5.8W/FT LOVO™FLEX LED RGBW 4-in-1 FLEXIBLE TAPE LIGHTING

Prism *Lighting Group*

Client:
Project:
Type:
Order Code:
Quantity:

Lovo™Flex RGBW SMD 5060 Flexible Strip is our original premium quality RGBW strip. The 5060 SMD LEDs not only provide brilliant brightness but also fabulous color changing properties, over 16 million colors to be exact. The New 4 in 1 LED has Red, Green, Blue and Warm White Quad LED Chip. With our pre-programmed RF remote RGBW Controller or DMX interface decoder, you will be able to reach almost any color you desire.

SPECIFICATIONS

Product Number	6070-FL-5.8W24V-RGBW-4in1
Voltage	24VDC
Length	20Ft (6M) or 100Ft (30M)
Color Temperature	RGBW Mix 100%
Wattage	5.8 Watts/Ft / 19 Watts/M
Lumens	357 lm/Ft / 1170 lm/M (Mix 100% RGBW)
	34 lm/Ft / 110 lm/M (Red)
	128 lm/Ft / 420 lm/M (Green)
	28 lm/Ft / 90 lm/M (Blue)
	190 lm/Ft / 620lm/M (RGB White, 100%)
	137 lm/Ft /450 lm/M (White 2700K)
	168 lm/Ft / 550 lm/M (White 6000K)
Wave Length	650nm to 750nm (Red)
	490nm to 575nm (Green)
	420nm to 490nm (Blue)
Maximum Run	25 Ft / 7.6 M
Beam Angle	120 degree
Dimming	Yes
Material	White PCB, Tesa® Tape Backing
Cuttability	Every 4" (100mm)
IP Rating	IP43 or IP67 (other IP options Available Upon Request)
Dimensions	12mm (.47mm)W x 2mm (.08")H x Reel Length
Switching	Hardwire or Plug-in
Mounting	Attached Tesa® Tape or Extrusions* (Refer to Page 3)
Material	White PCB, Copper Strip, Tesa® Tape Backing
LED Type & Size	Premium Epistar 5060
LED Qty	18 LEDs/ft / 60 LEDs/M
Rated Life	50,000 Hours
Warranty	3 Years
Certifications	cULus 469399

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DIMENSIONS

.65" (16.6mm)

4" (100mm)

.47" (12mm)

.08" (2mm)

25ft (7.6M)
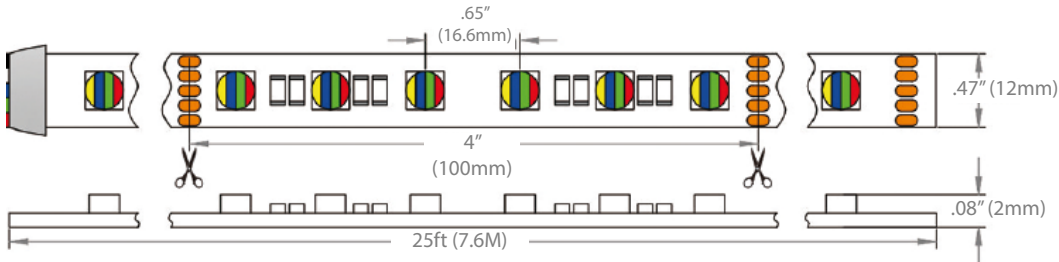
ORDER CODES

6070-FL-5.8W24V-RGBW-4in1-[   ]-[   ]

White Temp:	IP:
27K = 2700K	IP43
60K = 6000K	IP67

RELATED PRODUCTS

POWER SUPPLIES *More Power Supplies Available Upon Request

PLUG-IN

Item #5000-PSU-20W24V
20 Watt 24 Volt with FC Connector
Item #5000-PSU-60W24V
60 Watt 24 Volt with FC Connector
Item #5000-PSU-96W24V
96 Watt 24 Volt with FC Connector

