CorePro LED PLS

CorePro LED PLS 5W 840 2P G23

CorePro, LED, PL–S, EM/Mains, G23, 5 W, 9/11W PL–S, 4000 K, 550 lm, CRI 82, 30000 hour(s)

The Philips CorePro LED PLS 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 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
Warranty period	3 years

Light Technical

Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	550 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	110 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

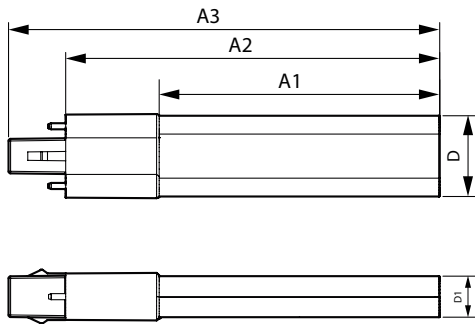|	
Input Frequency	50 to 60 Hz
Power Consumption	5 W
Lamp Current (Nom)	31 mA
Starting Time (Nom)	0.5 s
Warm–up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220–240 V
LED alternative to fluorescent lamp power	9/11W PL–S
Inrush current at mains	6.6
Max. lamp no. on MCB B type 10A – Mains	116
Max. lamp no. on MCB B type 10A – EM ballast without Compensation Capacitor.	355
Max. lamp no. on MCB B type 10A – EM ballast with Compensation Capacitor.	–
Max. lamp no. on MCB B type 16A – Mains	186

CorePro LED PLS

Max. lamp no. on MCB B type 16A – EM ballast without Compensation Capacitor.	569		**Energy Consumption kWh/1000 h**	5 kWh
			EPREL Registration Number	1820623
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	–		**CE mark**	Yes
			EU RoHS compliant	Yes
Ballast Compatibility	EM/Mains		**Flickering value (PstLM) – Flickering value as per EN 61000-3-3**	1

Temperature

T–Case Maximum (Nom)	50 ℃

Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	–20 to +45 ℃

Controls and Dimming

Dimmable	No

Product Data

Order product name	CorePro LED PLS 5W 840 2P G23
Full product name	CorePro LED PLS 5W 840 2P G23
Full product code	872016928660300
Order code	929003756902
Material Nr. (12NC)	929003756902
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8720169286603
Numerator – Packs per outer box	20
EAN/UPC – Case	8720169286610

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	144 mm
Bulb Shape	PL–S
Net Weight (Piece)	0.043 kg

Approval and Application

Energy Efficiency Class	E
Energy Saving Product	Yes
Approval Marks	RoHS compliance CE marking KEMA Keur certificate

Dimensional drawing

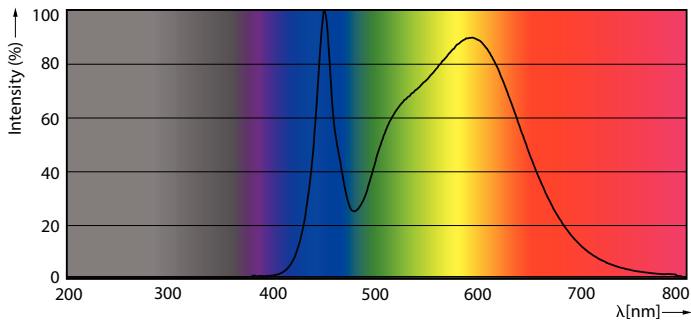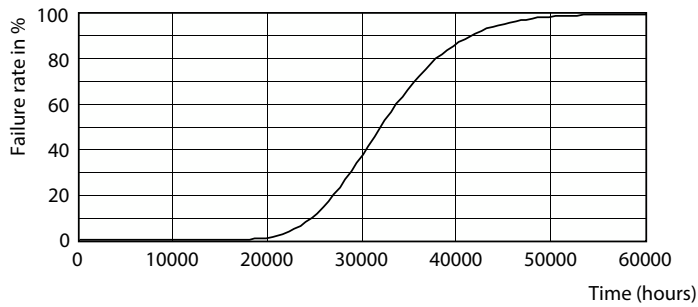| Product	D1	D	A1	A2	A3
CorePro LED PLS 5W 840 2P G23	16 mm	31 mm	108 mm	144 mm	166 mm

