

Philips 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

Flex Cove G5

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

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

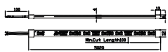
Power consumption	3.4W ~ 16.5W per meter
Luminaire efficacy	Up to 140lm/W, depending on configuration
Correlated color temperature - CCT	827, 830, 840, 927, 930, 940, RGBW, Tunable White(2700K-6500K & 2200K-4000K)
Color Rendering index - CRI	CRI80, CRI90
Optical cover/lens finish	Linear diffuser as accessory included in the mounting accessory kit.
Protection Class	Class III
IEC61140	
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

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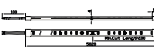
Versions

Flex Cove G5

Dimensional drawing



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
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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%
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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
911401553642	LS170S LED4 827 IP44 L5000 G2	2700 K	>80	102 lm/W	400 lm
911401553742	LS170S LED4 840 IP44 L5000 G2	4000 K	>80	109 lm/W	425 lm
911401554042	LS170S LED8 827 IP44 L5000 G2	2700 K	>80	98 lm/W	745 lm
911401554142	LS170S LED8 840 IP44 L5000 G2	4000 K	>80	105 lm/W	800 lm
911401556442	LS170S LED8 827 IP44 L5000 PRO	2700 K	>80	113 lm/W	770 lm
911401556542	LS170S LED8 830 IP44 L5000 PRO	3000 K	>80	117 lm/W	795 lm
911401556642	LS170S LED8 840 IP44 L5000 PRO	4000 K	>80	121 lm/W	830 lm
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
911401554242	LS170S LED8 S 827 IP20 L5000 G2	2700 K	>80	105 lm/W	815 lm
911401554342	LS170S LED8 S 840 IP20 L5000 G2	4000 K	>80	112 lm/W	875 lm
911401554442	LS170S LED8 S 927 IP20 L5000 G2	2700 K	>90	89 lm/W	695 lm
911401554842	LS170S LED12 827 IP20 L5000 G2	2700 K	>80	101 lm/W	1,165 lm
911401554942	LS170S LED12 840 IP20 L5000 G2	4000 K	>80	108 lm/W	1,250 lm
911401555142	LS170S LED12 927 IP20 L5000 G2	2700 K	>90	86 lm/W	990 lm
911401555742	LS170S LED16 827 IP20 L5000 G2	2700 K	>80	100 lm/W	1,550 lm
911401555842	LS170S LED16 840 IP20 L5000 G2	4000 K	>80	107 lm/W	1,665 lm
911401556742	LS170S LED8 S 827 IP20 L5000 PRO	2700 K	>80	125 lm/W	850 lm
911401556842	LS170S LED8 S 830 IP20 L5000 PRO	3000 K	>80	130 lm/W	880 lm
911401556942	LS170S LED8 S 840 IP20 L5000 PRO	4000 K	>80	135 lm/W	915 lm
911401557042	LS170S LED8 S 927 IP20 L5000 PRO	2700 K	>90	106 lm/W	725 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401557142	LS170S LED8 S 930 IP20 L5000 PRO	3000 K	>90	109 lm/W	745 lm
911401557742	LS170S LED12 827 IP20 L5000 PRO	2700 K	>80	121 lm/W	1,210 lm
911401557842	LS170S LED12 830 IP20 L5000 PRO	3000 K	>80	125 lm/W	1,250 lm
911401557942	LS170S LED12 840 IP20 L5000 PRO	4000 K	>80	130 lm/W	1,300 lm
911401558042	LS170S LED12 927 IP20 L5000 PRO	2700 K	>90	103 lm/W	1,030 lm
911401558142	LS170S LED12 930 IP20 L5000 PRO	3000 K	>90	106 lm/W	1,060 lm
911401558742	LS170S LED16 827 IP20 L5000 PRO	2700 K	>80	117 lm/W	1,600 lm
911401558842	LS170S LED16 830 IP20 L5000 PRO	3000 K	>80	125 lm/W	1,650 lm
911401559042	LS170S LED16 927 IP20 L5000 PRO	2700 K	>90	100 lm/W	1,360 lm
911401559142	LS170S LED16 930 IP20 L5000 PRO	3000 K	>90	103 lm/W	1,400 lm
911401559742	LS170S LED20 927 IP20 L5000 PRO	2700 K	>90	103 lm/W	1,700 lm
