

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

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

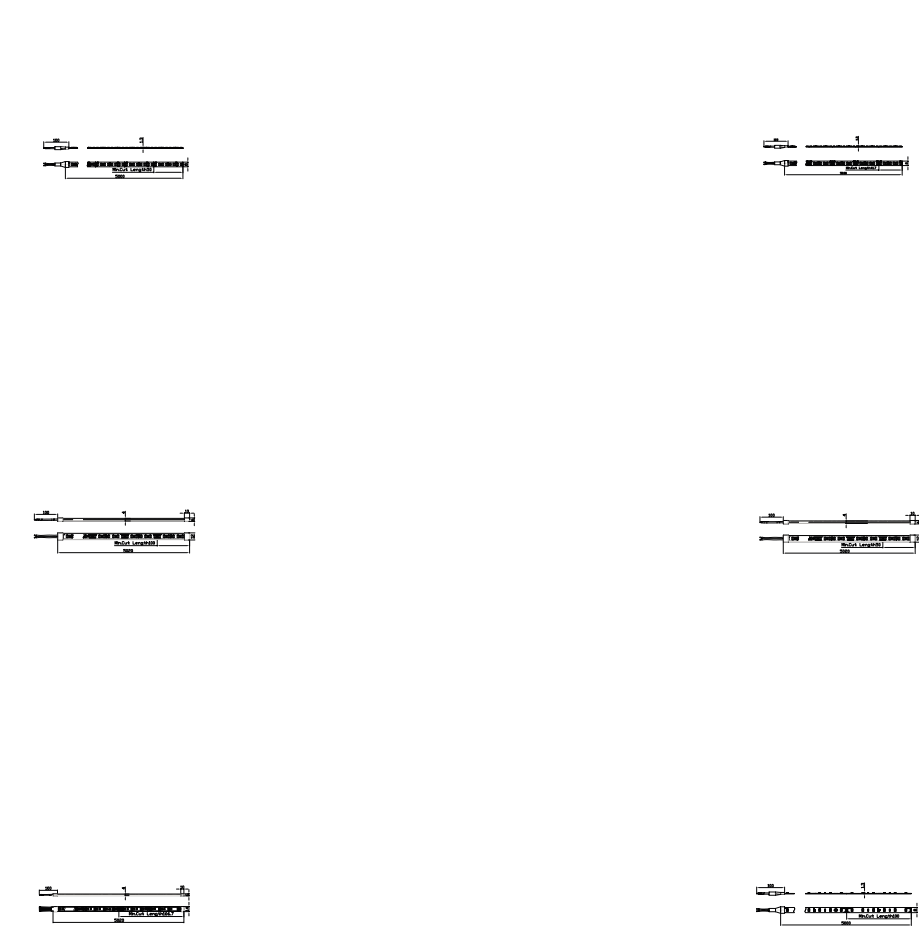
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Versions

