

1.5W/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.

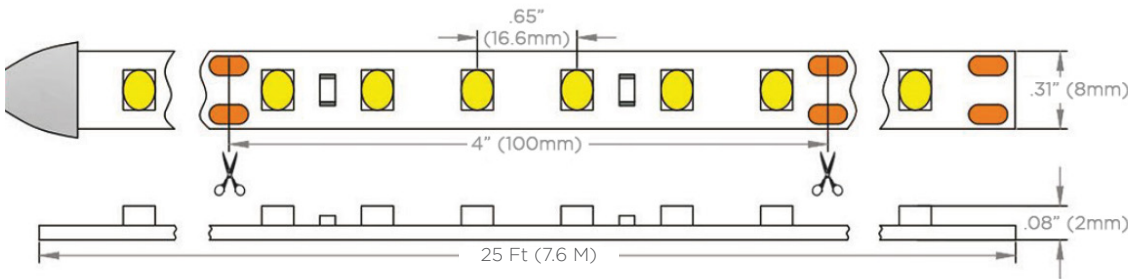
SPECIFICATIONS

Product Number	6000-FL-1.5W24V-XXK
Voltage	24VDC
Length	20Ft (6M) or 100Ft (30M)
Color Temperature	2700K, 3000K, 3500K, 4000K, 6000K (± 2%)
CRI	>90
Wattage	1.5 Watts/Ft / 4.8 Watts/M
Lumens	2700k - 134lm/Ft / 440lm/M (Ultra Warm White) 3000K - 135lm/Ft / 445lm/M (Warm White) 3500K - 145lm/Ft / 475lm/M (Warm White) 4000K - 170lm/Ft / 550lm/M (Natural White) 6000K - 178lm/Ft / 580lm/M (Pure White)
Maximum Continuous 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	8mm (.31")W x 2.38mm (.09")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 2835SMD
LED Qty	18 LEDs/ft / 60 LEDs/M
Rated Life	50,000 Hours
Warranty	5 Years
Certifications	cULus 469399

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DIMENSIONS



24V

ORDER CODES

6000-FL-1.5W24V- -

COLOR:
27K = 2700K
35K = 3500K
4K = 4000K
6K = 6000K

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 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, CI2, Non Dim IP20, UL Listed

Item #5015-PSU-96W24V-JB-CL2

96W 24Vdc 120-277V PSU c/w JBox, CI2, Non Dim IP20, UL Listed

Item #5040-PSU-2X96W24V-JB-CL2

2x96W 24Vdc 120-277V PSU c/w JBox, CI2, Non Dim IP20, UL Listed

Item #5040-PSU-3X96W24V-JB-CL2

3x96W 24Vdc 120-277V PSU c/w JBox, CI2, Non Dim IP20, UL Listed

Item #5040-PSU-4X96W24V-JB-CL2

4x96W 24Vdc 120-277V PSU c/w JBox, CI2, 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, CI2, Triac Dim IP20, UL Listed

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

60W 24Vdc 120-277V PSU c/w JBox, CI2, Triac Dim IP20, UL Listed

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

96W 24Vdc 120-277V PSU c/w JBox, CI2, Triac Dim IP20, UL Listed

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

2x96W 24Vdc 120-277V PSU c/w JBox, CI2, Triac Dim IP20, UL Listed

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

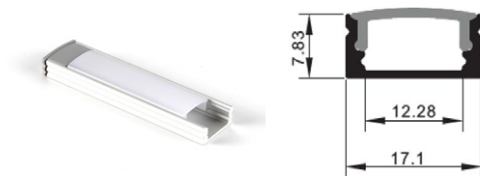
3x96W 24Vdc 120-277V PSU c/w JBox, CI2, Triac Dim IP20, UL Listed

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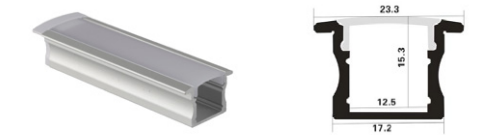
RELATED PRODUCTS

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



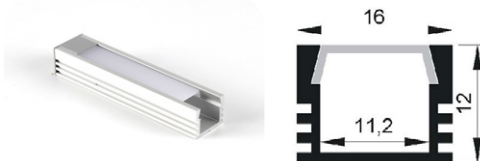
Item #6100-AP-RC-2515

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



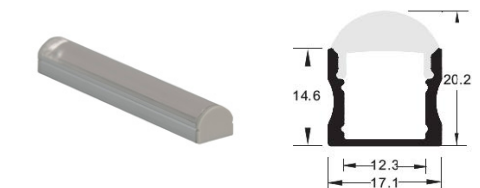
Item #6100-AP-SM-1919

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

1.5W/FT LOVO™FLEX LED FLEXIBLE TAPE LIGHTING





RELATED PRODUCTS

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




*More Connectors Available Upon Request

 <p>Solder Tip to SNAP Connector Item #8220-SNP-LVT-2C-8mm 2 Pin 8mm Single Color Available in IP43 or IP67 12" (300mm) Long</p>	 <p>FC to SNAP Connector Item #8220-SNP-FC-M-2C-8mm Male End 2 Pin 8mm Single Color Available in IP43 or IP67 12" (300mm) Long</p>	 <p>FC to SNAP Connector Item #8220-SNP-FC-F-2C-8mm Female 2 Pin 8mm 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>2 Point 8mm Strip to Wire Item #8300-SCSW-8mm-LVT-2C 2 Pin 8mm IP43 Single Color Strip to Power with Wire Voltage Range 1-24V 6 Amps Maximum 6" (152.4mm) Long</p>	 <p>2 Point 8mm Strip To Strip Item #8300-SCSS-8mm-2PT 2 Pin 8mm IP43 Voltage Range 1-24V 6 Amps Maximum Single Color</p>
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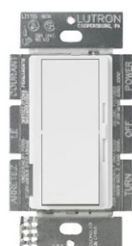
LOVO™FC "FAST CONNECT" CABLE SYSTEM (Please see individual spec sheets for accessory details)

 <p>Solder Tip - Male Item #8100-FC-M-2C-4in 8100-FC-M-2C-1ft 24V Max 6 Amps 4" or 12" Male to Raw Wire Barrel Connector</p>	 <p>Solder Tip - Female Item #8100-FC-F-2C-4in 8100-FC-F-2C-1ft 24V Max 6 Amps 4" or 12" Female to Raw Wire Barrel Connector</p>	 <p>Extensions Item #8110-FC-EXT-2C 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>2-Way Splitter Item #8120-FC-2Y-2C-1.5ft 24 Max 6 Amps 2 Way Adapter</p>	 <p>6-Way Splitter Item #8120-FC-6Y-2C-1.5ft 24 Max 6 Amps 6 Way Adapter</p>	 <p>2-Way Block Item #8120-FC-2Y-BLC 24 Max 6 Amps 2 Way Adapter</p>
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LED DIMMING CONTROLLERS *More Lighting Controllers Available Upon Request

 <p>PLG-M1 Dimming Remote Item #8000-CTRL-D 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>Prism TRIAC Dimmer 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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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 1.5W/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	10.5 Feet
30 Watt 24V DC Power Supply	16 Feet
60 Watt 24V DC Power Supply	32 Feet
96 Watt 24V DC Power Supply	51 Feet

*For Multi 96W Output Class 2 Power Supplies each output can run maximum 51 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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