

# 2.25W/FT LOVO™FLEX LED RGB FLEXIBLE TAPE LIGHTING



Client:

Project:

Type:

Order Code:

Quantity:

Lovo™Flex offers exciting LED Lighting Options for your design, from accent lighting to compelling action lighting to make your image stand out from the crowd! It provides an affordable, low energy consumption solution where stability and longevity are paramount. Manufactured with top-tier authentic premium Epistar LED chips, the SMD LED Flexible Strips are built to last. In addition to low energy consumption, these strips operate at a low temperature which means they can be used just about anywhere. They are designed for interior and exterior use and are able to bend and twist in just about any direction imaginable.

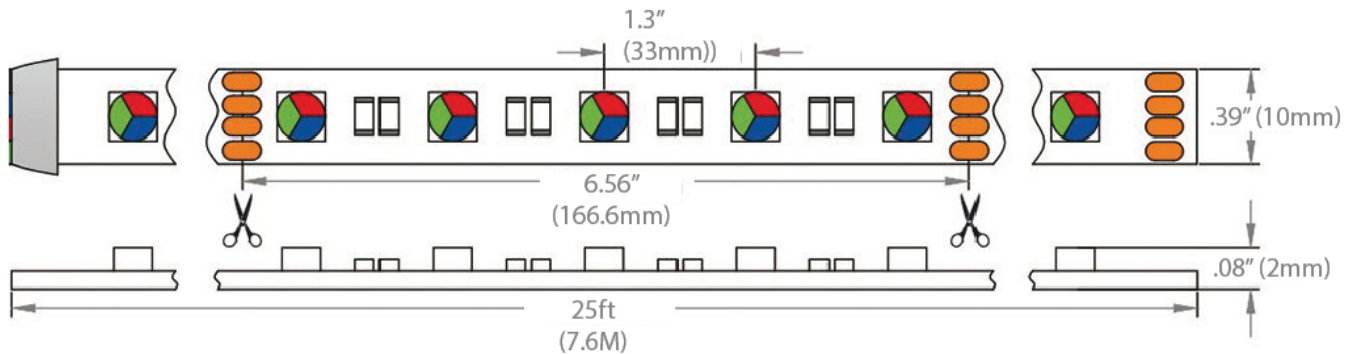
## SPECIFICATIONS

Product Number	6010-FL-2.25W24V-RGB
Voltage	24VDC
Length	20Ft (6M) or 100Ft (30M)
Color Temperature	RGB Mix 100%
Wattage	2.25 Watts/Ft / 7.2 Watts/M
Wave Length / Lumens	Mix 100% RGB
	650nm-750nm / 21 lm/Ft / 70 lm/M (Red)
	490nm-575nm / 67 lm/Ft / 220 lm/M (Green)
	420nm-490nm / 12 lm/Ft / 40lm/M (Blue)
Maximum Run	25 Ft / 7.6 M
Beam Angle	120 degree
Dimming	Low Voltage PWM Dimming or DMX
Material	White PCB, Tesa® Tape Backing
Cuttability	Every 6.5" (166.6mm)
IP Rating	IP43 or IP67 (other IP options Available Upon Request)
Dimensions	10mm (.39")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	Epistar 5060
LED Qty	9 LEDs/ft / 30 LEDs/M
Rated Life	50,000 Hours
Warranty	5 Years
Certifications	cULus 469399

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## DIMENSIONS



## ORDER CODES

6010-FL-2.25W24V-RGB-

IP:  
IP43  
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

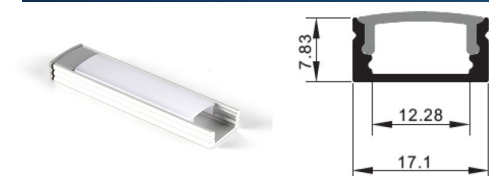
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## RELATED PRODUCTS