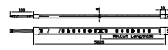


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Dimensional drawing



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
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	Color	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Temperature (Nom)	rendering index (CRI)		
66658399	LS170S LED4 827 IP44 L5000 G2	2700 K	>80	102 lm/W	400 lm
66659099	LS170S LED4 840 IP44 L5000 G2	4000 K	>80	109 lm/W	425 lm
66662099	LS170S LED8 827 IP44 L5000 G2	2700 K	>80	98 lm/W	745 lm
66663799	LS170S LED8 840 IP44 L5000 G2	4000 K	>80	105 lm/W	800 lm
66733799	LS170S LED8 827 IP44 L5000 PRO	2700 K	>80	113 lm/W	770 lm
66734499	LS170S LED8 830 IP44 L5000 PRO	3000 K	>80	117 lm/W	795 lm
66735199	LS170S LED8 840 IP44 L5000 PRO	4000 K	>80	121 lm/W	830 lm
66770299	LS170S LED20 930 IP20 L5000 HE PRO L	3000 K	>90	140 lm/W	2,000 lm
66771999	LS170S LED20 940 IP20 L5000 HE PRO L	4000 K	>90	142 lm/W	2,050 lm
66672999	LS170S LED12 865 IP20 L5000 G2	6500 K	>80	108 lm/W	1,250 lm
66674399	LS170S LED12 930 IP20 L5000 G2	3000 K	>90	88 lm/W	1,020 lm
66675099	LS170S LED12 940 IP20 L5000 G2	4000 K	>90	92 lm/W	1,060 lm
66664499	LS170S LED8 S 827 IP20 L5000 G2	2700 K	>80	105 lm/W	815 lm
66665199	LS170S LED8 S 840 IP20 L5000 G2	4000 K	>80	112 lm/W	875 lm
66666899	LS170S LED8 S 927 IP20 L5000 G2	2700 K	>90	89 lm/W	695 lm
66670599	LS170S LED12 827 IP20 L5000 G2	2700 K	>80	101 lm/W	1,165 lm
66671299	LS170S LED12 840 IP20 L5000 G2	4000 K	>80	108 lm/W	1,250 lm
66673699	LS170S LED12 927 IP20 L5000 G2	2700 K	>90	86 lm/W	990 lm
66679899	LS170S LED16 827 IP20 L5000 G2	2700 K	>80	100 lm/W	1,550 lm
66680499	LS170S LED16 840 IP20 L5000 G2	4000 K	>80	107 lm/W	1,665 lm
66736899	LS170S LED8 S 827 IP20 L5000 PRO	2700 K	>80	125 lm/W	850 lm
66737599	LS170S LED8 S 830 IP20 L5000 PRO	3000 K	>80	130 lm/W	880 lm
66738299	LS170S LED8 S 840 IP20 L5000 PRO	4000 K	>80	135 lm/W	915 lm
66739999	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
66740599	LS170S LED8 S 930 IP20 L5000 PRO	3000 K	>90	109 lm/W	745 lm
66746799	LS170S LED12 827 IP20 L5000 PRO	2700 K	>80	121 lm/W	1,210 lm
66747499	LS170S LED12 830 IP20 L5000 PRO	3000 K	>80	125 lm/W	1,250 lm
66748199	LS170S LED12 840 IP20 L5000 PRO	4000 K	>80	130 lm/W	1,300 lm
66749899	LS170S LED12 927 IP20 L5000 PRO	2700 K	>90	103 lm/W	1,030 lm
66750499	LS170S LED12 930 IP20 L5000 PRO	3000 K	>90	106 lm/W	1,060 lm
66756699	LS170S LED16 827 IP20 L5000 PRO	2700 K	>80	117 lm/W	1,600 lm
66757399	LS170S LED16 830 IP20 L5000 PRO	3000 K	>80	125 lm/W	1,650 lm
66758099	LS170S LED16 840 IP20 L5000 PRO	4000 K	>80	126 lm/W	1,715 lm
66759799	LS170S LED16 927 IP20 L5000 PRO	2700 K	>90	100 lm/W	1,360 lm
66760399	LS170S LED16 930 IP20 L5000 PRO	3000 K	>90	103 lm/W	1,400 lm
66766599	LS170S LED20 927 IP20 L5000 PRO	2700 K	>90	103 lm/W	1,700 lm
66767299	LS170S LED20 930 IP20 L5000 PRO	3000 K	>90	106 lm/W	1,750 lm
66774099	LS170S LED8 RGBW IP44 L5000 PRO	-	-	65 lm/W	820 lm
66667599	LS170S LED8 S 827 IP44 L5000 G2	2700 K	>80	101 lm/W	790 lm
66668299	LS170S LED8 S 840 IP44 L5000 G2	4000 K	>80	108 lm/W	850 lm
66669999	LS170S LED8 S 927 IP44 L5000 G2	2700 K	>90	85 lm/W	670 lm
66676799	LS170S LED12 827 IP44 L5000 G2	2700 K	>80	98 lm/W	1,125 lm
66677499	LS170S LED12 840 IP44 L5000 G2	4000 K	>80	105 lm/W	1,205 lm
66678199	LS170S LED12 927 IP44 L5000 G2	2700 K	>90	83 lm/W	955 lm
66681199	LS170S LED16 827 IP44 L5000 G2	2700 K	>80	97 lm/W	1,500 lm
66682899	LS170S LED16 840 IP44 L5000 G2	4000 K	>80	104 lm/W	1,610 lm
66741299	LS170S LED8 S 827 IP44 L5000 PRO	2700 K	>80	121 lm/W	825 lm
66742999	LS170S LED8 S 830 IP44 L5000 PRO	3000 K	>80	125 lm/W	850 lm
66743699	LS170S LED8 S 840 IP44 L5000 PRO	4000 K	>80	130 lm/W	885 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
66744399	LS170S LED8 S 927 IP44 L5000 PRO	2700 K	>90	103 lm/W	700 lm
66745099	LS170S LED8 S 930 IP44 L5000 PRO	3000 K	>90	106 lm/W	720 lm
66751199	LS170S LED12 827 IP44 L5000 PRO	2700 K	>80	117 lm/W	1,175 lm
66752899	LS170S LED12 830 IP44 L5000 PRO	3000 K	>80	121 lm/W	1,210 lm
66753599	LS170S LED12 840 IP44 L5000 PRO	4000 K	>80	126 lm/W	1,260 lm
66754299	LS170S LED12 927 IP44 L5000 PRO	2700 K	>90	100 lm/W	1,000 lm
66755999	LS170S LED12 930 IP44 L5000 PRO	3000 K	>90	103 lm/W	1,030 lm
66761099	LS170S LED16 827 IP44 L5000 PRO	2700 K	>80	114 lm/W	1,550 lm
66762799	LS170S LED16 830 IP44 L5000 PRO	3000 K	>80	117 lm/W	1,600 lm
66763499	LS170S LED16 840 IP44 L5000 PRO	4000 K	>80	122 lm/W	1,665 lm
66764199	LS170S LED16 927 IP44 L5000 PRO	2700 K	>90	100 lm/W	1,360 lm
66765899	LS170S LED16 930 IP44 L5000 PRO	3000 K	>90	100 lm/W	1,360 lm
66768999	LS170S LED20 927 IP44 L5000 PRO	2700 K	>90	100 lm/W	1,650 lm
66769699	LS170S LED20 930 IP44 L5000 PRO	3000 K	>90	102 lm/W	1,690 lm
66772699	LS170S LED9 TNW IP44 L5000 PRO	-	-	105 lm/W	950 lm
66773399	LS170S LED10 TNW IP44 L5000 PRO	-	-	110 lm/W	1,000 lm
66656999	LS170S LED4 827 IP20 L5000 G2	2700 K	>80	105 lm/W	405 lm
66657699	LS170S LED4 840 IP20 L5000 G2	4000 K	>80	112 lm/W	435 lm
66660699	LS170S LED8 827 IP20 L5000 G2	2700 K	>80	102 lm/W	775 lm
66661399	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
66658399	LS170S LED4 827 IP44 L5000 G2	18.5 W	66735199	LS170S LED8 840 IP44 L5000 PRO	29.5 W
66659099	LS170S LED4 840 IP44 L5000 G2	18.5 W	66770299	LS170S LED20 930 IP20 L5000 HE PRO L	60 W
66662099	LS170S LED8 827 IP44 L5000 G2	34 W	66771999	LS170S LED20 940 IP20 L5000 HE PRO L	60 W
66663799	LS170S LED8 840 IP44 L5000 G2	34 W	66672999	LS170S LED12 865 IP20 L5000 G2	49 W
66733799	LS170S LED8 827 IP44 L5000 PRO	29.5 W	66674399	LS170S LED12 930 IP20 L5000 G2	49 W
66734499	LS170S LED8 830 IP44 L5000 PRO	29.5 W	66675099	LS170S LED12 940 IP20 L5000 G2	49 W

