

CorePro LED PLS

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 environmentally friendly.

Product data

General Information	
Cap base	G23
Nominal lifetime	30,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	120 degree(s)
Luminous Flux	520 lm
Luminous efficacy (rated) (nom.)	104 lm/W
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Colour consistency	<6
Colour rendering index (CRI)	82
LLMF at end of nominal lifetime (nom.)	70 %
Flickering value (PstLM)	1
Stroboscopic effect	0.4
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	9/11 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.	355
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.	569
Max. lamp no. on MCB B type 16A – EM ballast with Compensation Capacitor.	-
Ballast Compatibility	EM/Mains

Temperature	
Ambient temperature range	-20 to +45 °C

CorePro LED PLS

T-Case maximum (nom.)	50 °C

Controls and Dimming

Dimmable	No

Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Plastic
Product length	0 mm
Bulb shape	PL-S

Approval and Application

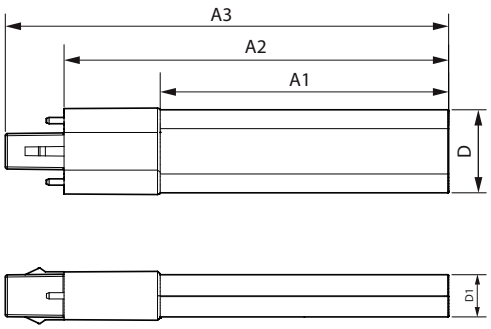
Energy Efficiency Class	F
Energy-saving product	Yes
Approval marks	RoHS compliance CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	5 kWh

EPREL registration number	1820625
CE mark	Yes
EU RoHS compliant	Yes

Product Data

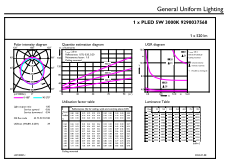
Order product name	CorePro LED PLS 5W 830 2P G23
Full product name	CorePro LED PLS 5W 830 2P G23
Full EOC	872016928658000
Order code	28658000
Material no. (12 NC)	929003756802
Numerator – quantity per pack	1
Net Weight (Piece)	0.043 kg
EAN/UPC — Product/Case	8720169286580
Numerator – packs per outer box	20
EAN/UPC - Case	8720169286597

Dimensional drawing



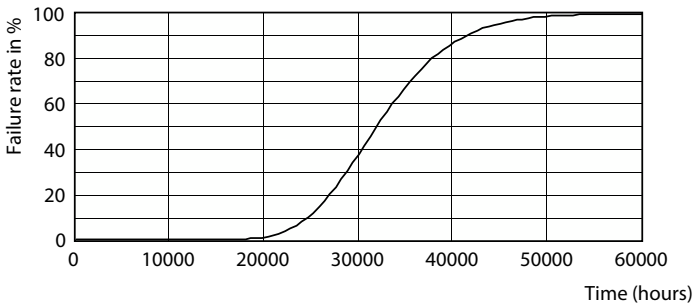
Product	D1	D2	A1	A2	A3
CorePro LED PLS 5W 830 2P G23	34 mm		108 mm	144 mm	166 mm

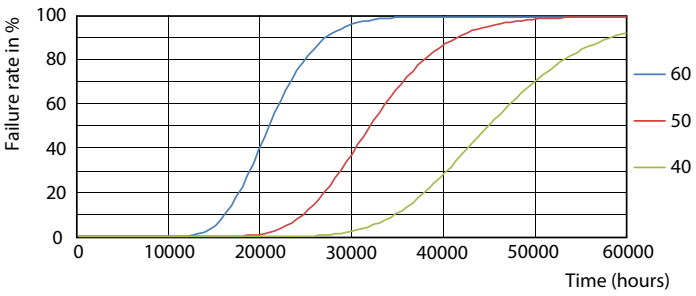
Photometric data



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

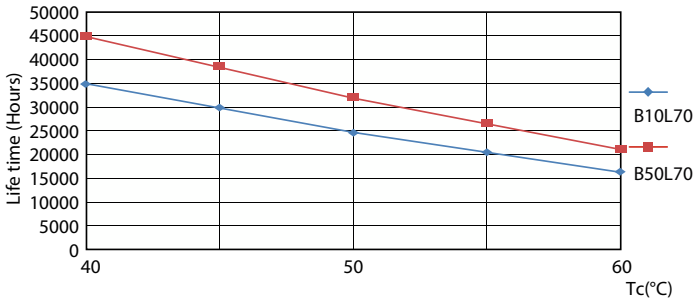
Lifetime

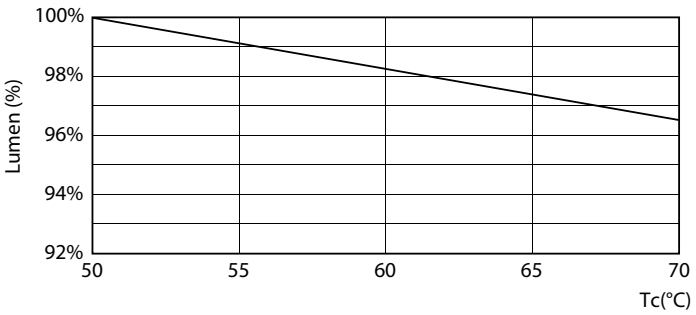




Life Expectancy Diagram

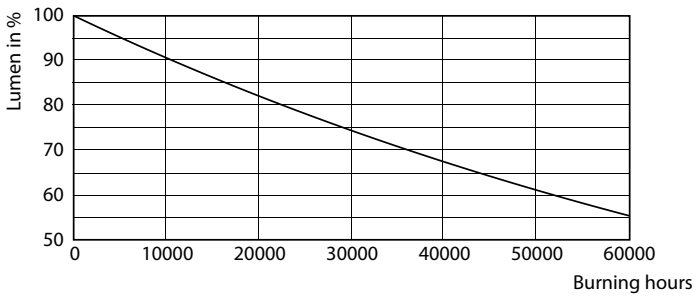
FailureRate





LifetimeVsTc

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



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