HARDWIRE CV
NON Dimming Constant Voltage, Class 2 UL Listed

Item #5015-PSU-60W24V-JB-CL2
60W 24Vdc 120-277V PSU c/w JBox, Cl2, Non Dim IP20, UL Listed

Item #5015-PSU-96W24V-JB-CL2
96W 24Vdc 120-277V PSU c/w JBox, Cl2, Non Dim IP20, UL Listed

Item #5040-PSU-2X96W24V-JB-CL2
2x96W 24Vdc 120-277V PSU c/w JBox, Cl2, Non Dim IP20, UL Listed

Item #5040-PSU-3X96W24V-JB-CL2
3x96W 24Vdc 120-277V PSU c/w JBox, Cl2, Non Dim IP20, UL Listed

Item #5040-PSU-4X96W24V-JB-CL2
4x96W 24Vdc 120-277V PSU c/w JBox, Cl2, Non Dim IP20, UL Listed
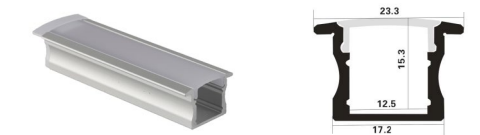
RELATED PRODUCTS

ALUMINUM PROFILE EXTRUSIONS (Please see individual channel spec sheets for accessory details)
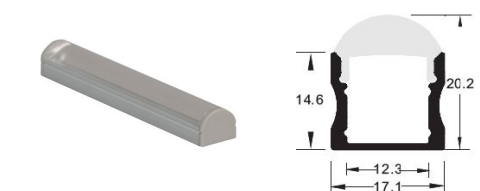*More Aluminum Profile Extrusions Available Upon Request
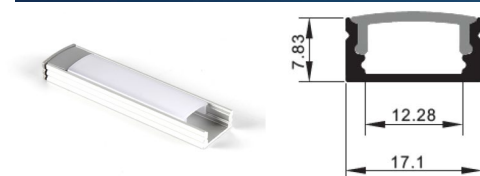
Item #6100-AP-SM-1708
Slim Aluminum LED Profile with Frosted Cover
.67" W x .31" H x 8ft L
17.1mm W x 7.83mm H x 2400mm L
C/W 2 End Caps and 2 Clips

Item #6100-AP-RC-2515
Low Profile- Recessed, Slim Height
.98" W X .6" H x 8ft L
25mm W x 15mm H x 2400mm L
C/W 2 End Caps and 2 Clips

Item #6100-AP-SM-1715-30DG
Item #6100-AP-SM-1715-60DG
Slim Aluminum LED Profile
with 30 or 60 Degree Clear Lens
.67" W x .6" H x 8ft L
17mm W x 15mm H x 2400mm L
C/W 2 End Caps and 2 Clips

Item #6100-AP-SM-1715
Aluminum Led Tapered Profile With Cover
.67" W x .60" H x 8ft
17.1mm W x 15mm H x 2400mm L
C/W 2 End Caps and 2 Clips

Item #6100-AP-SM-2119ABC
Aluminum Led Profile With Frosted Cover
A- Round Frosted Lens Profile
.77" W x .79" H x 8ft
19.5mm W x 19.95mm H x 2400mm L

B- Square Frosted Lens Profile
.77" W x .83" H x 8ft
19.5mm W x 21.05mm H x 2400mm L

C-Rectangle Frosted Lens Profile
.77" W x 1.42" H x 8ft
19.5mm W x 36.07mm H x 2400mm L
C/W 2 End Caps and 2 Clips

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RELATED PRODUCTS

LOVO™FC 5C RGBW "FAST CONNECT" CABLE SYSTEM (Please see individual spec sheets for accessory details)

Solder Tip - Male
Item #8170-FC-M-5C-1ft
1-24V   Max 8 Amps
1ft (12" / 300mm) Long
IP67
Male to Raw Wire Barrel
Connector

Solder Tip - Female
Item #8170-FC-F-5C-1ft
1-24V   Max 8 Amps
1ft (12" / 300mm) Long
IP67
Female to Raw Wire Barrel
Connector