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Order Code	Full Product Name	Power Consumption
66664499	LS170S LED8 S 827 IP20 L5000 G2	35 W
66665199	LS170S LED8 S 840 IP20 L5000 G2	35 W
66666899	LS170S LED8 S 927 IP20 L5000 G2	35 W
66670599	LS170S LED12 827 IP20 L5000 G2	49 W
66671299	LS170S LED12 840 IP20 L5000 G2	49 W
66673699	LS170S LED12 927 IP20 L5000 G2	49 W
66679899	LS170S LED16 827 IP20 L5000 G2	63 W
66680499	LS170S LED16 840 IP20 L5000 G2	63 W
66736899	LS170S LED8 S 827 IP20 L5000 PRO	30 W
66737599	LS170S LED8 S 830 IP20 L5000 PRO	30 W
66738299	LS170S LED8 S 840 IP20 L5000 PRO	30 W
66739999	LS170S LED8 S 927 IP20 L5000 PRO	30 W
66740599	LS170S LED8 S 930 IP20 L5000 PRO	30 W
66746799	LS170S LED12 827 IP20 L5000 PRO	41 W
66747499	LS170S LED12 830 IP20 L5000 PRO	41 W
66748199	LS170S LED12 840 IP20 L5000 PRO	41 W
66749899	LS170S LED12 927 IP20 L5000 PRO	41 W
66750499	LS170S LED12 930 IP20 L5000 PRO	41 W
66756699	LS170S LED16 827 IP20 L5000 PRO	52 W
66757399	LS170S LED16 830 IP20 L5000 PRO	52 W
66758099	LS170S LED16 840 IP20 L5000 PRO	52 W
66759799	LS170S LED16 927 IP20 L5000 PRO	52 W
66760399	LS170S LED16 930 IP20 L5000 PRO	52 W
66766599	LS170S LED20 927 IP20 L5000 PRO	65 W
66767299	LS170S LED20 930 IP20 L5000 PRO	65 W
66774099	LS170S LED8 RGBW IP44 L5000 PRO	48 W
66667599	LS170S LED8 S 827 IP44 L5000 G2	35 W
66668299	LS170S LED8 S 840 IP44 L5000 G2	35 W
66669999	LS170S LED8 S 927 IP44 L5000 G2	35 W

