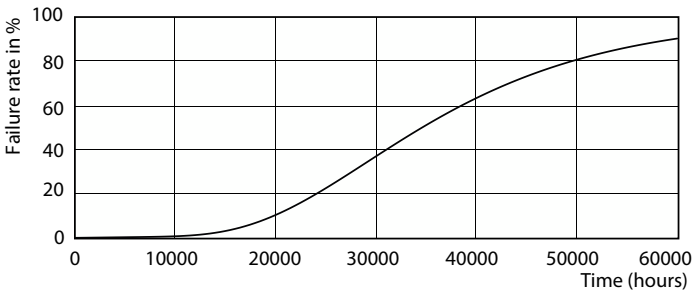Spectral Power Distribution Colour – CorePro LED PLC 4.5W 830 4P G24q-1

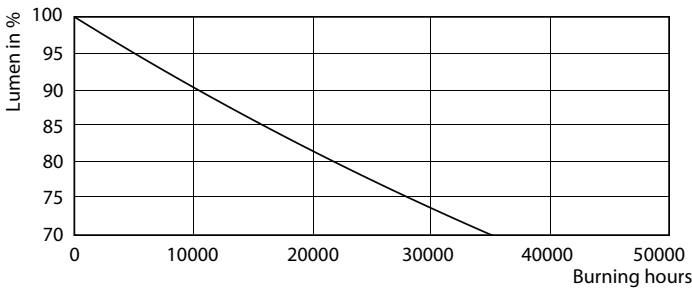# CorePro LED PLC 4P

Photometric data

120° 180° 120°
90° 90°
50
60° 60°
100
150
200
250
γ→
30° 300 30°
(cd/1000lm) 0°
——— 0-180° ——— 90-270°

Lifetime