



CorePro LED PLS



CorePro LED PLS 3.5W 840 2P G23

The Philips CorePro LED PLS integrates a LED light source into a traditional fluorescent form factor. This product is the ideal solution for uplampping in general lighting applications: it meets basic lighting requirements, offers significant energy savings, and is environment-friendly.

Product data

General Information	
Cap-Base	G23
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	390 lm
Luminous Efficacy (rated) (Nom)	111 lm/W
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Photobiological safety according to EN 62471	RG0

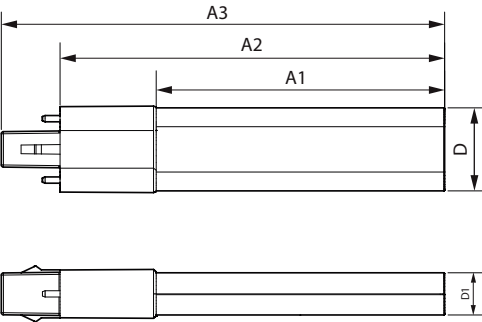
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	3.5 W
Lamp Current (Nom)	22 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	7 W
Inrush current at mains	6.6
Max. lamp no. on MCB B type 10A - Mains	116
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	500
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	-
Max. lamp no. on MCB B type 16A - Mains	186
Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	801
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	EM/Mains

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Temperature	
Ambient temperature range	-20 to +45 °C
T-Case Maximum (Nom)	45 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	0 mm
Bulb Shape	PL-S
Approval and Application	
Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate

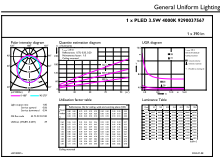
Energy Consumption kWh/1000 h	4 kWh
EPREL Registration Number	1820626
CE mark	Yes
EU RoHS compliant	Yes
Product Data	
Order product name	CorePro LED PLS 3.5W 840 2P G23
Full product name	CorePro LED PLS 3.5W 840 2P G23
Full product code	872016928656600
Order code	929003756702
Material Nr. (12NC)	929003756702
Numerator - Quantity Per Pack	1
Net Weight (Piece)	0.038 kg
EAN/UPC - Product/Case	8720169286566
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169286573

Dimensional drawing



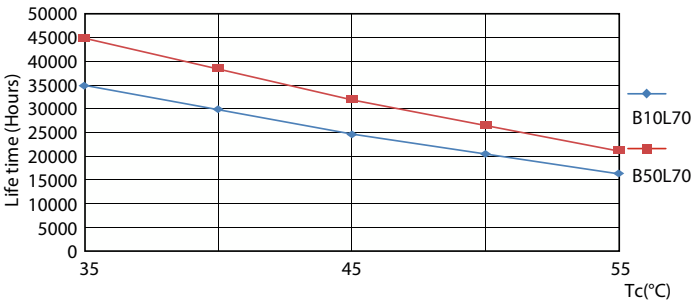
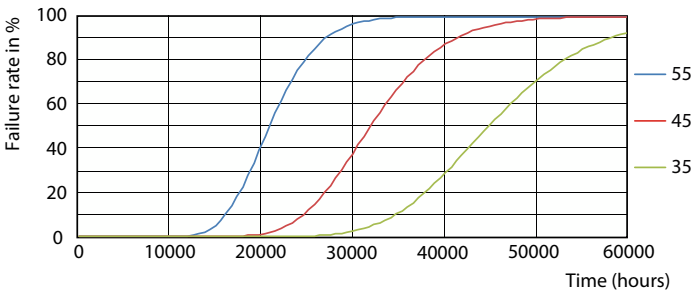
Product	D1	D2	A1	A2	A3
CorePro LED PLS 3.5W 840 2P G23	34 mm		79 mm	115 mm	137 mm

Photometric data

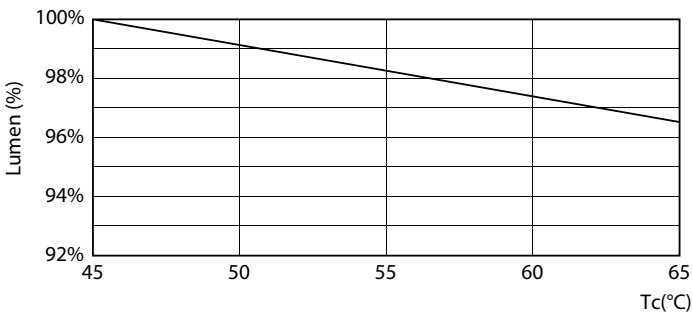


General uniform lighting - CorePro LED PLS 3.5W 840 2P G23

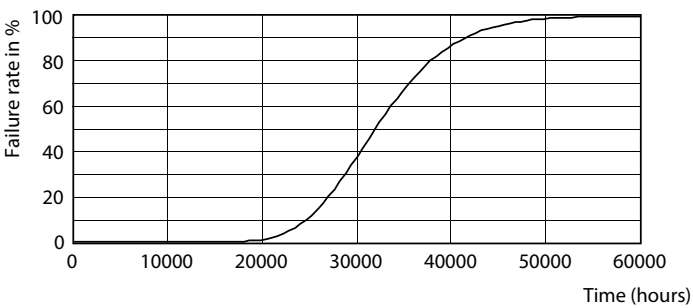
Lifetime



FailureRate

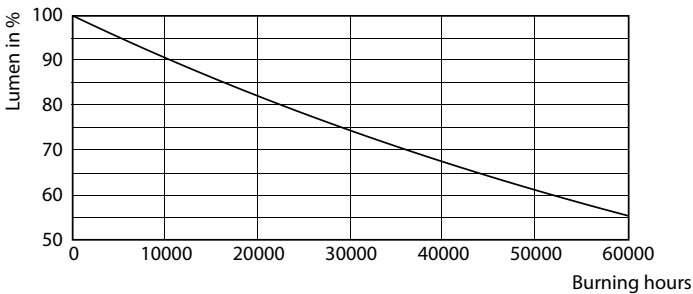


LifetimeVsTc



Lumen Maintenance Diagram - CorePro LED PLS 3.5W 840 2P G23

Life Expectancy Diagram



Lumen Maintenance Diagram - CorePro LED PLS 3.5W 840 2P G23

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