Order Code	Full Product Name	Power Consumption
66676799	LS170S LED12 827 IP44 L5000 G2	49 W
66677499	LS170S LED12 840 IP44 L5000 G2	49 W
66678199	LS170S LED12 927 IP44 L5000 G2	49 W
66681199	LS170S LED16 827 IP44 L5000 G2	63 W
66682899	LS170S LED16 840 IP44 L5000 G2	63 W
66741299	LS170S LED8 S 827 IP44 L5000 PRO	30 W
66742999	LS170S LED8 S 830 IP44 L5000 PRO	30 W
66743699	LS170S LED8 S 840 IP44 L5000 PRO	30 W
66744399	LS170S LED8 S 927 IP44 L5000 PRO	30 W
66745099	LS170S LED8 S 930 IP44 L5000 PRO	30 W
66751199	LS170S LED12 827 IP44 L5000 PRO	41 W
66752899	LS170S LED12 830 IP44 L5000 PRO	41 W
66753599	LS170S LED12 840 IP44 L5000 PRO	41 W
66754299	LS170S LED12 927 IP44 L5000 PRO	41 W
66755999	LS170S LED12 930 IP44 L5000 PRO	41 W
66761099	LS170S LED16 827 IP44 L5000 PRO	52 W
66762799	LS170S LED16 830 IP44 L5000 PRO	52 W
66763499	LS170S LED16 840 IP44 L5000 PRO	52 W
66764199	LS170S LED16 927 IP44 L5000 PRO	52 W
66765899	LS170S LED16 930 IP44 L5000 PRO	52 W
66768999	LS170S LED20 927 IP44 L5000 PRO	65 W
66769699	LS170S LED20 930 IP44 L5000 PRO	65 W
66772699	LS170S LED9 TNW IP44 L5000 PRO	40.5 W
66773399	LS170S LED10 TNW IP44 L5000 PRO	40.5 W
66656999	LS170S LED4 827 IP20 L5000 G2	18.5 W
66657699	LS170S LED4 840 IP20 L5000 G2	18.5 W
66660699	LS170S LED8 827 IP20 L5000 G2	34 W
66661399	LS170S LED8 840 IP20 L5000 G2	34 W

Mechanical and Housing

Order Code	Full Product Name	Ingress protection code
66658399	LS170S LED4 827 IP44 L5000 G2	IP44
66659099	LS170S LED4 840 IP44 L5000 G2	IP44
66662099	LS170S LED8 827 IP44 L5000 G2	IP44
66663799	LS170S LED8 840 IP44 L5000 G2	IP44
66733799	LS170S LED8 827 IP44 L5000 PRO	IP44
66734499	LS170S LED8 830 IP44 L5000 PRO	IP44
66735199	LS170S LED8 840 IP44 L5000 PRO	IP44
66770299	LS170S LED20 930 IP20 L5000 HE PRO L	IP20
66771999	LS170S LED20 940 IP20 L5000 HE PRO L	IP20
66672999	LS170S LED12 865 IP20 L5000 G2	IP20
66674399	LS170S LED12 930 IP20 L5000 G2	IP20
66675099	LS170S LED12 940 IP20 L5000 G2	IP20
66664499	LS170S LED8 S 827 IP20 L5000 G2	IP20
66665199	LS170S LED8 S 840 IP20 L5000 G2	IP20
66666899	LS170S LED8 S 927 IP20 L5000 G2	IP20
66670599	LS170S LED12 827 IP20 L5000 G2	IP20
66671299	LS170S LED12 840 IP20 L5000 G2	IP20
66673699	LS170S LED12 927 IP20 L5000 G2	IP20
66679899	LS170S LED16 827 IP20 L5000 G2	IP20

