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 +45ºC
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 congifuration
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

Versions

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Dimensional drawing

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

Mechanical and Housing

Optical cover type	Without lens
Housing Color	–
Mech. impact protection code	IK03

Approval and Application

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

Initial Performance (IEC Compliant)

Luminous flux tolerance	–10% / +10%

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401554442	LS170S LED8 S 927 IP20 L5000 G2	2700 K	>90	89 lm/W	695 lm
911401554542	LS170S LED8 S 827 IP44 L5000 G2	2700 K	>80	101 lm/W	790 lm
911401553542	LS170S LED4 840 IP20 L5000 G2	4000 K	>80	112 lm/W	435 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401554442	LS170S LED8 S 927 IP20 L5000 G2	35 W
911401554542	LS170S LED8 S 827 IP44 L5000 G2	35 W

Order Code	Full Product Name	Power Consumption
911401553542	LS170S LED4 840 IP20 L5000 G2	18.5 W

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Mechanical and Housing

Order Code	Full Product Name	Ingress protection code
911401554442	LS170S LED8 S 927 IP20 L5000 G2	IP20
911401554542	LS170S LED8 S 827 IP44 L5000 G2	IP44

Order Code	Full Product Name	Ingress protection code
911401553542	LS170S LED4 840 IP20 L5000 G2	IP20