

1.5W/FT LOVOFLEX LED FLEXIBLE TAPE LIGHTING



Client:

Project:

Type:

Order Code:

Quantity:

LovoFlex 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.

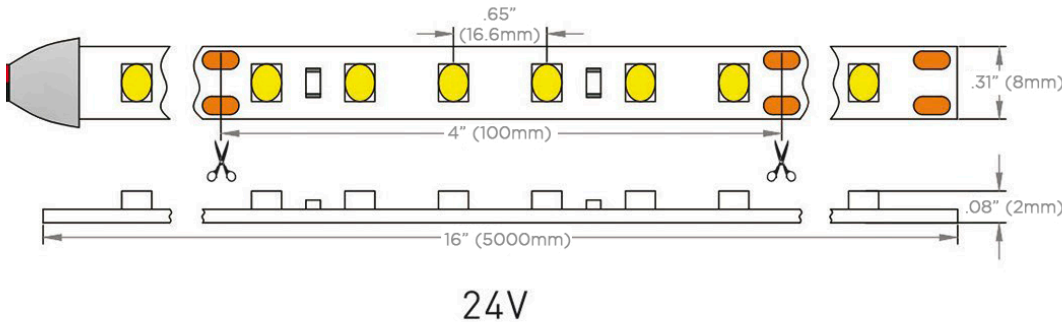
SPECIFICATIONS

Product Number	6000-FL2835-1.5W24V-XX
Voltage	24VDC
Length	20Ft (6M) Reel, 32.8Ft (10M), 82Ft (25M) & 100Ft (30M) or Custom Cuts
Color Temperature	2700K, 3500K, 4000K, 6000K (+- 5%), Red, Green or Blue
CRI	>90
Wattage	1.5 Watts/Ft / 4.8 Watts/M
Lumens	2700k - 134lm/Ft / 440lm/M (Ultra Warm White) 3500K - 145lm/Ft / 475lm/M (Warm White) 4000K - 170lm/Ft / 550lm/M (Natural White) 6000K - 178lm/Ft / 580lm/M (Pure White)
Wave Length	650nm to 750nm (Red) 490nm to 575nm (Green) 420nm to 490nm (Blue)
Maximum Continuous Run	25 Ft / 7.6 M
Beam Angle	120 degree
Dimming	0-10vDC Dimming / Triac / Low Voltage PWM Dimming
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	Epistar 2835
LED Qty	18 LEDs/ft / 60 LEDs/M
Rated Life	50,000 Hours
Warranty	5 Years
Certifications	cULus 469399

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DIMENSIONS



ORDER CODES

6000-FL2835-1.5W24V-

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

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 TRIAC Dimming Class 2 UL Listed**
- Item #5180-E40L24**
40 Watt E40L24DC-KO
 - Item #5181-E60L24**
60 Watt E60L24DC-KO
 - Item #5182-E75L24**
75 Watt E75L24DC-KO
 - Item #5183-E96L24**
96 Watt E96L24DC-KO



- HARDWIRE CV (Non-Dimming) UL Recognized**
- Item #5160-PSU-80W24V**
80 Watt ELG-80H-24V
 - Item #5160-PSU-100W24V**
100 Watt ELG-100H-24V
 - Item #5160-PSU-150W24V**
150 Watt ELG-150H-24V
 - Item #5160-PSU-200W24V**
200 Watt ELG-200H-24V
 - Item #5160-PSU-240W24V**
240 Watt ELG-240H-24V



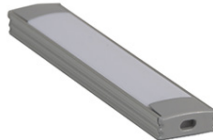
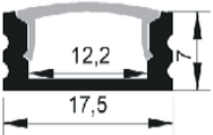
- HARDWIRE 0-10V Dimming Class 2 UL Listed**
- Item #5150-PSU-7512V**
75 Watt 12Vdc
 - Item #5150-PSU-10024V**
100 Watt 24Vdc

