

# Hardwired Dimmable Power Supply

Hardwired Dimmable Power Supply to Tape Light Installation Instructions



T-DT24W-12V-HW



T-DT48W-12V-HW



T-DT60W-12V-HW



T-DT120W-12V-HW

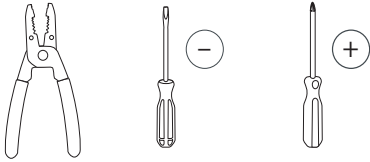
## Power Supplies – Dimmable –for single color tape light

Part Number	Description and Use	Dimensions
T-DT24W-12V-HW	24W 12V DC dimmable class 2 LED hardwired	13-3/4" x 3" x 1-5/8"
T-DT48W-12V-HW	48W 12V DC dimmable class 2 LED hardwired	13-3/4" x 3" x 1-5/8"
T-DT60W-12V-HW	60W 12V DC dimmable class 2 LED hardwired	13-3/4" x 3" x 1-5/8"
T-DT120W-12V-HW	120W 12V DC dimmable LED hardwired	15" x 3-1/8" x 2-1/2"

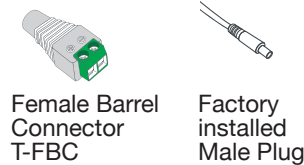
### NOTE

- **DO NOT** connect low-voltage LED tape light to high-voltage power.
- Install in accordance with NEC and local regulations.
- Make all 120V AC connections inside UL Listed junction box
- Compatible with 120V magnetic low voltage dimmer switch
- NOT Compatible with the following dimmers, switches, or sensors: T-Q-1Z-WC-RF, T-Q-2Z-WC-RF, T-Q-4Z-WC-RF, T-1Z-MR-RF, T-PSS-60W-IR, T-DSS-30W-IR, T-TDS-60W, and T-MSS-60W
- NOT Compatible with RGB Inferno Series Multi-Color LED Tape Light
- Install in an accessible, well-ventilated area such as sink base or on top of cabinet. For best operation, do not locate in an attic or other area of high ambient temperature.

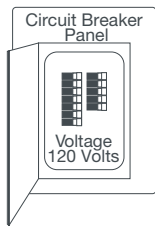
### Tools Needed



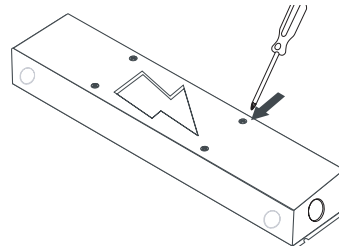
### Product Legend



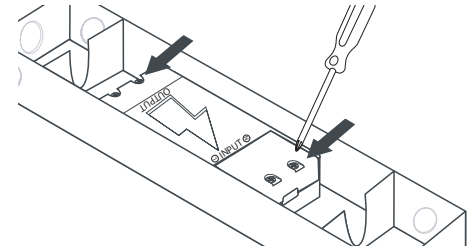
## Wiring 120V AC side of Hardwired Dimmable Power Supply



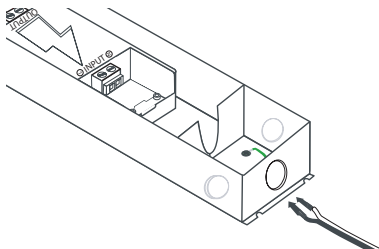
**1.** Turn off 120V AC power at Circuit Breaker Panel.



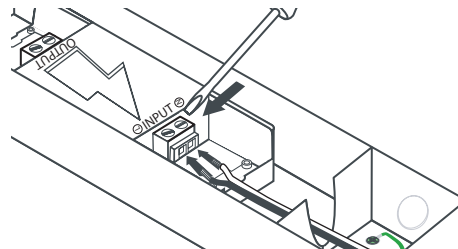
**2.** Use a screwdriver to remove Power Supply junction box lid. Knock out one of the openings to the junction box.



**3.** Remove screws from Power Supply wire port covers; remove covers.

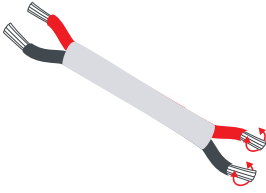


**4.** Thread 120V AC wire into junction box through knock out. (Terminals on the 120V AC side will accept up to 12AWG solid-core copper wire.)

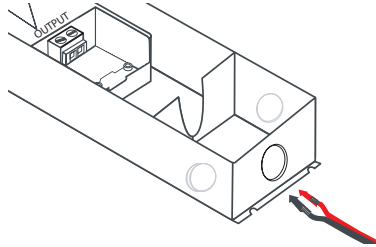


**5.** Loosen screws on the INPUT side of Power Supply. Insert Black wire to terminal (L), White wire to terminal (N), Green wire to grounding stud. Tighten screws.

