CorePro LED PLS

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CorePro LED PLS 5W 830 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 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
CE mark	Yes
EU RoHS compliant	Yes

Light Technical

Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	520 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	104.00 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

Line Frequency	50 to 60 Hz

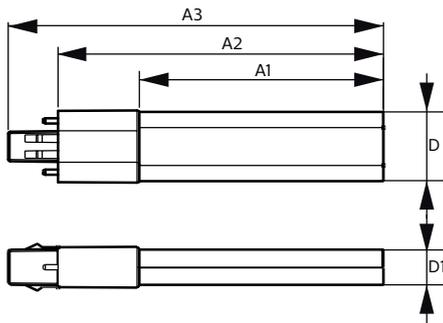|	
Input Frequency	50 to 60 Hz
Power Consumption	5 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
LED alternative to fluorescent lamp power	11 W
Inrush current at mains	3
Max. lamp no. on MCB B type 10A – Mains	159
Max. lamp no. on MCB B type 10A – EM ballast without Comp. Cap.	220
Max. lamp no. on MCB B type 10A – EM ballast with Comp. Cap.	30
Max. lamp no. on MCB B type 16A – Mains	306
Max. lamp no. on MCB B type 16A – EM ballast without Comp. Cap.	330
Max. lamp no. on MCB B type 16A – EM ballast with Comp. Cap.	49
Ballast Compatibility	EM

Temperature

Ambient temperature range	–20 °C to 45 °C

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T–Case Maximum (Nom)	83 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Material	Plastic
Product Length	170 mm
Bulb Shape	PL–S

Approval and Application

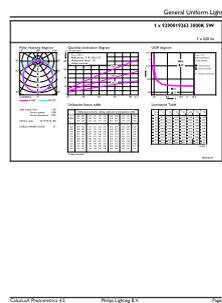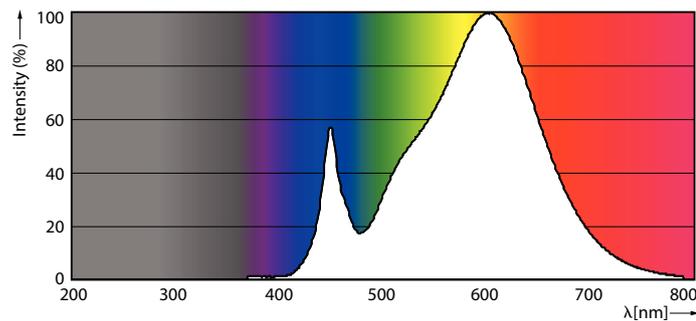|	
Energy Efficiency Class	F
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	5 kWh
EPREL Registration Number	403566

Product Data

Order product name	CorePro LED PLS 5W 830 2P G23
Full product name	CorePro LED PLS 5W 830 2P G23
Full product code	871869959666800
Order code	929001926302
Material Nr. (12NC)	929001926302
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	8718699596668
Numerator – Packs per outer box	20
EAN/UPC – Case	8718699596675

Dimensional drawing

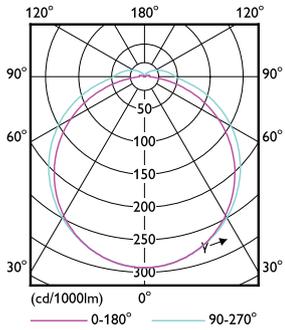| Product	D	D1	A1	A2	A3
CorePro LED PLS 5W 830 2P G23	31.1 mm	15.8 mm	108 mm	144 mm	166 mm

