

Description

Flexible LED Strip Tape is a linear array of low power LEDs encased in a flexible, clear epoxy resin. The thin diameter and extremely low profile form factor allow it to be installed in areas too confined for traditional rope light products. Wide angle SMD LEDs placed every 2/3" result in homogenous and even light distribution without shadows or gaps. For mounting ease, each section is supplied with 3M double sided tape already installed on the product. Each section comes with wire leads so your LED Strip Tape is ready to connect to your DC power source. Flexible LED Strip Tape may be cut to suit every 2" (12V version) or every 4" (24V version).

Applications

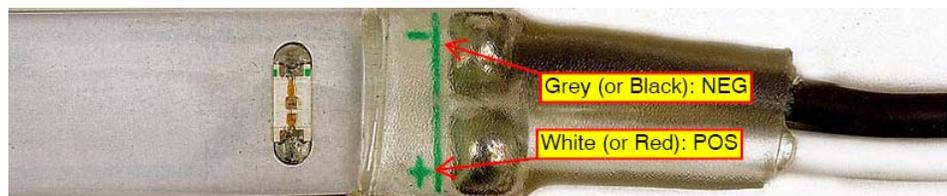
Cove Lighting • Courtesy Lighting • Glass Cabinets • Under Cabinets • Stairs • Closets/Lockers • Architectural

Product Specifications

	Warm White	Cool White	Blue	Warm White	Cool White	Blue
Input Voltage	12V			24V		
Input Power	1.25W per foot (4.1W per meter)					
Luminous Flux	30 lms/ft (98 lms/mt)	32 lms/ft (105 lms/mt)	7 lms/ft (23 lms/mt)	33 lms/ft (107 lms/mt)	35 lms/ft (116 lms/mt)	7.5 lms/ft (24 lms/mt)
Viewing Angle	120°					
Bulb Spacing	Every 0.63" or 19 LEDs/foot (Every 16.4mm or 62 LEDs/meter)					
Cutability	Every 2" (50mm)			every 4" (100mm)		
Maximum Run	16.4' (5 meters)			32.8' (10 meters)		
Ingress Protection	IP65					

Electrical Connection & Product 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. 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 2" (for 12V product) or every 4" (for 24V product) between solder pads.



5. Peel off the 3M tape from the backside of the Strip Tape.
6. Place the Strip Tape on the contour and gently press down allowing the Strip Tape to firmly attach to the surface.
7. Make connection using approved connectors (avoid the use of wire nuts). Use shrink tube in wet/damp areas.
8. Turn power back on to test.

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.

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 regulated DC power supply or a voltage-regulated LED converter for this purpose. Imtra carries a full range of voltage regulated LED Converters. 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.

Product Support

If you have any questions or need to return product for any reason, please contact Imtra directly by phone at (508) 995-7000 or by email at info@imtra.com.