911401559842	LS170S LED20 930 IP20 L5000 PRO	3000 K	>90	106 lm/W	1,750 lm
911401560542	LS170S LED8 RGBW IP44 L5000 PRO	-	-	65 lm/W	820 lm
911401554542	LS170S LED8 S 827 IP44 L5000 G2	2700 K	>80	101 lm/W	790 lm
911401554642	LS170S LED8 S 840 IP44 L5000 G2	4000 K	>80	108 lm/W	850 lm
911401554742	LS170S LED8 S 927 IP44 L5000 G2	2700 K	>90	85 lm/W	670 lm
911401555442	LS170S LED12 827 IP44 L5000 G2	2700 K	>80	98 lm/W	1,125 lm
911401555542	LS170S LED12 840 IP44 L5000 G2	4000 K	>80	105 lm/W	1,205 lm
911401555642	LS170S LED12 927 IP44 L5000 G2	2700 K	>90	83 lm/W	955 lm
911401555942	LS170S LED16 827 IP44 L5000 G2	2700 K	>80	97 lm/W	1,500 lm
911401556042	LS170S LED16 840 IP44 L5000 G2	4000 K	>80	104 lm/W	1,610 lm
911401557242	LS170S LED8 S 827 IP44 L5000 PRO	2700 K	>80	121 lm/W	825 lm
911401557342	LS170S LED8 S 830 IP44 L5000 PRO	3000 K	>80	125 lm/W	850 lm
911401557442	LS170S LED8 S 840 IP44 L5000 PRO	4000 K	>80	130 lm/W	885 lm
911401557542	LS170S LED8 S 927 IP44 L5000 PRO	2700 K	>90	103 lm/W	700 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
911401557642	LS170S LED8 S 930 IP44 L5000 PRO	3000 K	>90	106 lm/W	720 lm
911401558242	LS170S LED12 827 IP44 L5000 PRO	2700 K	>80	117 lm/W	1,175 lm
911401558342	LS170S LED12 830 IP44 L5000 PRO	3000 K	>80	121 lm/W	1,210 lm
911401558442	LS170S LED12 840 IP44 L5000 PRO	4000 K	>80	126 lm/W	1,260 lm
911401558542	LS170S LED12 927 IP44 L5000 PRO	2700 K	>90	100 lm/W	1,000 lm
911401559242	LS170S LED16 827 IP44 L5000 PRO	2700 K	>80	114 lm/W	1,550 lm
911401559342	LS170S LED16 830 IP44 L5000 PRO	3000 K	>80	117 lm/W	1,600 lm
911401559442	LS170S LED16 840 IP44 L5000 PRO	4000 K	>80	122 lm/W	1,665 lm
911401559542	LS170S LED16 927 IP44 L5000 PRO	2700 K	>90	100 lm/W	1,360 lm
911401559642	LS170S LED16 930 IP44 L5000 PRO	3000 K	>90	100 lm/W	1,360 lm
911401559942	LS170S LED20 927 IP44 L5000 PRO	2700 K	>90	100 lm/W	1,650 lm
911401560042	LS170S LED20 930 IP44 L5000 PRO	3000 K	>90	102 lm/W	1,690 lm
911401560342	LS170S LED9 TNW IP44 L5000 PRO	-	-	105 lm/W	950 lm
911401560442	LS170S LED10 TNW IP44 L5000 PRO	-	-	110 lm/W	1,000 lm
911401553442	LS170S LED4 827 IP20 L5000 G2	2700 K	>80	105 lm/W	405 lm
911401553542	LS170S LED4 840 IP20 L5000 G2	4000 K	>80	112 lm/W	435 lm
911401553842	LS170S LED8 827 IP20 L5000 G2	2700 K	>80	102 lm/W	775 lm
911401553942	LS170S LED8 840 IP20 L5000 G2	4000 K	>80	109 lm/W	830 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
911401553642	LS170S LED4 827 IP44 L5000 G2	18.5 W	911401528742	LS170S LED12 930 IP20 L5000 G2	49 W
911401553742	LS170S LED4 840 IP44 L5000 G2	18.5 W	911401528842	LS170S LED12 940 IP20 L5000 G2	49 W
911401554042	LS170S LED8 827 IP44 L5000 G2	34 W	911401554242	LS170S LED8 S 827 IP20 L5000 G2	35 W
911401554142	LS170S LED8 840 IP44 L5000 G2	34 W	911401554342	LS170S LED8 S 840 IP20 L5000 G2	35 W
911401556442	LS170S LED8 827 IP44 L5000 PRO	29.5 W	911401554442	LS170S LED8 S 927 IP20 L5000 G2	35 W
911401556542	LS170S LED8 830 IP44 L5000 PRO	29.5 W	911401554842	LS170S LED12 827 IP20 L5000 G2	49 W
911401556642	LS170S LED8 840 IP44 L5000 PRO	29.5 W	911401554942	LS170S LED12 840 IP20 L5000 G2	49 W
911401521642	LS170S LED20 930 IP20 L5000 HE PRO L	60 W	911401555142	LS170S LED12 927 IP20 L5000 G2	49 W
911401521742	LS170S LED20 940 IP20 L5000 HE PRO L	60 W	911401555742	LS170S LED16 827 IP20 L5000 G2	63 W
911401528642	LS170S LED12 865 IP20 L5000 G2	49 W	911401555842	LS170S LED16 840 IP20 L5000 G2	63 W

