PHILIPS Lighting



CorePro LED PLT 4P



CorePro LED PLT HF 6.5W 840 4P GX24q-2

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-2				
Nominal lifetime	30,000 hour(s)				
Switching Cycle	200,000				
Lighting Technology	LED				
Flux measurement reference	Sphere				
Light Technical					
Color Code	840 [CCT of 4000K]				
Beam Angle (Nom)	120 degree(s)				
Luminous Flux	800 lm				
Color Designation	Cool White (CW)				
Correlated Color Temperature (Nom)	4000 K				
Luminous Efficacy (rated) (Nom)	123 lm/W				
Color Consistency	<6				
Color 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	20K-80K Hz				

6.5 W

Lamp Current (Max)	300 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)	20-60 V
Ballast Compatibility	HF
LED alternative to fluorescent lamp power	18 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.	
Temperature	
T-Case Maximum (Nom)	65 °C

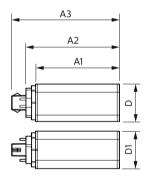
Power Consumption

CorePro LED PLT 4P

Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	103 mm
Bulb Shape	PL-T
Net Weight (Piece)	0.115 kg
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur
	certificate
Energy Consumption kWh/1000 h	7 kWh
EPREL Registration Number	1361421
CE mark	Yes

EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 35 °C
Product Data	
Order product name	CorePro LED PLT HF 6.5W 840 4P
	GX24q-2
Full product name	CorePro LED PLT HF 6.5W 840 4P
	GX24q-2
Full product code	871951448778900
Order code	929003576402
Material Nr. (12NC)	929003576402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514487789
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514487796

Dimensional drawing



CorePro LED PLT HF 6.5W 840 4P GX24q-2	42 mm	42 mm	93 mm	103 mm	119 mm

D1

D2

A1

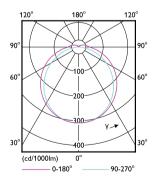
A2

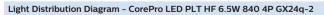
A3

100 t Intensity (%) 80 60 40 20 0 **2**00 300 400 500 600 700 λ[nm]

Spectral Power Distribution Colour - CorePro LED PLT HF 6.5W 840 4P GX24q-2

Photometric data



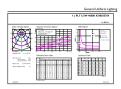


Product

800

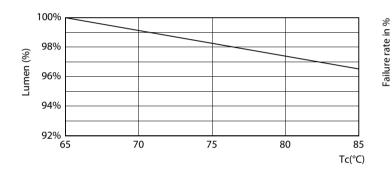
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Photometric data

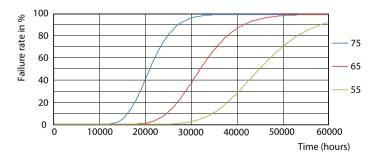


General uniform lighting - CorePro LED PLT HF 6.5W 840 4P GX24q-2

Lifetime





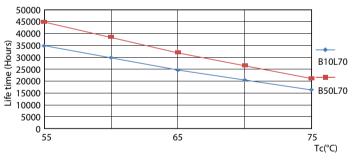


FailureRate



20000

10000



30000

40000

50000

60000

Time (hours)



100

80

60

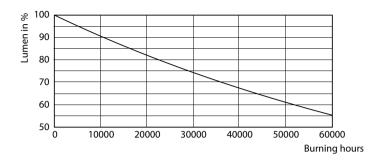
40

20

0 L 0

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Lifetime



Lumen Maintenance Diagram - CorePro LED PLT HF 6.5W 840 4P GX24q-2



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