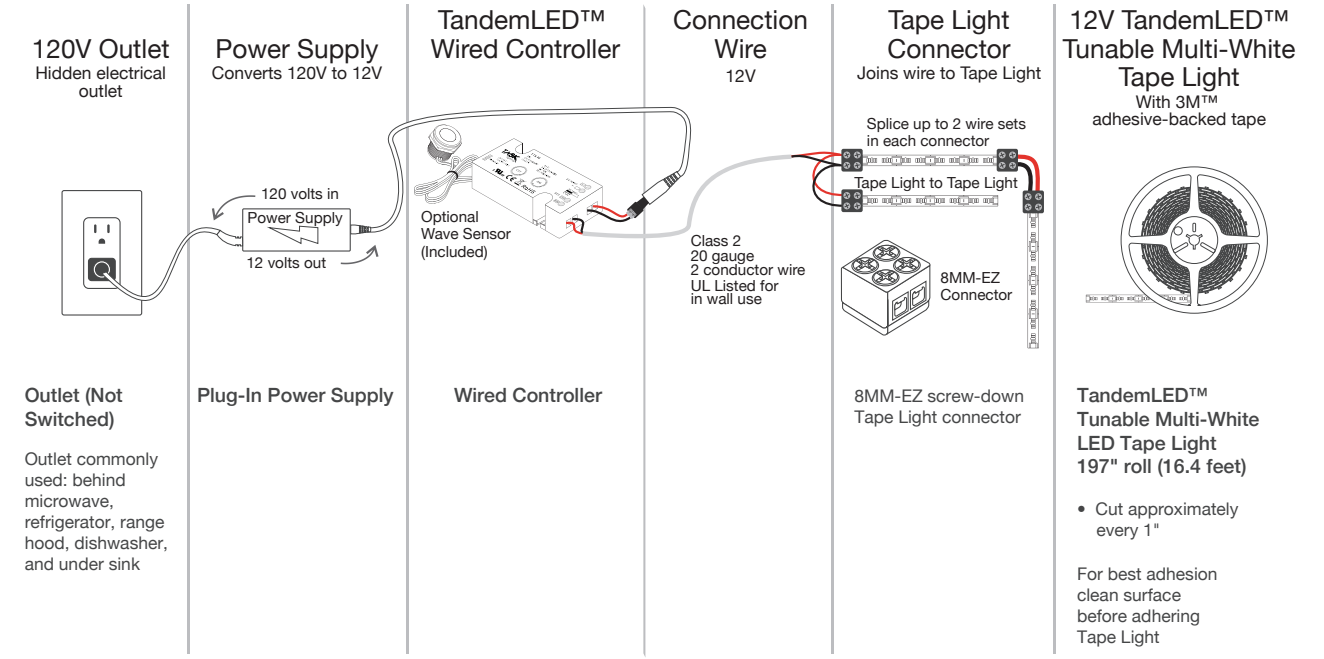
TandemLED™ Wired Controller

Installation Instructions Overview

Part Number	Description
T-TTIL-96	96 watt Multi-White Color Tunable Wired Controller. Allows you to press one button to click through 2700K (27), 3000K (30), 4000K (40), and 5000K (50) white color temperatures. The other button allows you to turn the multi-white lights on / off / or dim to a certain brightness. Included Wave Sensor (optional) allows you to wave hand in front of sensor to turn lights on / off.

Overview of WAV Smart Receiver Hookup Diagram

Step 1. Connect Power Supply to Wired Controller → **Step 2.** Connect Wired Controller to Tape Light → **Step 3.** Tune the white color temperature of lights



Outlet (Not Switched)

Outlet commonly used: behind microwave, refrigerator, range hood, dishwasher, and under sink

Plug-In Power Supply

Wired Controller

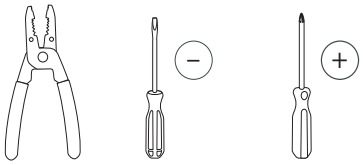
8MM-EZ screw-down Tape Light connector

TandemLED™ Tunable Multi-White LED Tape Light 197" roll (16.4 feet)

- Cut approximately every 1"

For best adhesion clean surface before adhering Tape Light

Tools Needed



Wire Strippers | Flat head Screwdriver | #1 Phillips Screwdriver

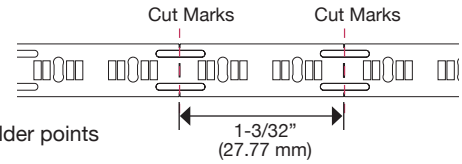
Product Legend

EZ Connector L-8MM-EZ

Female Barrel Connector T-FBC

NOTE

- **DO NOT** connect low-voltage LED tape light to high-voltage power.
- Do not over tighten any screws.
- Maintain polarity on all connections, Red to (+) and Black to (-).
- Maximum 32.8 feet of Tape Light can be connected together.
- For shorter lengths of Tape Light, cut with scissors at cut marks where a black line runs through 2 solder points – **CUT AT DESIGNATED CUT LINES ONLY**



Pre-Installation Testing

1. Completely unroll the LED Tape Light from the reel.

2. Plug-in Power Supply – insert the Male Plug on the Power Supply into the Female Connector on the end of the LED Tape Light.

