



FlexCove G5: create beautiful coving with flexible, tunable and energy-efficient LED strip lighting

Flex Cove G5

Philips FlexCove G5 is the latest generation of our popular LED cove lighting. This comprehensive new family of flexible strip lights are designed to follow straight lines or curves to create beautiful ambiances that highlight architectural details in tunable white or colored light. These customizable cove lighting strips also promise excellent energy-saving performance, superb lighting uniformity, and color consistency. All with a long lifetime that promises less lumen decay or color shifts. So with FlexCove G5, you can flex your accent lighting to suit the requirements of any project - beautifully.

Benefits

- Energy-efficient LED cove lighting
- Flexible design for straight lines or curves
- Excellent lighting uniformity with color consistency
- A long lifetime of quality and reliability

Features

- Up to 140lm/W for energy-efficient performance
- 400lm – 2000lm options available, both with a choice of CRI 80 or CRI 90
- Standard Deviation Color Matching (SDCM) 3
- 30,000 hours lifetime @L70 B50
- Tunable white and RGB+W versions available

Flex Cove G5

Application

- Hospitality
- Offices
- Retail

Specifications

Type	LS170S G2 - Basic version LS170S PRO - PRO version with higher lm/W and more LED qty./m
Mounting type	Surface Mounted and accessory available recessed with selected mounting accessory
Operating Temperature range	-25 to +45°C
Light Source	LED 2835
Mains Voltage	24VDC
Mechanical Accessories	various mounting bracket parts including surface mount and recessed.
Electrical Accessories	connector with leader cable connectors
Dimming	Driver to be ordered separately PSU: non-dimmable PSR: 1-10V PSD: DALI
Control system input	external driver to be ordered separately: DALI / 1-10V / DMX
Luminous flux	420~450lm @830,1m length 800~820lm @830,1m length 840~880lm @830,1m length 1200~1250lm @830,1m length 1600~1650lm @830,1m length 2000lm @830,1m length 2000lm @940, 1m length

Power consumption	3.4W ~ 16.5W per meter
Luminaire efficacy	Up to 140lm/W, depending on configuration
Correlated color temperature - CCT	827, 830, 840, 927, 930, 940, RGBW, Tunable White(2700K-6500K & 2200K-4000K)
Color Rendering index - CRI	CRI80, CRI90
Optical cover/lens finish	Linear diffuser as accessory included in the mounting accessory kit.
Protection Class IEC61140	Class III
Mechanical impact protection	IK03
Ingress protection	IP20 / IP44
Light source replaceable	No
Driver replaceable	Yes, external driver to be ordered separately
Overall length	5000mm per roll
Warranty	3yrs

Dimensional drawing



Flex Cove G5

Operating and Electrical

Protection class IEC	Safety class III
Input Voltage	24 DC V
Line Frequency	- Hz

Controls and Dimming

Dimmable	Yes - Check ballast compatibility
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Mechanical and Housing

Optical cover type	Without lens
Housing Color	-
Mech. impact protection code	IK03
Ingress protection code	IP20

Approval and Application

Ambient temperature range	-20 to +45 °C
CE mark	No

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
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Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401521642	LS170S LED20 930 IP20 L5000 HE PRO L	3000 K	>90	140 lm/W	2,000 lm
911401521742	LS170S LED20 940 IP20 L5000 HE PRO L	4000 K	>90	142 lm/W	2,050 lm
911401528642	LS170S LED12 865 IP20 L5000 G2	6500 K	>80	108 lm/W	1,250 lm
911401528742	LS170S LED12 930 IP20 L5000 G2	3000 K	>90	88 lm/W	1,020 lm
911401528842	LS170S LED12 940 IP20 L5000 G2	4000 K	>90	92 lm/W	1,060 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401521642	LS170S LED20 930 IP20 L5000 HE PRO L	60 W
911401521742	LS170S LED20 940 IP20 L5000 HE PRO L	60 W
911401528642	LS170S LED12 865 IP20 L5000 G2	49 W

Order Code	Full Product Name	Power Consumption
911401528742	LS170S LED12 930 IP20 L5000 G2	49 W
911401528842	LS170S LED12 940 IP20 L5000 G2	49 W