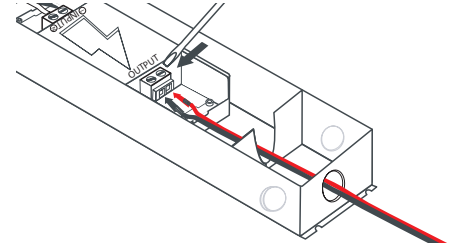
## Wiring 12V DC side of Hardwired Dimmable Power Supply



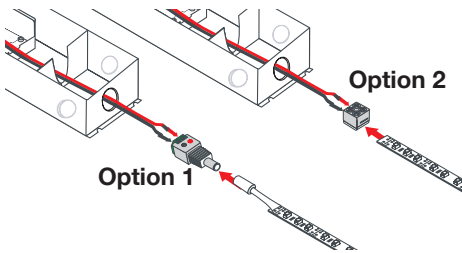
**1.** Cut length of wire to run from Power Supply to the installation location of the LED Tape Light. Strip 1/4" from both ends of wire, twist, and fold stripped wire section in half.



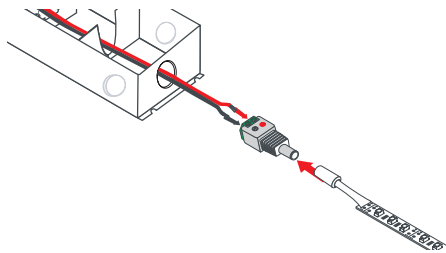
**2.** Knock out one of the openings on the **Output** side of the junction box. Thread connection wires through knock out.



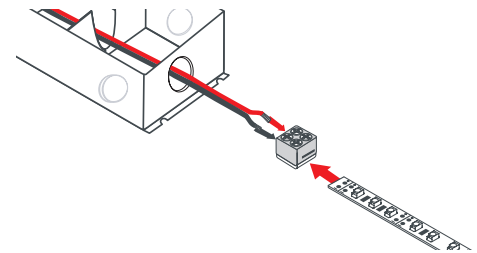
**3.** On the **Output** side of Power Supply, insert Red wire into terminal (V+) Red, Black wire to (V-) Black; tighten screws.



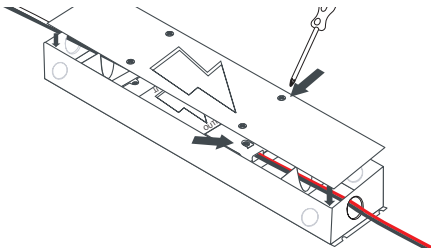
**4.** Connect the other end of stripped wires to LED Tape Light using one of the illumLED Connectors, Red wire to (+), Black wire to (-). See **Option 1** or **Option 2** for connecting.



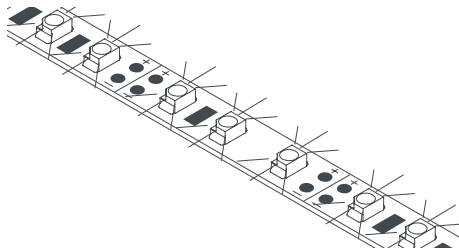
**5. Option 1 – Using LED Tape Light Factory Installed Female Plug**  
Insert stripped wires into the terminals of a Male Barrel Connector T-MBC, Red wire to (+), Black wire to (-), tighten screws. Plug into Female Plug on end of the LED Tape Light.



**5. Option 2 – Using L-8MM-EZ Connectors** Cut factory installed Female Plug off the end of the LED Tape Light. Use #1 Phillips to loosen the 4 terminal screws on 8MM-EZ Connector. Peel 1/2" of the adhesive protector from back of LED Tape Light, insert into connector, evenly tighten screws. Insert wires into terminals, Red wire to (+) side of tape, Black wire to (-) side of tape; tighten screws. Check all connections for wire polarity – Red wire to (+), Black wire to (-).

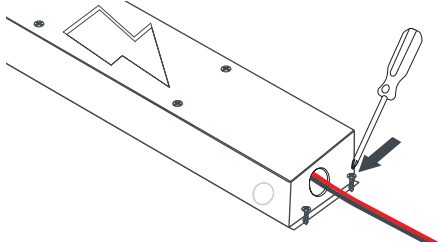


**6.** Position port covers back in place and tighten screws. Replace lid on junction box and tighten the 4 screws.



**7.** Turn on 120V AC power to Power Supply and switch lights on.

## Mounting Hardwired Dimmable Power Supply



**1.** Position junction box in place and use screws to secure to mounting surface.