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Order Code	Full Product Name	Power Consumption
911401556742	LS170S LED8 S 827 IP20 L5000 PRO	30 W
911401556842	LS170S LED8 S 830 IP20 L5000 PRO	30 W
911401556942	LS170S LED8 S 840 IP20 L5000 PRO	30 W
911401557042	LS170S LED8 S 927 IP20 L5000 PRO	30 W
911401557142	LS170S LED8 S 930 IP20 L5000 PRO	30 W
911401557742	LS170S LED12 827 IP20 L5000 PRO	41 W
911401557842	LS170S LED12 830 IP20 L5000 PRO	41 W
911401557942	LS170S LED12 840 IP20 L5000 PRO	41 W
911401558042	LS170S LED12 927 IP20 L5000 PRO	41 W
911401558142	LS170S LED12 930 IP20 L5000 PRO	41 W
911401558742	LS170S LED16 827 IP20 L5000 PRO	52 W
911401558842	LS170S LED16 830 IP20 L5000 PRO	52 W
911401559042	LS170S LED16 927 IP20 L5000 PRO	52 W
911401559142	LS170S LED16 930 IP20 L5000 PRO	52 W
911401559742	LS170S LED20 927 IP20 L5000 PRO	65 W
911401559842	LS170S LED20 930 IP20 L5000 PRO	65 W
911401560542	LS170S LED8 RGBW IP44 L5000 PRO	48 W
911401554542	LS170S LED8 S 827 IP44 L5000 G2	35 W
911401554642	LS170S LED8 S 840 IP44 L5000 G2	35 W
911401554742	LS170S LED8 S 927 IP44 L5000 G2	35 W
911401555442	LS170S LED12 827 IP44 L5000 G2	49 W
911401555542	LS170S LED12 840 IP44 L5000 G2	49 W
911401555642	LS170S LED12 927 IP44 L5000 G2	49 W
911401555942	LS170S LED16 827 IP44 L5000 G2	63 W

Order Code	Full Product Name	Power Consumption
911401556042	LS170S LED16 840 IP44 L5000 G2	63 W
911401557242	LS170S LED8 S 827 IP44 L5000 PRO	30 W
911401557342	LS170S LED8 S 830 IP44 L5000 PRO	30 W
911401557442	LS170S LED8 S 840 IP44 L5000 PRO	30 W
911401557542	LS170S LED8 S 927 IP44 L5000 PRO	30 W
911401557642	LS170S LED8 S 930 IP44 L5000 PRO	30 W
911401558242	LS170S LED12 827 IP44 L5000 PRO	41 W
911401558342	LS170S LED12 830 IP44 L5000 PRO	41 W
911401558442	LS170S LED12 840 IP44 L5000 PRO	41 W
911401558542	LS170S LED12 927 IP44 L5000 PRO	41 W
911401559242	LS170S LED16 827 IP44 L5000 PRO	52 W
911401559342	LS170S LED16 830 IP44 L5000 PRO	52 W
911401559442	LS170S LED16 840 IP44 L5000 PRO	52 W
911401559542	LS170S LED16 927 IP44 L5000 PRO	52 W
911401559642	LS170S LED16 930 IP44 L5000 PRO	52 W
911401559942	LS170S LED20 927 IP44 L5000 PRO	65 W
911401560042	LS170S LED20 930 IP44 L5000 PRO	65 W
911401560342	LS170S LED9 TNW IP44 L5000 PRO	40.5 W
911401560442	LS170S LED10 TNW IP44 L5000 PRO	40.5 W
911401553442	LS170S LED4 827 IP20 L5000 G2	18.5 W
911401553542	LS170S LED4 840 IP20 L5000 G2	18.5 W
911401553842	LS170S LED8 827 IP20 L5000 G2	34 W
911401553942	LS170S LED8 840 IP20 L5000 G2	34 W

