



# SP630E

## Universal SPI + 5 Channel PWM Controller for RGBTW Strips



Project: \_\_\_\_\_

Location: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### DESCRIPTION

Universal LED Controller compatible with 12 types of LED strips:

PWM - 1 to 5 PWM channel single to RGB CCT

SPI - 1 to 5 PWM channel single to RGB CCT

SPI RGB + 1 to 2 channel PWM

### FEATURES

LED Types	Functions	APP Pages		Dynamic		Static		Music		Custom
		Colorful	White	Colorful	White	Colorful	White	Colorful	White	DIY
1	1CH PWM Single Color	None	3	None	DIM	None	1	None	None	
2	2CH PWM CCT	None	3	None	CCT	None	1	None	None	
3	3CH PWM RGB	12	None	HUE	None	3	None	3	None	
4	4CH PWM RGBW	12	3	HUE	DIM	3	1	3	None	
5	5CH PWM RGB CCT	12	3	HUE	CCT	3	1	3	None	
6	SPI Single Color	None	10	None	DIM	None	5	None	None	
7	SPI CCT	None	10	None	CCT	无	5	None	None	
8	SPI RGB	146	None	HUE	None	18	None	18	None	
9	SPI RGBW	146	10	HUE	DIM	18	5	18	None	
10	SPI RGB CCT	146	10	HUE	CCT	18	5	18	None	
11	SPI RGB+1CH PWM Single Color	146	3	HUE	DIM	18	1	18	None	
12	SPI RGB+2CH PWM CCT	146	3	HUE	CCT	18	1	18	None	

### WIRING

LED Type	Output Port							
	VCC	R	G	B	CW	WW	DAT	GND
1	✓				✓	✓		
2	✓				✓	✓		
3	✓	✓	✓	✓				
4	✓	✓	✓	✓	✓			
5	✓	✓	✓	✓	✓	✓		
6	✓						✓	✓
7	✓						✓	✓
8	✓						✓	✓
9	✓						✓	✓
10	✓						✓	✓
11	✓				✓	✓	✓	✓
12	✓				✓	✓	✓	✓

### ORDERING GUIDE

#### SP630E

SPECIFICATION	
Input Voltage	5 - 24V DC
3 mA - 13 mA	Maximum output 6A
PWM Total	Maximum output 12A
RF Frequency / WiFi	2.4 GHz
Dimensions	3" x 2 1/4" x 3/4" (78 x 56 x 20 mm)
Operating Temperature	-4°F (-20°C) to +140°F (+60°C)
IP Rating	IP20
Certification	CE, FCC
Warranty	3 Year

Control by app (2.4 GHz Wi-Fi required) or by remote control

[App for iOS and Android](#)

[Remote Control](#)



BanlanX



RB4

### COMPATIBLE RGBW & TUNABLE WHITE STRIPS



RGBW (3000K) COB LED Strip PWM 24V 16ft IP20

[LBL-PWM-RGBW-IP20-16FT](#)



RGBW (3000K) COB LED Strip SPI 24V 16ft IP65

[LBL-SPI-RGBW-IP65-16FT](#)



RGBTW LED Strip IP20

[LBL-5050-2835-72P-24V-10MM-RGBTW-SPI-IP20](#)



RGBTW LED Strip IP65

[LBL-5050-2835-72P-24V-10MM-RGBTW-SPI-IP65](#)



Tunable White 2700-5000K COB IP20

[LBL-COB-TW5CCT-IP20](#)



Tunable White Sauna Rated 2700-5000K COB IP67

[ES-FSCOBWW+W-24-IP67-5CCT-IP67](#)

Lotus LED Lights USA

250 H Street # 301, Blaine WA 98230 tel 360-200-5500

Hainesport NJ & Ferndale WA

[www.LotusLEDLights.com](http://www.LotusLEDLights.com)

mailing addresses

warehouses

Lotus LED Lights CANADA

1080 Cliveden Ave # 6, Delta BC V3M 6G6 tel 604-538-3090

Delta BC & Mississauga ON