CorePro LED PLS

Photometric data
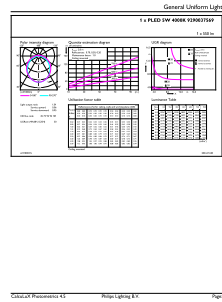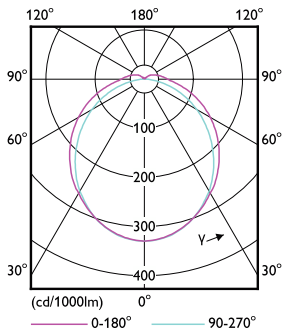
Light Distribution Diagram – CorePro LED PLS 5W 840 2P G23

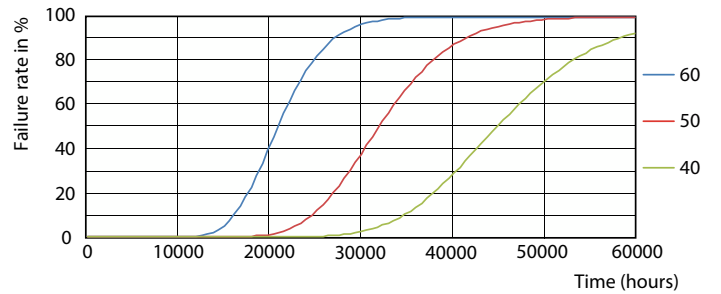**General uniform lighting – CorePro LED PLS 5W 840 2P G23**

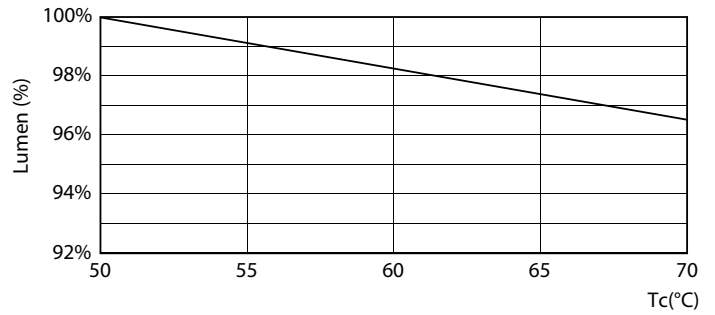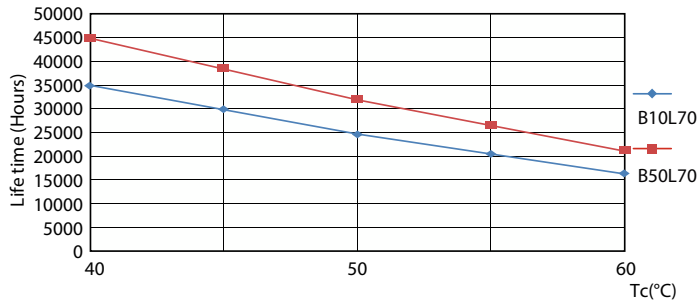**Spectral Power Distribution Colour – CorePro LED PLS 5W 840 2P G23**

Lifetime

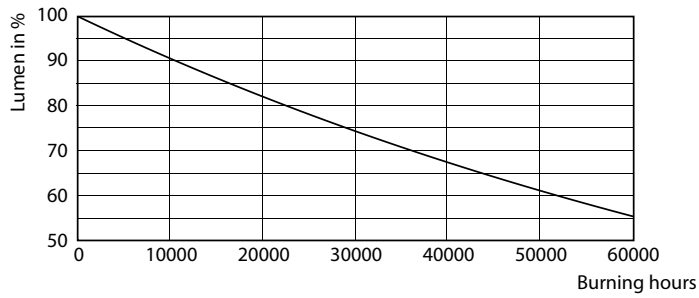**Life Expectancy Diagram**

FailureRate

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Lifetime

LifetimeVsTc

Lumen Maintenance Diagram – CorePro LED PLS 5W 840 2P G23

Lumen Maintenance Diagram – CorePro LED PLS 5W 840 2P G23

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2025, September 27 – data subject to change