

CorePro LED PLT 4P

CorePro LED PLT HF 18.5W 840 4P GX24q-4

The CorePro LED PLT 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	GX24q-4
Nominal lifetime	30,000 h
Switching Cycle	200,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	2,250 lm
Colour designation	Cool White (CW)
Luminous efficacy (rated) (nom.)	121 lm/W
Correlated Colour Temperature	4000 K
Colour consistency	<6
Colour rendering index (CRI)	82
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	20K-80K Hz
Input frequency	20 K–80 K Hz
Power Consumption	18.5 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.)	20-60 V
LED alternative to fluorescent lamp power	42 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.)	75 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Plastic
Product length	200 mm
Bulb shape	PL-T

Approval and Application

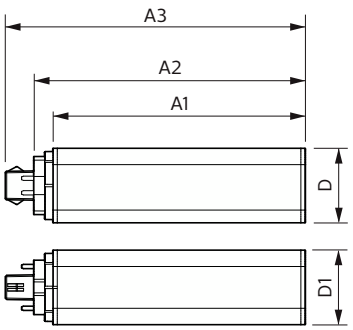
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	19 kWh
EPREL registration number	1361427

CE mark	Yes
EU RoHS compliant	Yes

Product Data

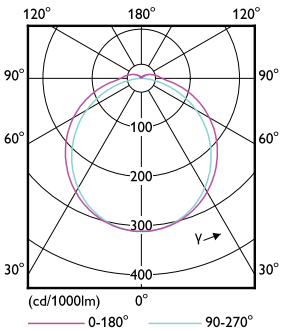
Order product name	CorePro LED PLT HF 18.5W 840 4P GX24q-4
Full product name	CorePro LED PLT HF 18.5W 840 4P GX24q-4
Full EOC	871951448790100
Order code	929003577002
Material no. (12 NC)	929003577002
Numerator – quantity per pack	1
Net Weight (Piece)	0.135 kg
EAN/UPC — Product/Case	8719514487901
Numerator – packs per outer box	20
EAN/UPC - Case	8719514487918

Dimensional drawing

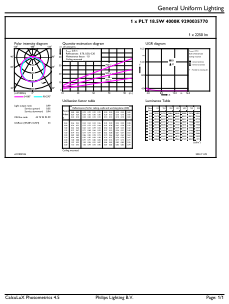


Product	D1	D	A1	A2	A3
CorePro LED PLT HF 18.5W 840 4P GX24q-4	42 mm	42 mm	139 mm	151 mm	166 mm

Photometric data



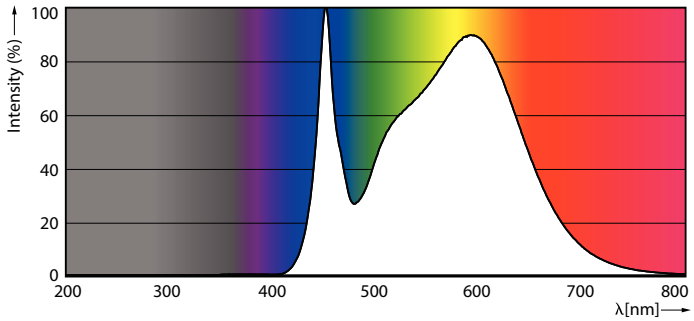
Light Distribution Diagram - CorePro LED PLT HF 18.5W 840 4P GX24q-4



General uniform lighting - CorePro LED PLT HF 18.5W 840 4P GX24q-4

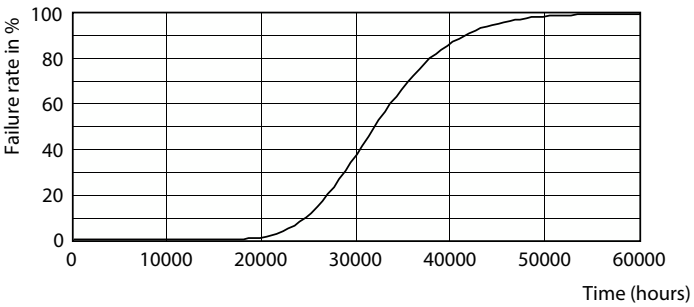
CorePro LED PLT 4P

Photometric data

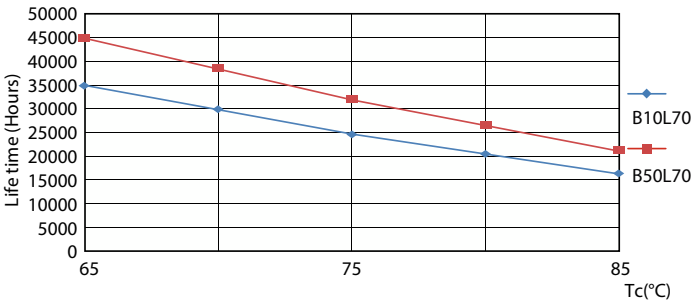


Spectral Power Distribution Colour - CorePro LED PLT HF 18.5W 840 4P GX24q-4

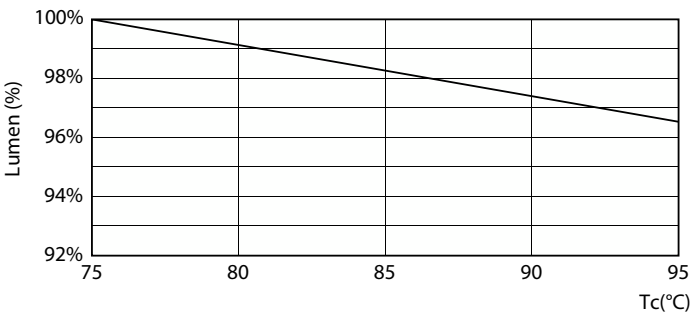
Lifetime



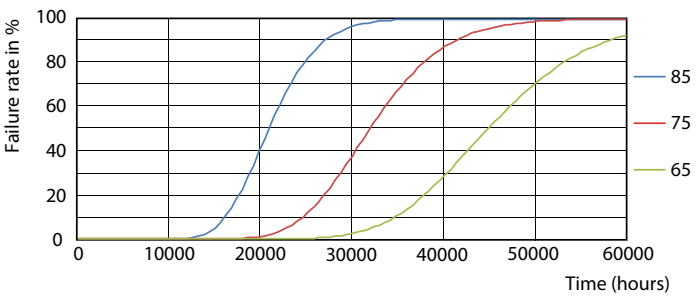
Life Expectancy Diagram



LifetimeVsTc



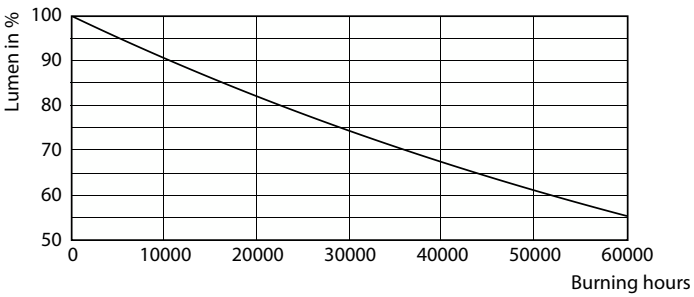
Lumen Maintenance Diagram - CorePro LED PLT HF 18.5W 840 4P GX24q-4



FailureRate

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Lifetime



Lumen Maintenance Diagram - CorePro LED PLT HF 18.5W 840 4P GX24q-4

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