

SAVE THESE INSTRUCTIONS!

READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure the electricity connections conform to the National Electrical Code and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.

The specialtyLED FTK tape is constructed of extremely small Light Emitting Diodes (LED) mounted on a thin flexible copper strip. Due to the construction of the product, special care should be taken during the installation process in order to avoid damaging the LEDs or any of the resistors.

INSTALLATION INSTRUCTIONS

SAFETY PRECAUTIONS:

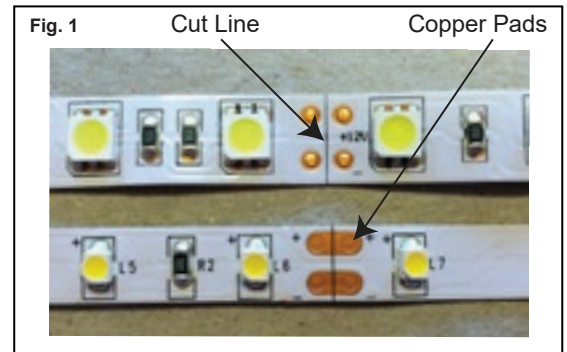
- Do not bend side to side, product is only bendable from front to back.
- Do not cover the product with insulation, paint, caulk or any substance not approved by the manufacturer.
- Do not apply power when tightly coiled.
- Maintain half inch spacing between parts.
- Do not puncture, cut, shorten or splice outside of the designated cutting marks.
- Do not route through walls, doors, windows or building structures.
- Do not mount inside cabinets, unless properly ventilated.
- Do not unroll the tape with the LEDs facing down on a rough surface or over sharp corners. This will scratch and damage the LEDs.
- When unrolling or installing do not twist, pull or kink the product.
- Do not secure with staples, nails or like means that may puncture or damage the tape.
- Do not install in locations where it is subjected to continuous flexing.
- Do not submerge in liquid or apply near standing water.
- Do not operate in temperatures exceeding 30°C (86°F).
- Do not operate on circuits that do not have proper surge suppression protection. High voltage spikes will damage the LEDs.
- Do not operate over specified voltage, LED life degradation will be greatly increased.

General Material/Tool Requirements:

Material needed for installation:

- FTK Flex reel (16.4')
- Accessories from kit
- Driver (sold separately)
- Additional wire as needed for connections
- Measuring tape
- Scissors

1. Measure the installation location to determine product length. Due to circuitry, FTK has 2" cutting increments (SMD3528) and 4" cutting increments (SMD5050).
2. Measure the FTK tape to match required installation length. Locate the closest cutting mark, this is designated by a line between 4 copper pads. (Fig. 1)
3. Using scissors, make an even cut through product exactly on the line. If cut outside the line the product can be damaged. **NOTE:** It is imperative to use a sharp cutting blade to make a straight cut. Sharp blades will help you avoid pulling the internal circuitry while making the cut. Stretching or pulling can damage the product.
4. Connect the driver to the wire leads of the FTK tape in accordance with current electrical codes and the current National Electric Code (NEC). Drivers are IP67 rated / Class 2 power supplies. Install the driver within 10' of the FTK tape.



Maximum Run Lengths Based on Driver Size

Part Number – 24V	FTK-*-24V-3528 (2.25W/Ft)	FTK-*-24V-5050 (5.56W/Ft)
XFMR-24-20	7.1'	2.87'
XFMR-24-35	12.44'	5.04'
XFMR-24-60	21.33'	8.63'
XFMR-24-150	50.00'	21.58'
XFMR-DIM-24-20	7.10'	2.87'
XFMR-DIM-24-40	14.22'	5.75'
XFMR-DIM-24-60	21.33'	8.63'
XFMR-DIM-24-96	34.13'	13.80'
XFMR-DIM-24-192	2 X 34.13'	2 X 13.80'
XFMR-DIM-24-288	3 X 31.13'	3 X 13.80'

5. Test product to verify connections are correct prior to securing.
6. Adhere product to surface. Do not push directly on LEDs as this will damage the LEDs.