Photometric data

Spectral Power Distribution Colour – CorePro LED PLS 5W 830 2P G23

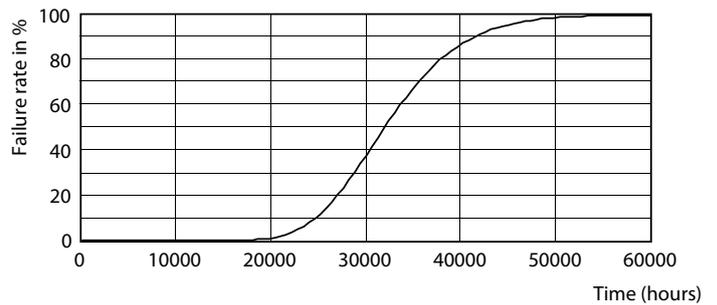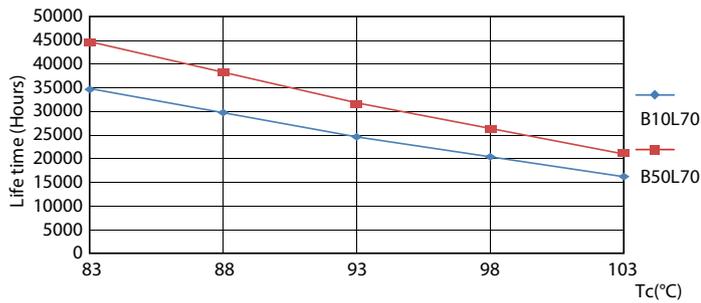General uniform lighting – CorePro LED PLS 5W 830 2P G23

CorePro LED PLS
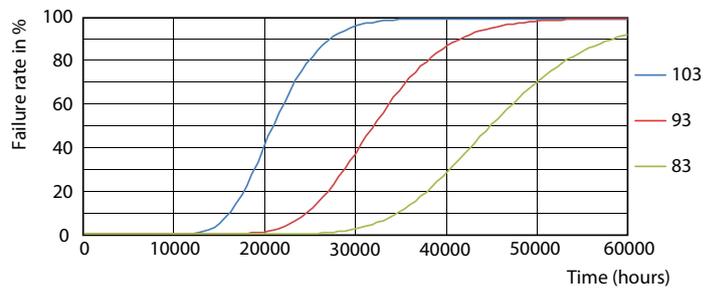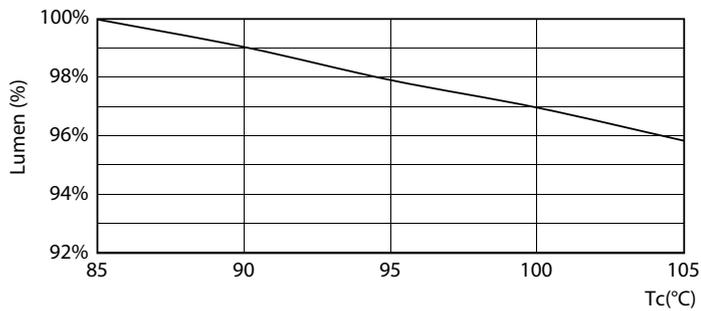
Photometric data

Light Distribution Diagram – CorePro LED PLS 5W 830 2P G23

Lifetime

Life Expectancy Diagram – CorePro LED PLS 5W 830 2P G23

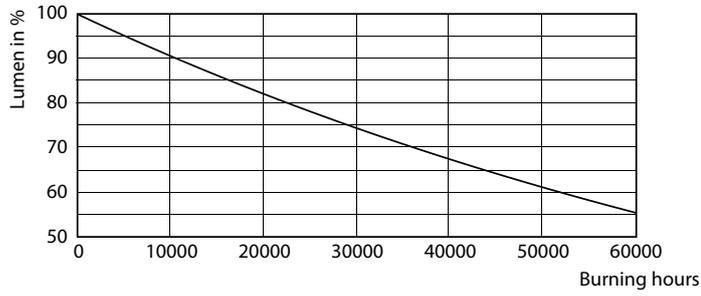Life Expectancy Diagram – CorePro LED PLS 5W 830 2P G23

Lumen Maintenance Diagram – CorePro LED PLS 5W 830 2P G23

Life Expectancy Diagram – CorePro LED PLS 5W 830 2P G23

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Lifetime

Lumen in % vs Burning hours

Lumen Maintenance Diagram – CorePro LED PLS 5W 830 2P G23