

# 2.25W/FT LOVO™FLEX LED 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 2835 LED Flexible Tape Lighting is 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.

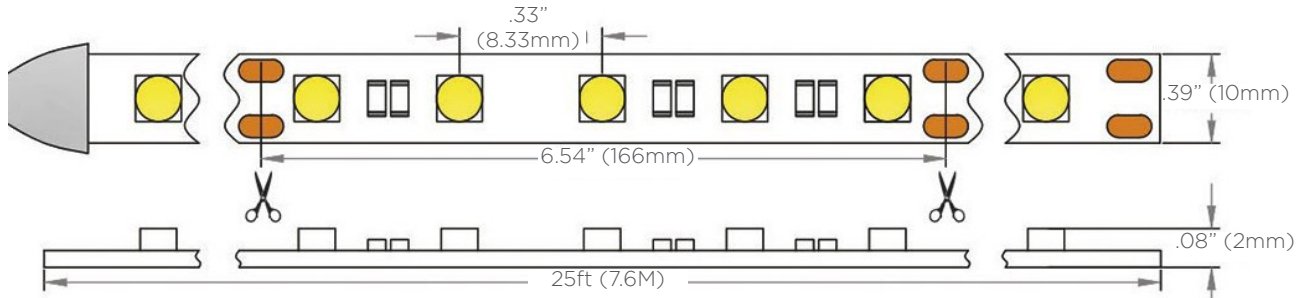
## SPECIFICATIONS

Product Number	<b>6010-FL-2.25W24V-xxK</b>
Voltage	24VDC
Length	20Ft (6M) or 100Ft (30M)
Color Temperature	2700K, 3000K, 3500K, 4000K, or 6000K
CRI	>90
Wattage	2.25 Watts/Ft / 7.2 Watts/M
Lumens	2700K - 146lm/Ft / 480lm/M (Warmer White) 3000K - 152lm/Ft / 500lm/M (Warm White) 3500K - 160lm/Ft / 525lm/M (Warm White) 4000K - 180lm/Ft / 590lm/M (Natural White) 6000K - 183lm/Ft / 600lm/M (Pure White)
Maximum Run	25 Ft / 7.6 M
Beam Angle	120 degree
Dimming	Yes
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
LED Type & Size	Premium Epistar SMD 2835
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-

COLOR: 27K = 2700K 35K = 3500K 4K = 4000K 6K = 6000K	IP: IP43 IP67
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## 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 0-10V Dimming Class 2 UL Listed

**Item #5150-PSU-7512V**

75 Watt 12Vdc

**Item #5150-PSU-10024V**

100 Watt 24Vdc



### 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



### HARDWIRE TRIAC Dimming Constant Voltage, Class 2 UL Listed

**Item #5030-PSU-30W24V-TRI-DIM-JB-CL2**

30W 24Vdc 120-277V PSU c/w JBox, Cl2, Triac Dim IP20, UL Listed

**Item #5030-PSU-60W24V-TRI-DIM-JB-CL2**

60W 24Vdc 120-277V PSU c/w JBox, Cl2, Triac Dim IP20, UL Listed

**Item #5030-PSU-96W24V-TRI-DIM-JB-CL2**

96W 24Vdc 120-277V PSU c/w JBox, Cl2, Triac Dim IP20, UL Listed

**Item #5030-PSU-2x96W24V-TRI-DIM-CL2**

2x96W 24Vdc 120-277V PSU c/w JBox, Cl2, Triac Dim IP20, UL Listed

**Item #5030-PSU-3x96W24V-TRI-DIM-CL2**

3x96W 24Vdc 120-277V PSU c/w JBox, Cl2, Triac Dim IP20, UL Listed

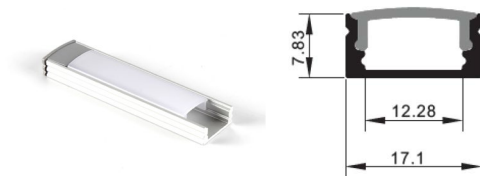
# 2.25W/FT LOVO™ FLEX LED FLEXIBLE TAPE LIGHTING



## RELATED PRODUCTS

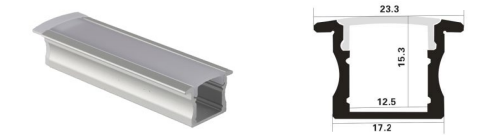
ALUMINUM PROFILE EXTRUSIONS (Please see individual channel spec sheets for accessory details)