(1) FLEXIBLE TAPE KIT CONTAINS:

EXAMPLE: FTK-3000-16-24V-5050

- 1 - FTK-3000-16-24V-5050 = 16.4', 24V Roll
- 3 - RFX-CSS-5050 = Strip to strip connectors
- 3 - RFX-CSP-5050 = Strip to power connectors
- 3 - RFX-CSP-5050-FLEX = Corner connectors

EXAMPLE: FTK-2700-16-24V-3528

- 1 - FTK-2700-16-24V-3528 = 16.4', 24V Roll
- 3 - RFX-CSS-3528 = Strip to strip connectors
- 3 - RFX-CSP-3528 = Strip to power connectors
- 3 - RFX-CSP-3528-FLEX = Corner connectors

KITS DO NOT CONTAIN A DRIVER OR MOUNTING ACCESSORIES

ACCESSORIES

(insert 3528 or 5050 for the **** for the correct version)

- RFX-CSS-**** is designed to join (2) cut sections together. (Fig. 2)
- RFX-CSS-FLEX-**** is designed to join (2) cut sections together with 2" wire spacing, allowing the FTK tape to bend or turn corners. (Fig.3)
- RFX-CSP-**** is designed to provide wire leads to a cut section of FTK tape to assist with connection to the driver. (Fig. 4)

NOTE:

- When connecting lengths together keep all negatives (-) connections on one side and all positives (+) connections on the other. Failure to do so will leave a non-working section. (Fig. 5)
- Peel the silicon sleeve back approximately 1/8" and slide the tape under the connector terminals, aligning the copper pads with the terminal prongs. Snap cover down to secure the FTK tape in place. (Fig. 6)

TROUBLE SHOOTING

Product will not light:

- Verify that there is power to the receptacle feeding the product.
- Check the GFCI and see if it is tripped.
- Check the driver and make sure it has power.
- Verify product polarity is correct.

Product does not light for the first 8"- 30":

- Product was cut incorrectly. It will be necessary to re-cut the product at the correct designated locations and reassemble.

Product has a dark section in the run:

- This indicates the product was pulled, twisted or kinked and the circuitry was damaged.
- It will be necessary to cut new product or cut out the damaged section and splice a new piece in its place.

Fig. 2

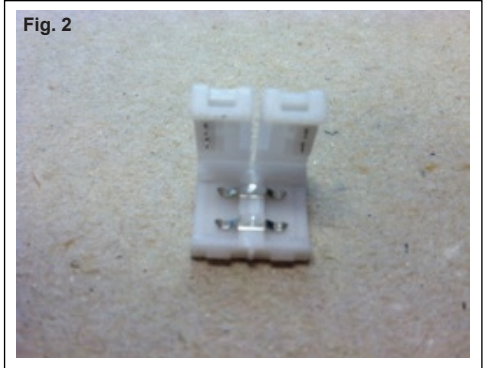


Fig. 3

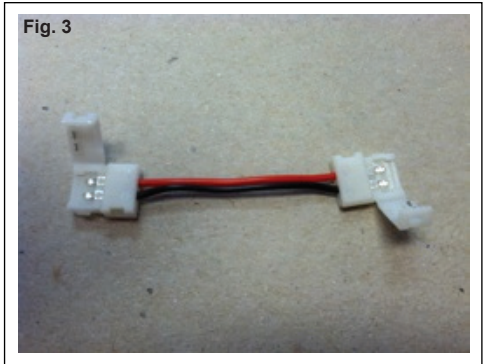


Fig. 4

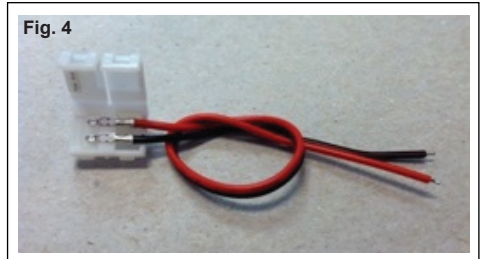


Fig. 5

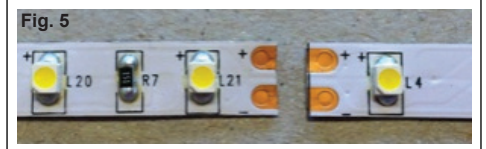


Fig. 6

