



LUTRON HWL-TLK-SW Lumaris Tape Light Instruction Manual

[Home](#) » [Lutron](#) » LUTRON HWL-TLK-SW Lumaris Tape Light Instruction Manual 

LUTRON HWL-TLK-SW Lumaris Tape Light



Contents

- [1 Lumaris Tape Light](#)
- [2 Parts List](#)
- [3 Installation Instruction](#)
- [4 Error Codes](#)
- [5 Customers Support](#)
- [6 Documents / Resources](#)
 - [6.1 References](#)
- [7 Related Posts](#)

Lumaris Tape Light

Please read before installing.

Lumaris Tape Light Kit

HWL-TLK-SW; HWL-TLK-DL; RRL-TLK-SW; RRL-TLK-DL Lumaris Tape Light Wireless Controller (with T120-24DC-15 Power Supply) HWL-TWC; RRL-TWC

Wireless Controller:

Input: 24 V DC 1.5 A

Output: 24 V DC 1.33 A 32 W

Power Supply:

Input: 100-240 V \sim 50/60 Hz 1 A Max

Output: 24 V DC 1.5 A

Tunable White LED Tape

LU-TO5-SW; LU-TO5-DL

24 V DC 2 W/ft

Connector Pack

LU-CK1-TW

Mounting Clips

LU-MK1

3-Conductor Cable

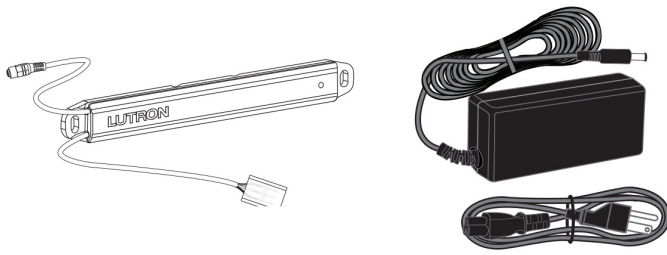
LU-WK1-TW

Ambient Operating Temperature Range: 32 °F to 104 °F (0 °C to 40 °C)

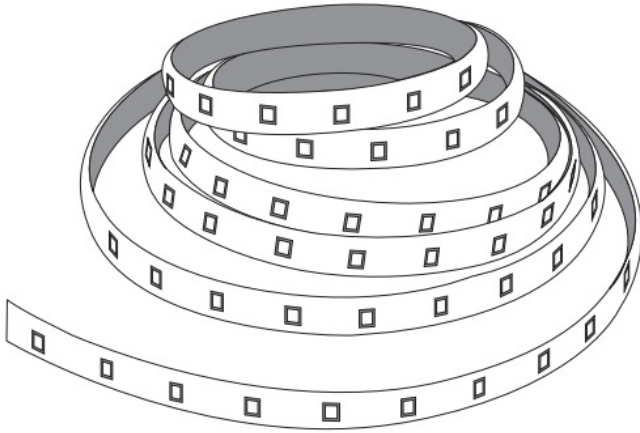
Parts List

Contents (may vary based on model)

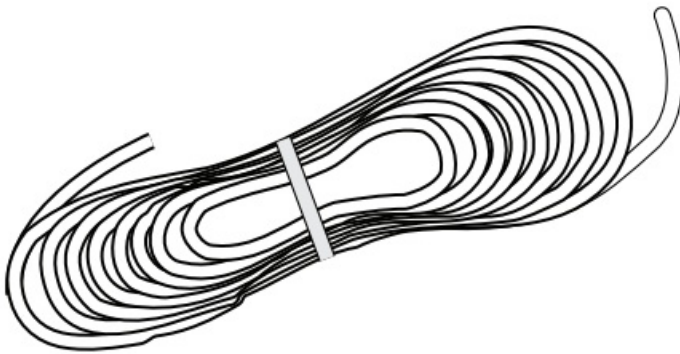
- Wireless controller and power supply



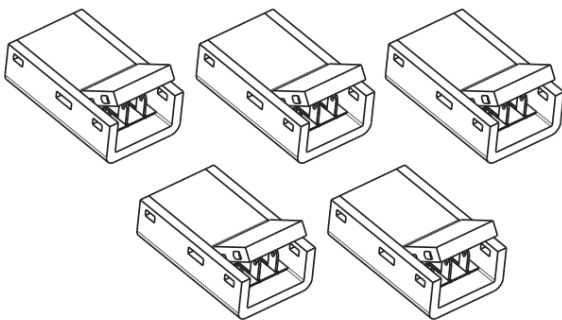
- Tunable white LED tape



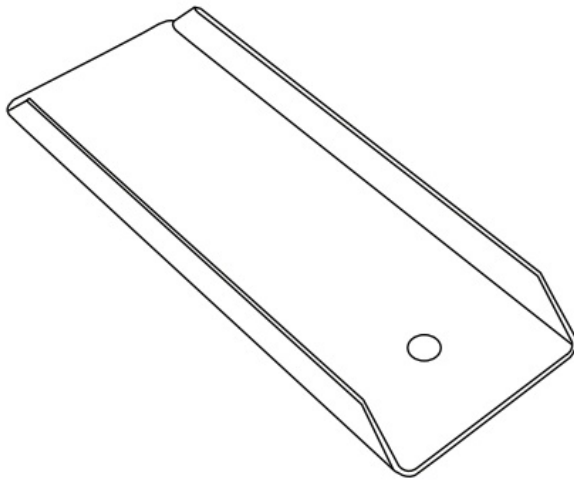
- 3-Conductor Cable



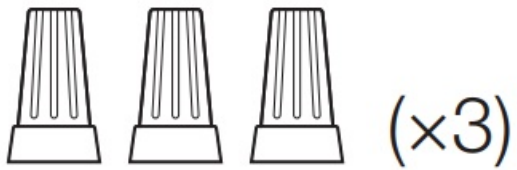
- Wire-to-tape connectors (×5)