3. Turn on 120V AC power to the Power Supply. All LEDs should illuminate.

4. Unplug Power Supply – after verifying LED illumination, disconnect LED Tape Light from Power Supply.

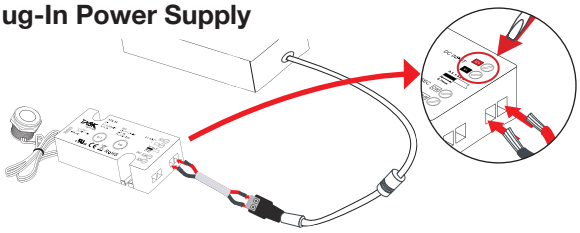
TandemLED™ Wired Controller

Installation Instructions

Step 1. Connect Power Supply to Wired Controller

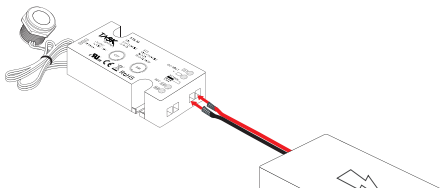
NOTE: Provide receptacle for Plug-in Power Supply or use existing outlet behind the microwave, refrigerator, dishwasher, or under the sink. If using our in-line low voltage switches, sensors, or Wireless Control systems, see instructions packaged with the components.

Plug-In Power Supply



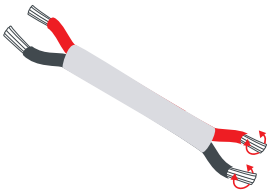
Cut a length of connection wire to run from Power Supply to Wired Controller. Strip 1/4” insulation from both ends of wire, twist each wire, and fold stripped wires in half. Use Female Barrel Connector (T-FBC) to run wire from Plug-in Power Supply. Red wire to (V+) terminal and Black wire to (V-) terminal on the wired controller.

Waterproof Hardwired Power Supply

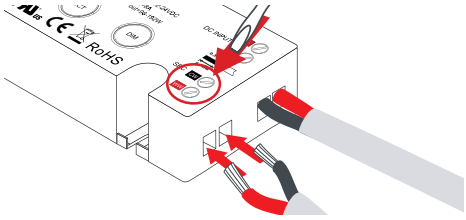


Insert Red wire from Power Supply to (WW) on Wired Controller and Black Wire from Power Supply to (CW).

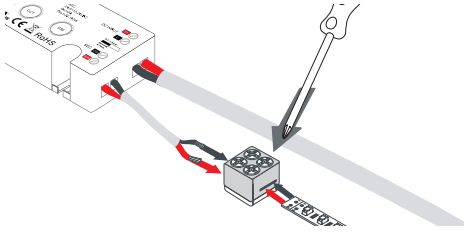
Step 2. Connect Wired Controller to Multi-Color Tape Light



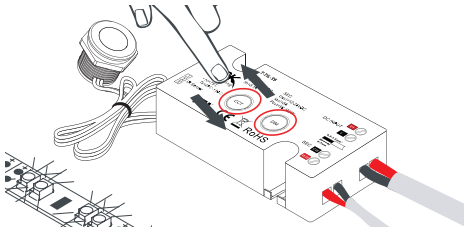
1. Cut a length of connection wire to run from Wired Controller to Multi-White Tunable Light location. Strip 1/4" insulation from both ends of wire, twist each wire, and fold stripped wires in half.



2. Use a flathead screwdriver to loosen the (WW) and (CW) terminals. Insert Red wire into (WW) terminal and Black wire into (CW) terminal, ensuring wire is fully inserted into terminals; tighten screws.

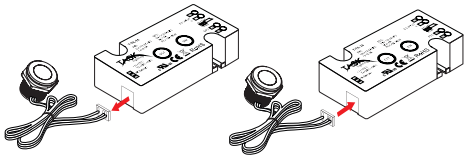


3. Use #1 Phillips to loosen the 4 terminal screws on 8MM-EZ Connector. Peel 1/2” of the adhesive protector from back of LED tape light, and scrape waterproof coating, insert into connector, evenly tighten screws. Insert wires from Wired Controller into terminals, Red wire to (+ or WW) side of tape, Black wire to (- or CW) side of tape; tighten screws.

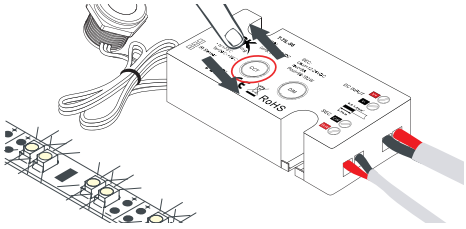


4. Turn on 120V AC to Power Supply and use the Wired Controller to adjust white color temperature and dim / brighten the lights.

Step 3. Using the Wired Controller and included Wave Sensor

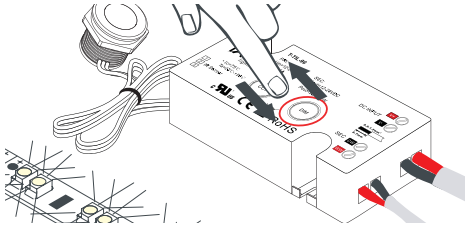


1. ***OPTIONAL:*** If using the included Wave Sensor to turn lights on / off, drill a 11/16” hole in desired location. Unplug wire from Wired Controller, unscrew nut on sensor and run through hole, and plug back into the Wired Controller. Push Wave Sensor into drilled hole and screw nut back on sensor to secure in place. Wave hand in front of Sensor to turn the lights on / off.



2. Press the “CCT” button to select between the pre-programmed white temperatures of 2700K, 3000K, 4000K, or 5000K.

Press and hold the “CCT” button to fade through the white temperature from 2700K to 5000K temperature. Release the button once the desired color temperature is found.



3. Press the “DIM” button to set brightness to pre-programmed brightness of 0%, 33%, 66% and 100%.

Press and hold the “DIM” button to brighten the lights to the desired temperature, press and hold again to dim down brightness of lights.