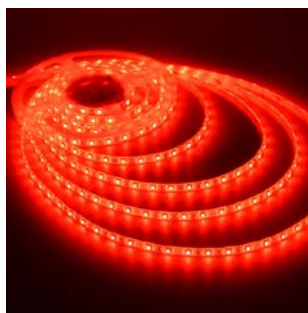
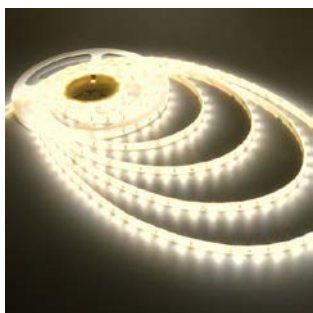
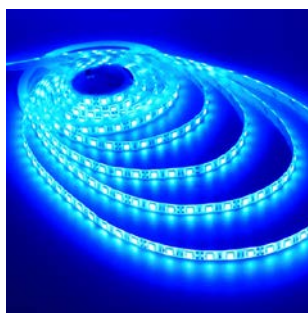




F-Series High Output Flexible Strip Tape Installation and Operation Manual



Overview

The F-Series High Output LED Strip Tape is a clear silicone encapsulated product with improved thermal coefficient and an IP66 waterproof rating. Its anti-UV properties resist yellowing or hardening over time and make it ideal for both interior and exterior environments. Conveniently supplied with self-adhesive high-bond 3M tape, or aluminum channel clips (ILLT-CLIP/F) can be purchased for unique situations where added mechanical attachment is desired. Each section also comes with wire leads so your LED Strip Tape is ready to connect to your DC power source (the full 16' reel has wire leads at both ends). If required, this LED Strip Tape may be cut to suit every 4" (12V version) or every 6.5" (24V version), being careful to seal the cut end with the ILLT-End/F End Cap which are available through Imtra.

Specifications

F-Series High Output Flexible Strip Tape

Input Voltage	12VDC or 24VDC
Power Consumption	2.2 watts per foot (7.2 watts/meter)
Luminous Flux	200 lms/ft (655 lms/meter)
Viewing Angle	120°
Bulb Spacing	10 LEDs/ft (30 LEDs/meter)
Cutability	4" (102mm)/12VDC & 6.5" (165mm)/24VDC
Tape Dimensions (WxH)	0.50" (12.75mm) w x 0.25" (6.5mm) h
Maximum Run	16' (5 meters)
Ingress Protection	IP66*

*IP66: Protected against powerful water jets from any direction.

Safety Information & Recommendations

1. The strip itself and all its components should not be mechanically stressed.
2. Assembly must not damage or destroy conducting paths on the circuit board.
3. Parallel electrical connection is highly recommended as safe electrical operation mode.
4. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the pcb.
5. If using a power supply or LED converter, be sure to size for the appropriate load.
6. Pay attention to standard ESD (Electrostatic Discharge) precautions when installing.

Applications

Cove Lighting • Courtesy Lighting • Under Gunnels • Under Cabinets
Stairs • Closets/Lockers • Architectural & Landscape

Wiring Instructions & Installation

The Strip Tape section is pre-wired with POS & NEG wire leads. The grey wire is soldered to the negative side and the white wire is soldered to the positive side. Double check by looking for the “+” and “-” printed on the circuit board where the wires are soldered to the pads. Not observing polarity can damage the product.

1. Before making any connections, turn power completely off.
2. Before installing or making permanent connections, first test the product to make sure it is operating correctly.
3. Ensure the area of installation is free of dirt, dust, oil or silicones. Avoid cleaners that leave behind residue or wax. A solvent such as Acetone can be used but read the label carefully as it can damage some surfaces.
4. Measure off area and determine if your section of Strip Tape will need to be shortened. Using sharp scissors, you may cut on the marked lines which are located every 4” (for 12V product) or every 6.5” (for 24V product) between solder pads. You must seal the cut end with an End Cap and silicone. End Caps are available as an accessory item from Imtra.
5. Peel off the 3M tape from the backside of the Strip Tape. Place the Strip Tape on the contour and gently press down allowing the Strip Tape to firmly attach to the surface.
6. Make connection using approved connectors (avoid the use of wire nuts). Use shrink tubing in wet/damp areas.
7. Turn power back on to test.



Power Sources

Our low voltage (12VDC or 24VDC) Flexible LED Strip Tape is designed for use with hard-wire DC hook-ups. If stepping down voltage from a 120/230V source, a standard low voltage AC transformer will damage the product. You must use a voltage-regulated DC power supply or LED power converter for this purpose. Imtra carries a full range of voltage regulated LED Converters and DC stabilizers/conditioners. See our website for more information. Our Led Strip Tape performs optimally with constant voltage at or near the specified voltage input. It is sensitive to over-voltage and transient spikes, therefore long term performance is directly dependent on the input voltage provided. For DC installation on boats, a power conditioner or voltage stabilizer is recommended for maximum life of the product. Imtra Corporation carries a range of Power Conditioners. See our website for more information on these products.

Limited Warranty

Imtra warrants this product for a period of 1 year from the date of purchase. If the tape light should cease to function or not perform as advertised, return the faulty sections for replacement. This warranty does not apply to damage resulting from actions of the user such as misuse, improper wiring/installation, operation outside of specification, improper maintenance or repair, unauthorized modification, lightning strike or damage from a power surge. Imtra specifically disclaims any implied warranties, merchantability or fitness for a specific purpose and will not be liable for any direct, indirect, incidental or consequential damages. Imtra's total liability is limited to repair or replacement of the product. The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied. If it should become necessary to return product for replacement beyond the warranty period, please refer to Imtra's standard Return Policy as detailed on Imtra's website, www.imtra.com, or call Imtra customer service at 508.995.7000. No returns are accepted without a Return Authorization (RA) number.



30 Samuel Barnet Boulevard, New Bedford, MA 02745

(508) 995-7000 • www.imtra.com