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



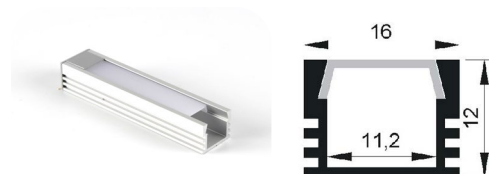
### Item #6100-AP-RC-2515

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



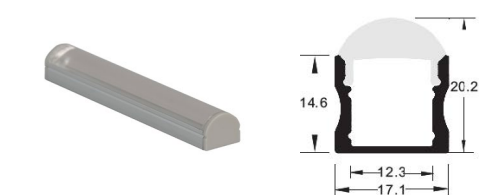
### Item #6100-AP-SM-1919

Slim Aluminum Recessed LED Profile with Frosted Cover  
.75" W x .75" H x 8ft  
19mm W x 19mm H x 2400mm L  
C/W 2 End Caps and 2 Clips



### Item #6100-AP-SM-1612

Slim Aluminum Recessed LED Profile with Frosted Cover  
.63" W x .47" H x 8ft  
16mm W x 12mm 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™SNAP CONNECTORS (Please see individual spec sheets for accessory details)

 <p><b>Solder Tip to SNAP Connector</b> <b>Item #8240-SNP-LVT-4C-10mm</b> 4 Pin 10mm RGB Available in IP43 or IP67 12" (300mm) Long</p>	 <p><b>FC to SNAP Connector</b> <b>Item #8240-SNP-FC-M-4C-10mm</b> Male End 4 Pin 10mm RGB Available in IP43 or IP67 12" (300mm) Long</p>	 <p><b>FC to SNAP Connector</b> <b>Item #8240-SNP-FC-F-4C-10mm</b> Female 4 Pin 10mm RGB Available in IP43 or IP67 12" (300mm) Long</p>
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LOVO™SECURE LOCK SOLDERLESS CONNECTORS(Please see individual spec sheets for accessory details)

 <p><b>4 Point 10mm Strip to Wire</b> <b>Item #8300-SCSW-10mm-LVT-4C</b> 4 Pin 10mm IP43 RGB Strip to Power with Wire Voltage Range 1-24V 6 Amps Maximum 6" (152.4mm) Long</p>	 <p><b>4 Point 10mm Strip To Strip</b> <b>Item #8300-SCSS-10mm-4PT</b> 4 Pin 10mm IP43 RGB Voltage Range 1-24V 6 Amps Maximum</p>
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LOVO™FC "FAST CONNECT" CABLE SYSTEM (Please see individual spec sheets for accessory details)

 <p><b>Solder Tip - Male</b> <b>Item #8150-FC-M-4C-4in</b> <b>#8150-FC-M-4C-1ft</b> 24V Max 6 Amps 4" or 12" Male to Raw Wire Barrel Connector</p>	 <p><b>Solder Tip - Female</b> <b>Item #8150-FC-F-4C-4in</b> <b>#8150-FC-F-4C-1ft</b> 24V Max 6 Amps 4" or 12" Female to Raw Wire Barrel Connector</p>	 <p><b>Extensions</b> <b>Item #8150-FC-EXT-4C</b> Available in 3ft or 10ft Male to Female Extension Barrel Connector Cables 24 Max 6 Amps</p>
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LOVO™FC "FAST CONNECT" SPLITTERS

 <p><b>6-Way Splitter</b> <b>Item #8150-FC6Y-4C</b> 24 Max 10 Amps 6 Way Adapter</p>
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LED RGB CONTROLLERS \*More Lighting Controllers Available Upon Request

 <p><b>RGB Remote</b> <b>Item #8000-REM-RGB</b> Working Voltage: 3 Vdc (Battery CR2032) Working Frequency: 433.92 MHz Remote Distance: 100ft (30M)</p> <p><b>RGB CV Receiver</b> Input Voltage: 5-24Vdc (Battery CR2032) Current Load: 6Ax3CH Max 18A Max Output Power: (0-30W... 144W) x 3CH Protection: Short Circuit / Over-load</p>	 <p><b>RGB/RGBW Dial Controller</b> <b>Item #8000-CTRL-RGB-DIAL</b> Input Voltage: 12-24Vdc Output Current: 6Ax3CH Output Power:220W(12V)/440W(24V) Remote Range: 30m (100ft)</p>
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\*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)
- PLG 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 2.25W/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	7 Feet
30 Watt 24V DC Power Supply	10 Feet
60 Watt 24V DC Power Supply	21 Feet
96 Watt 24V DC Power Supply	35 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:



<https://youtu.be/kseubaC4rog>



<https://youtu.be/gcFI-rX73hA>



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