Order Code	Full Product Name	Ingress protection code
66680499	LS170S LED16 840 IP20 L5000 G2	IP20
66736899	LS170S LED8 S 827 IP20 L5000 PRO	IP20
66737599	LS170S LED8 S 830 IP20 L5000 PRO	IP20
66738299	LS170S LED8 S 840 IP20 L5000 PRO	IP20
66739999	LS170S LED8 S 927 IP20 L5000 PRO	IP20
66740599	LS170S LED8 S 930 IP20 L5000 PRO	IP20
66746799	LS170S LED12 827 IP20 L5000 PRO	IP20
66747499	LS170S LED12 830 IP20 L5000 PRO	IP20
66748199	LS170S LED12 840 IP20 L5000 PRO	IP20
66749899	LS170S LED12 927 IP20 L5000 PRO	IP20
66750499	LS170S LED12 930 IP20 L5000 PRO	IP20
66756699	LS170S LED16 827 IP20 L5000 PRO	IP20
66757399	LS170S LED16 830 IP20 L5000 PRO	IP20
66758099	LS170S LED16 840 IP20 L5000 PRO	IP20
66759799	LS170S LED16 927 IP20 L5000 PRO	IP20
66760399	LS170S LED16 930 IP20 L5000 PRO	IP20
66766599	LS170S LED20 927 IP20 L5000 PRO	IP20
66767299	LS170S LED20 930 IP20 L5000 PRO	IP20
66774099	LS170S LED8 RGBW IP44 L5000 PRO	IP44

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Order Code	Full Product Name	Ingress protection code
66667599	LS170S LED8 S 827 IP44 L5000 G2	IP44
66668299	LS170S LED8 S 840 IP44 L5000 G2	IP44
66669999	LS170S LED8 S 927 IP44 L5000 G2	IP44
66676799	LS170S LED12 827 IP44 L5000 G2	IP44
66677499	LS170S LED12 840 IP44 L5000 G2	IP44
66678199	LS170S LED12 927 IP44 L5000 G2	IP44
66681199	LS170S LED16 827 IP44 L5000 G2	IP44
66682899	LS170S LED16 840 IP44 L5000 G2	IP44
66741299	LS170S LED8 S 827 IP44 L5000 PRO	IP44
66742999	LS170S LED8 S 830 IP44 L5000 PRO	IP44
66743699	LS170S LED8 S 840 IP44 L5000 PRO	IP44
66744399	LS170S LED8 S 927 IP44 L5000 PRO	IP44
66745099	LS170S LED8 S 930 IP44 L5000 PRO	IP44
66751199	LS170S LED12 827 IP44 L5000 PRO	IP44
66752899	LS170S LED12 830 IP44 L5000 PRO	IP44
66753599	LS170S LED12 840 IP44 L5000 PRO	IP44

Order Code	Full Product Name	Ingress protection code
66754299	LS170S LED12 927 IP44 L5000 PRO	IP44
66755999	LS170S LED12 930 IP44 L5000 PRO	IP44
66761099	LS170S LED16 827 IP44 L5000 PRO	IP44
66762799	LS170S LED16 830 IP44 L5000 PRO	IP44
66763499	LS170S LED16 840 IP44 L5000 PRO	IP44
66764199	LS170S LED16 927 IP44 L5000 PRO	IP44
66765899	LS170S LED16 930 IP44 L5000 PRO	IP44
66768999	LS170S LED20 927 IP44 L5000 PRO	IP44
66769699	LS170S LED20 930 IP44 L5000 PRO	IP44
66772699	LS170S LED9 TNW IP44 L5000 PRO	IP44
66773399	LS170S LED10 TNW IP44 L5000 PRO	IP44
66656999	LS170S LED4 827 IP20 L5000 G2	IP20
66657699	LS170S LED4 840 IP20 L5000 G2	IP20
66660699	LS170S LED8 827 IP20 L5000 G2	IP20
66661399	LS170S LED8 840 IP20 L5000 G2	IP20