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RELATED PRODUCTS


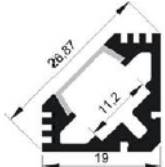
ALUMINUM PROFILE EXTRUSIONS (Please see individual channel spec sheets for accessory details)
 *More Aluminium Profile Extrusions Available Upon Request

Item #6100-AP-LOW-1707
 Slim Aluminium LED Profile with Frosted Cover
 .70" W x .30" H x 8ft L
 17.5mm W x 7mm H x 2400mm L
 C/W 2 End Caps and 2 Clips



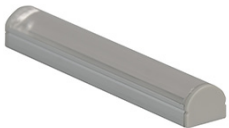
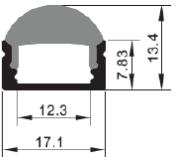

Item #6100-AP-DOUBLE-2810
 Slim Aluminium Recessed LED Profile with Frosted Cover
 .82" W x .40" H x 8ft L
 20.6mm W x 10mm H x 2400mm L
 C/W 2 End Caps and 2 Clips

Item #6100-AP-ANGLE-1919
 90 Degree Aluminium LED Profile with Frosted Cover
 .75" x .75" x 8ft L
 19mm W x 19mm H x 2400mm L
 C/W 2 End Caps and 2 Clips




Item #6100-AP-SQUARE-1612
 Slim Aluminium Recessed LED Profile with Frosted Cover
 .65" W x .5" H x 8ft L
 16mm W x 12mm H x 2400mm L
 C/W 2 End Caps and 2 Clips

Item #6100-AP-DOME-1715-30dg
Item #6100-AP-DOME-1715-60dg
 Slim Aluminium LED Profile with 30 or 60 Degree Clear Lens
 .70" W x .55" H x 8ft L
 17mm W x 13.4mm H x 2400mm L
 C/W 2 End Caps and 2 Clips





Item #6100-AP-TAPERED-1715
 Slim Aluminium Recessed LED Profile with Frosted Cover
 .70" W x .60" H x 8ft L
 17mm W x 15mm H x 2400mm L
 C/W 2 End Caps and 2 Clips


LOVOFLEX SNAP CONNECTORS (Please see individual spec sheets for accessory details)
 *More Connectors Available Upon Request



Solder Tip to SNAP Connector
Item #8220-SNP-LVT-2C-8mm
 2 Pin 8mm
 Single Colour
 Available in IP43 or IP67



FC to SNAP Connector
Item #8220-SNP-FC-M-2C-8mm
 Male End
 2 Pin 8mm
 Single Colour
 Available in IP43 or IP67



FC to SNAP Connector
Item #8220-SNP-FC-F-2C-8mm
 Female
 2 Pin 8mm
 Single Colour
 Available in IP43 or IP67

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RELATED PRODUCTS

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



Solder Tip - Male
Item #8100-FC-M-2C
 24V Max 6 Amps
 12" Male to Raw Wire Barrel Connector



Solder Tip - Female
Item #8100-FC-F-2C
 24V Max 6 Amps
 12" Female to Raw Wire Barrel Connector



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

LOVO FC "FAST CONNECT" SPLITTERS



2-Way Splitter
Item #8120-FC-2Y-2C-1.5ft
 24 Max 6 Amps
 2 Way Adapter



6-Way Splitter
Item #8120-FC-6Y-2C-1.5ft
 24 Max 6 Amps
 6 Way Adapter

LED DIMMING CONTROLLERS *More Lighting Controllers Available Upon Request



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



DVCL-153P Decor Dimmer Switch
Item#DVCL-153PR-WH
 120V Rated
 150 Watt LED/CFL
 600 Watt Incan/Halogen
 Available in most finish colours
 Compatible with our listed Dim Driver

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 1.5W/Ft LovoFlex Tape Lighting (based on 80% lighting wattage load on power)

Power Supply

Max. Number of Feet per Power Supply

PLG 20 Watt 24V DC Power Supply	10.5 Feet
PLG 60 Watt 24V DC Power Supply	32 Feet
PLG 90 Watt 24V DC Power Supply	48 Feet
PLG 100 Watt 24V DC Power Supply	53 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.