\*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



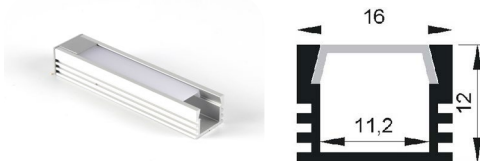
### Item #6100-AP-RC-2515

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



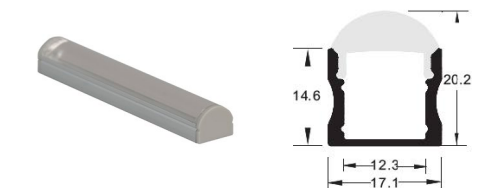
### Item #6100-AP-SM-1919

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 SOLDERLESS CONNECTORS (Please see individual spec sheets for accessory details)




\*More Connectors Available Upon Request

 <p><b>Solder Tip to SNAP Connector</b> <b>Item #8230-SNP-LVT-2C-10mm</b> 2 Pin 10mm Single Color Available in IP43 or IP67 12" (300mm) Long</p>	 <p><b>FC to SNAP Connector</b> <b>Item #8230-SNP-FC-M-2C-10mm</b> Male End 2 Pin 10mm Single Color Available in IP43 or IP67 12" (300mm) Long</p>	 <p><b>FC to SNAP Connector</b> <b>Item #8230-SNP-FC-F-2C-10mm</b> Female 2 Pin 10mm Single Color 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>2 Point 10mm Strip to Wire</b> <b>Item #8300-SCSW-10mm-LVT-2C</b> 2 Pin 10mm IP43 Single Color Strip to Power with Wire Voltage Range 1-24V 6 Amps Maximum 6" (152.4mm) Long</p>	 <p><b>2 Point 10mm Strip To Strip</b> <b>Item #8300-SCSS-10mm-2PT</b> 2 Pin 10mm IP43 Voltage Range 1-24V 6 Amps Maximum Single Color</p>
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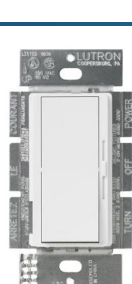
LOVO™FC "FAST CONNECT" CABLE SYSTEM (Please see individual spec sheets for accessory details)

 <p><b>Solder Tip - Male</b> <b>Item #8100-FC-M-2C-4in</b> <b>8100-FC-M-2C-1ft</b> 24V Max 6 Amps 4" or 12" Male to Raw Wire Barrel Connector</p>	 <p><b>Solder Tip - Female</b> <b>Item #8100-FC-F-2C-4in</b> <b>8100-FC-F-2C-1ft</b> 24V Max 6 Amps 4" or 12" Female to Raw Wire Barrel Connector</p>	 <p><b>Extensions</b> <b>Item #8110-FC-EXT-2C</b> Available in 1.5ft, 3Ft, 5ft, 6Ft, 10ft, or 16ft Male to Female Extension Barrel Connector Cables 24 Max 6 Amps</p>
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LOVO™FC "FAST CONNECT" SPLITTERS

 <p><b>2-Way Splitter</b> <b>Item #8120-FC-2Y-2C-1.5ft</b> 24 Max 6 Amps 2 Way Adapter</p>	 <p><b>6-Way Splitter</b> <b>Item #8120-FC-6Y-2C-1.5ft</b> 24 Max 6 Amps 6 Way Adapter</p>	 <p><b>2-Way Block</b> <b>Item #8120-FC-2Y-BLC</b> 24 Max 6 Amps 2 Way Adapter</p>
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LED DIMMING CONTROLLERS \*More Lighting Controllers Available Upon Request

 <p><b>PLG-M1 Dimming Remote</b> <b>Item #8000-CTRL-D</b> Working Voltage: 3 Vdc (Battery CR2032) Working Frequency: 433.92 MHz Remote Distance: 100ft Working Temp: -30C~55 C Weight (N.W.): 42g</p>	 <p><b>Prism TRIAC Dimmer</b> 120V Rated 150 Watt LED/CFL 600 Watt Incan/Halogen Available in most finish colors More Compatible Dimmer List Available upon Request</p>
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# 2.25W/FT LOVO™FLEX LED FLEXIBLE TAPE LIGHTING



## 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 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

\*For Multi 96W Output Class 2 Power Supplies each output can run maximum 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/gcFl-rX73hA>



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