Mechanical and Housing

Order Code	Full Product Name	Ingress protection code
911401553642	LS170S LED4 827 IP44 L5000 G2	IP44
911401553742	LS170S LED4 840 IP44 L5000 G2	IP44
911401554042	LS170S LED8 827 IP44 L5000 G2	IP44
911401554142	LS170S LED8 840 IP44 L5000 G2	IP44
911401556442	LS170S LED8 827 IP44 L5000 PRO	IP44
911401556542	LS170S LED8 830 IP44 L5000 PRO	IP44
911401556642	LS170S LED8 840 IP44 L5000 PRO	IP44
911401521642	LS170S LED20 930 IP20 L5000 HE PRO L	IP20
911401521742	LS170S LED20 940 IP20 L5000 HE PRO L	IP20
911401528642	LS170S LED12 865 IP20 L5000 G2	IP20
911401528742	LS170S LED12 930 IP20 L5000 G2	IP20
911401528842	LS170S LED12 940 IP20 L5000 G2	IP20
911401554242	LS170S LED8 S 827 IP20 L5000 G2	IP20
911401554342	LS170S LED8 S 840 IP20 L5000 G2	IP20
911401554442	LS170S LED8 S 927 IP20 L5000 G2	IP20
911401554842	LS170S LED12 827 IP20 L5000 G2	IP20
911401554942	LS170S LED12 840 IP20 L5000 G2	IP20
911401555142	LS170S LED12 927 IP20 L5000 G2	IP20
911401555742	LS170S LED16 827 IP20 L5000 G2	IP20
911401555842	LS170S LED16 840 IP20 L5000 G2	IP20
911401556742	LS170S LED8 S 827 IP20 L5000 PRO	IP20
911401556842	LS170S LED8 S 830 IP20 L5000 PRO	IP20
911401556942	LS170S LED8 S 840 IP20 L5000 PRO	IP20
911401557042	LS170S LED8 S 927 IP20 L5000 PRO	IP20

Order Code	Full Product Name	Ingress protection code
911401557142	LS170S LED8 S 930 IP20 L5000 PRO	IP20
911401557742	LS170S LED12 827 IP20 L5000 PRO	IP20
911401557842	LS170S LED12 830 IP20 L5000 PRO	IP20
911401557942	LS170S LED12 840 IP20 L5000 PRO	IP20
911401558042	LS170S LED12 927 IP20 L5000 PRO	IP20
911401558142	LS170S LED12 930 IP20 L5000 PRO	IP20
911401558742	LS170S LED16 827 IP20 L5000 PRO	IP20
911401558842	LS170S LED16 830 IP20 L5000 PRO	IP20
911401559042	LS170S LED16 927 IP20 L5000 PRO	IP20
911401559142	LS170S LED16 930 IP20 L5000 PRO	IP20
911401559742	LS170S LED20 927 IP20 L5000 PRO	IP20
911401559842	LS170S LED20 930 IP20 L5000 PRO	IP20
911401560542	LS170S LED8 RGBW IP44 L5000 PRO	IP44
911401554542	LS170S LED8 S 827 IP44 L5000 G2	IP44
911401554642	LS170S LED8 S 840 IP44 L5000 G2	IP44
911401554742	LS170S LED8 S 927 IP44 L5000 G2	IP44
911401555442	LS170S LED12 827 IP44 L5000 G2	IP44
911401555542	LS170S LED12 840 IP44 L5000 G2	IP44
911401555642	LS170S LED12 927 IP44 L5000 G2	IP44
911401555942	LS170S LED16 827 IP44 L5000 G2	IP44
911401556042	LS170S LED16 840 IP44 L5000 G2	IP44
911401557242	LS170S LED8 S 827 IP44 L5000 PRO	IP44
911401557342	LS170S LED8 S 830 IP44 L5000 PRO	IP44
911401557442	LS170S LED8 S 840 IP44 L5000 PRO	IP44

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Order Code	Full Product Name	Ingress protection code
911401557542	LS170S LED8 S 927 IP44 L5000 PRO	IP44
911401557642	LS170S LED8 S 930 IP44 L5000 PRO	IP44
911401558242	LS170S LED12 827 IP44 L5000 PRO	IP44
911401558342	LS170S LED12 830 IP44 L5000 PRO	IP44
911401558442	LS170S LED12 840 IP44 L5000 PRO	IP44
911401558542	LS170S LED12 927 IP44 L5000 PRO	IP44
911401559242	LS170S LED16 827 IP44 L5000 PRO	IP44
911401559342	LS170S LED16 830 IP44 L5000 PRO	IP44
911401559442	LS170S LED16 840 IP44 L5000 PRO	IP44
911401559542	LS170S LED16 927 IP44 L5000 PRO	IP44

Order Code	Full Product Name	Ingress protection code
911401559642	LS170S LED16 930 IP44 L5000 PRO	IP44
911401559942	LS170S LED20 927 IP44 L5000 PRO	IP44
911401560042	LS170S LED20 930 IP44 L5000 PRO	IP44
911401560342	LS170S LED9 TNW IP44 L5000 PRO	IP44
911401560442	LS170S LED10 TNW IP44 L5000 PRO	IP44
911401553442	LS170S LED4 827 IP20 L5000 G2	IP20
911401553542	LS170S LED4 840 IP20 L5000 G2	IP20
911401553842	LS170S LED8 827 IP20 L5000 G2	IP20
911401553942	LS170S LED8 840 IP20 L5000 G2	IP20