LOVO™FC 5C RGBW "FAST CONNECT" SPLITTERS

MALE TO 2X FEMALE RGBW Y-SPLITTER CABLE
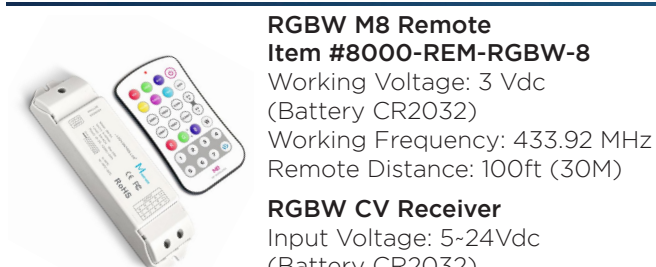**Item #8170-FC-2Y-5C**
24 Max   8 Amps   IP67
18" (500mm) Long
RGBW 2-Way Y Splitter

LED RGBW CONTROLLERS *More Lighting Controllers Available Upon Request

RGBW M8 Remote
Item #8000-REM-RGBW-8
Working Voltage: 3 Vdc
(Battery CR2032)
Working Frequency: 433.92 MHz
Remote Distance: 100ft (30M)

RGBW CV Receiver
Input Voltage: 5~24Vdc
(Battery CR2032)
Current Load: 5Ax4CH Max 20A
Max Output Power: (0~25W 120W) x 4CH
Protection: Short Circuit / Over-load
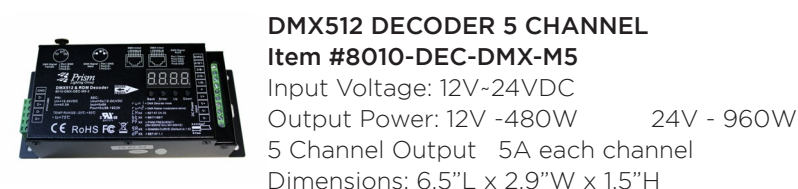
RGBW Dial Controller
Item #8000-CTRL-RGBW-DIAL
Input Voltage: 12-24Vdc
Output Current: 6Ax3CH Output
Power:220W(12V)/440W(24V)
Remote Range: 30m (100ft)

DMX512 DECODER 5 CHANNEL
Item #8010-DEC-DMX-M5
Input Voltage: 12V~24VDC
Output Power: 12V -480W   24V - 960W
5 Channel Output   5A each channel
Dimensions: 6.5"L x 2.9"W x 1.5"H

*Other Control Options Available Upon Request
*Wifi, Bluetooth, Smart, & DMX Control compatible with most PWM type controllers.

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INSTALLATION

- For outdoor use, make sure all connectors are sealed with silicone and shrink tube and drivers are housed in weatherproof enclosures.
- M Series Dimmer (PWM) must have 24V DC input (not line voltage)
- Dimming drivers are compatible with most triac, ELV and MLV dimmers with 10-100% light control
- Multiple extrusions are available for use in surface mount and recessed applications
- Simple Guide to sizing power supply with 5.8W/Ft LovoFlex Tape Lighting (based on 80% lighting wattage load on power)

Power Supply	Max. Number of Feet per Power Supply
20 Watt 24V DC Power Supply	3 Feet
30 Watt 24V DC Power Supply	4.5 Feet
60 Watt 24V DC Power Supply	8.5 Feet
96 Watt 24V DC Power Supply	13.5 Feet

*For Multi 96W Output Class 2 Power Supplies each output can run maximum 13.5 Feet.
*If beyond 25ft of LED Tape lighting, split into 2 circuits on 1 driver or divide the load based on max continuous run.
*Recommended Max 80%
*Larger power supplies available upon request.

INFORMATIONAL VIDEOS

For more information, watch the LOVO™ Flexible Strip Series videos from our YouTube Channel,
https://www.youtube.com/user/PrismLighting

https://youtu.be/kseubaC4rog

https://youtu.be/gcFl-rX73hA

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