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 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

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
Ballast Compatibility	EM/Mains
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.	–

Temperature

T-Case Maximum (Nom)	45 ℃

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Controls and Dimming			EU RoHS compliant	Yes
Dimmable	No		Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1

Mechanical and Housing			Stroboscopic effect visibility measure (SVM)	0.4
Bulb Finish	Frosted		Ambient temperature range	–20 to +45 ℃
Bulb Material	Plastic			
Product Length	115 mm		**Product Data**	
Bulb Shape	PL-S		Order product name	CorePro LED PLS 3.5W 840 2P G23
Net Weight (Piece)	0.038 kg		Full product name	CorePro LED PLS 3.5W 840 2P G23
			Full product code	872016928656600
Approval and Application			Order code	929003756702
Energy Efficiency Class	E		Material Nr. (12NC)	929003756702
Energy Saving Product	Yes		Numerator – Quantity Per Pack	1
Approval Marks	RoHS compliance CE marking KEMA Keur certificate		EAN/UPC – Product/Case	8720169286566
Energy Consumption kWh/1000 h	4 kWh		Numerator – Packs per outer box	20
EPREL Registration Number	1820626		EAN/UPC – Case	8720169286573
CE mark	Yes			

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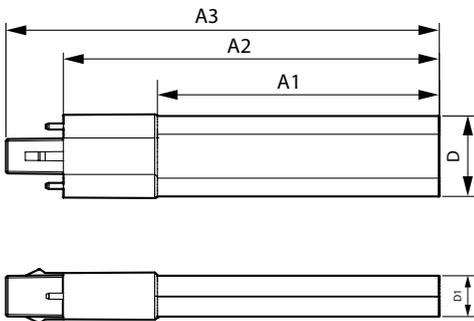
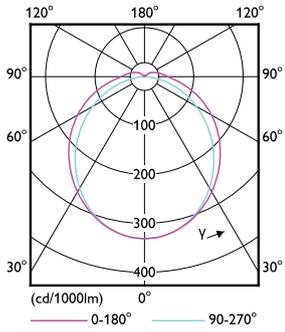| Product	D1	D	A1	A2	A3
CorePro LED PLS 3.5W 840 2P G23	16 mm	31 mm	79 mm	115 mm	137 mm

Photometric data
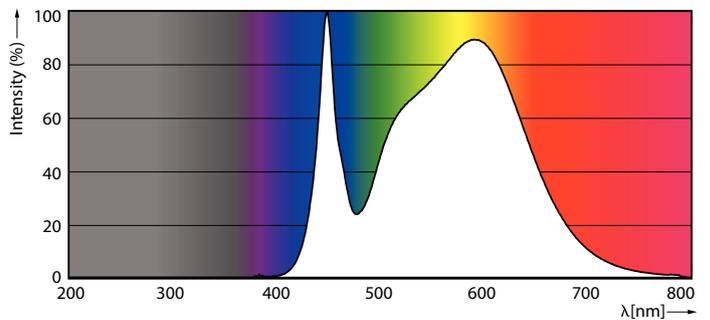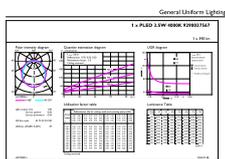
General uniform lighting – CorePro LED PLS 3.5W 840 2P G23

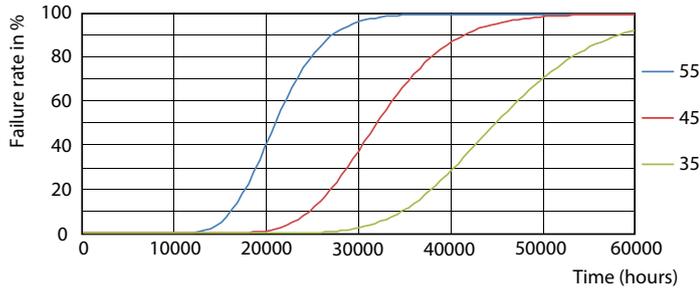Spectral Power Distribution Colour – CorePro LED PLS 3.5W 840 2P G23

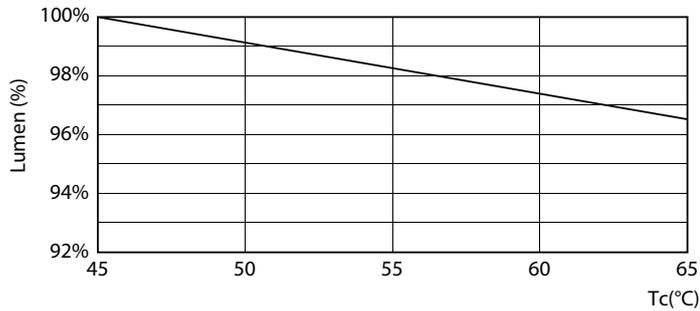# CorePro LED PLS

Photometric data

Lifetime

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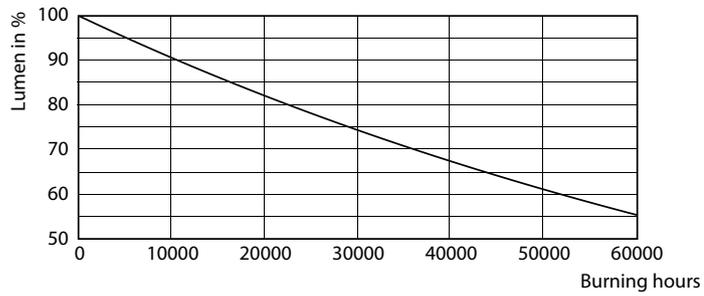
Lumen Maintenance Diagram – CorePro LED PLS 3.5W 840 2P G23