

CorePro LED PLS

CorePro LED PLS 3.5W 840 2P G23

CorePro, LED, PL-S, EM/Mains, 115 mm, 3.5 W, 7W PL-S, 4000 K, 390 lm, CRI 82, 30000 hour(s)

CorePro, LED, PL-S, EM/Mains, 115 mm, 3.5 W, LED alternative to 7W PL-S, 4000 K, 390 lm, CRI 82, 30000 hour(s), 111 lm/W, EEL E, G23, Beam angle 120 degree(s), Plastic, RG0, SDCM 6, PF 0.9, IP20, SVM 0.4, PstLM 1

Product data

General Information	
Cap-Base	G23
Nominal lifetime	30,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Warranty period	3 years

Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	390 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	111 lm/W
Color Consistency	<6
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %
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	7W PL-S
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.	-

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Ballast Compatibility	EM/Mains

Temperature

T-Case Maximum (Nom)	45 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	115 mm
Bulb Shape	PL-S
Net Weight (Piece)	0.038 kg

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
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

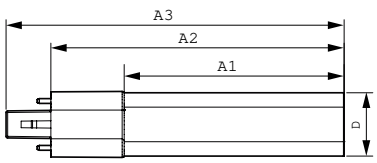
Application Conditions

Wireless Technology	Not applicable

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	28656600
Material Nr. (12NC)	929003756702
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169286566
Numerator - Packs per outer box	20
EAN/UPC - Case	8720169286573

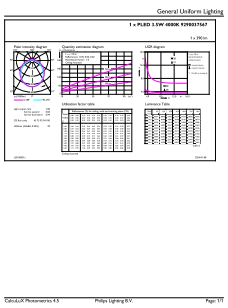
Dimensional drawing



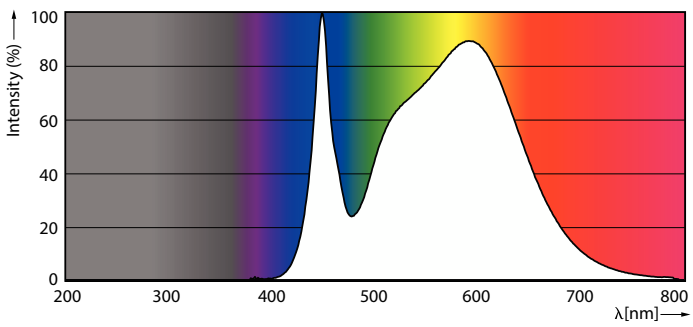
D	D1	A1	A2	A3
31mm	16mm	79mm	115mm	137mm

Product	D1	D	A1	A2	A3
CorePro LED PLS 3.5W 840 2P G23	16 mm	31 mm	79 mm	115 mm	137 mm

Photometric data

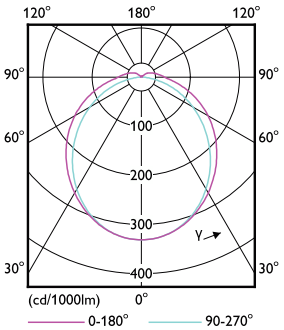


General uniform lighting - CorePro LED PLS 3.5W 840 2P G23



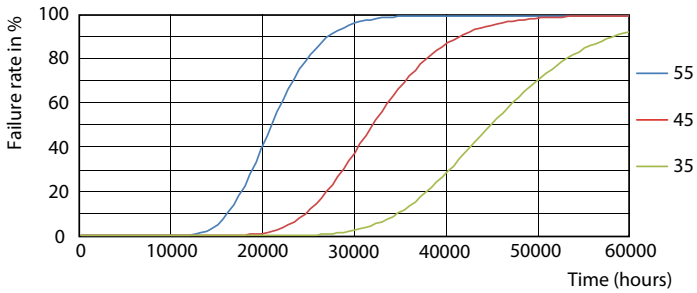
Spectral Power Distribution Colour - CorePro LED PLS 3.5W 840 2P G23

Photometric data

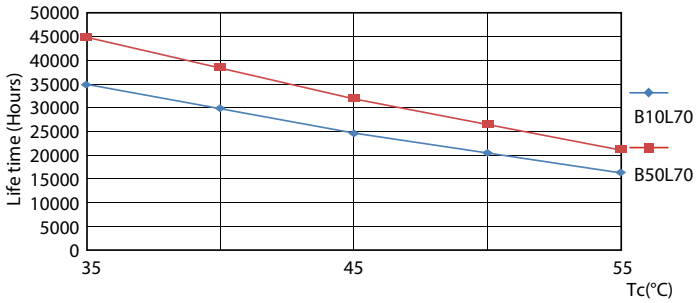


Light Distribution Diagram - CorePro LED PLS 3.5W 840 2P G23

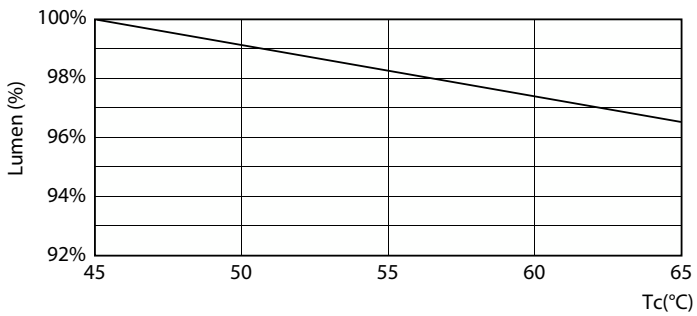
Lifetime



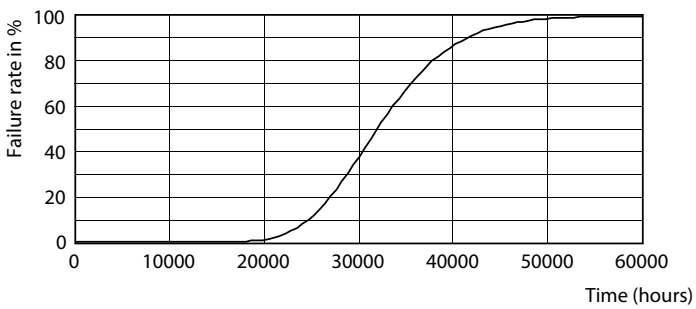
FailureRate



LifetimeVsTc



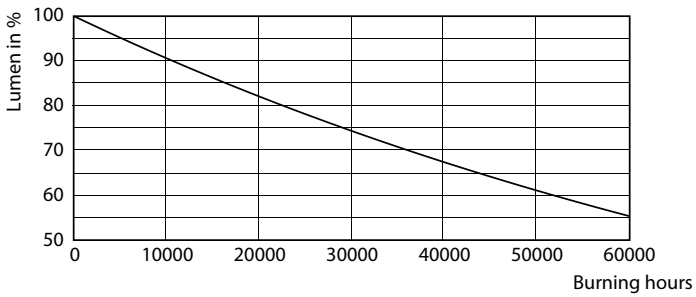
Lumen Maintenance Diagram - CorePro LED PLS 3.5W 840 2P G23



Life Expectancy Diagram

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Lifetime



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

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