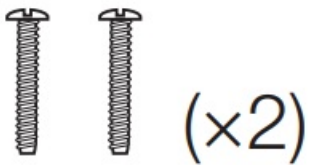
- Bracket



- Wire connectors



- Screws




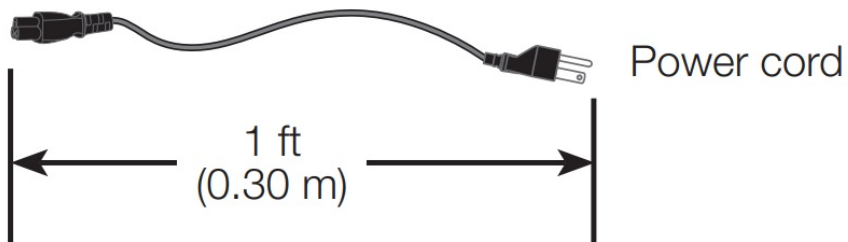
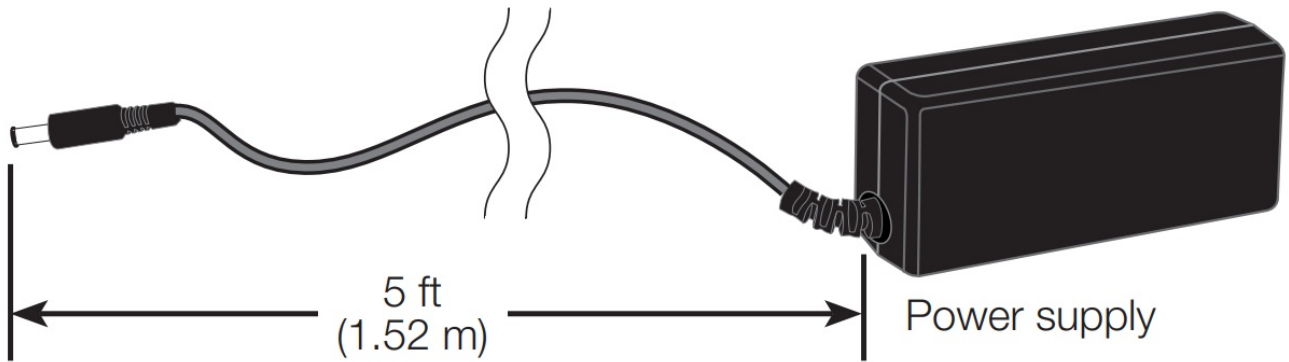
- Mounting Clips



Installation Instruction

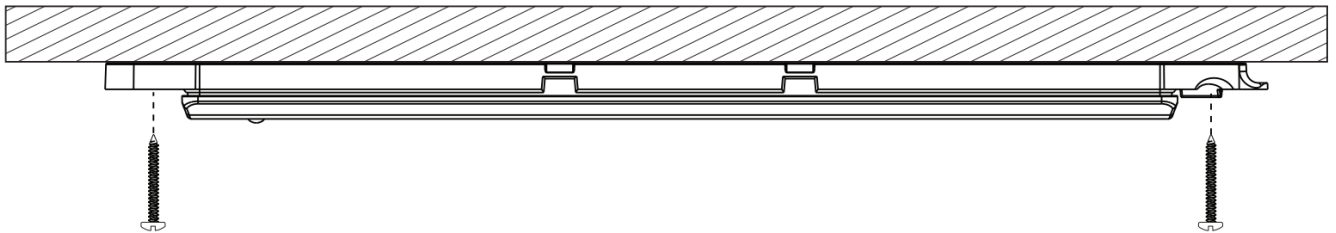
Select a location for the wireless controller and power supply.

Verify that the power cord reaches a power outlet and the 24  cord reaches the wireless controller

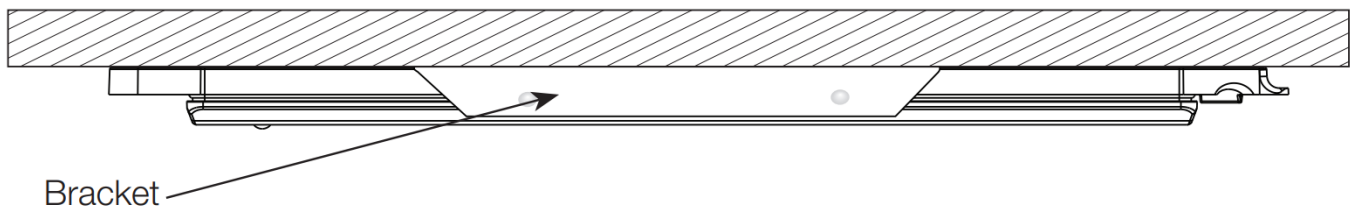


Mount the wireless controller

Option 1: Mount the wireless controller using the provided screws.

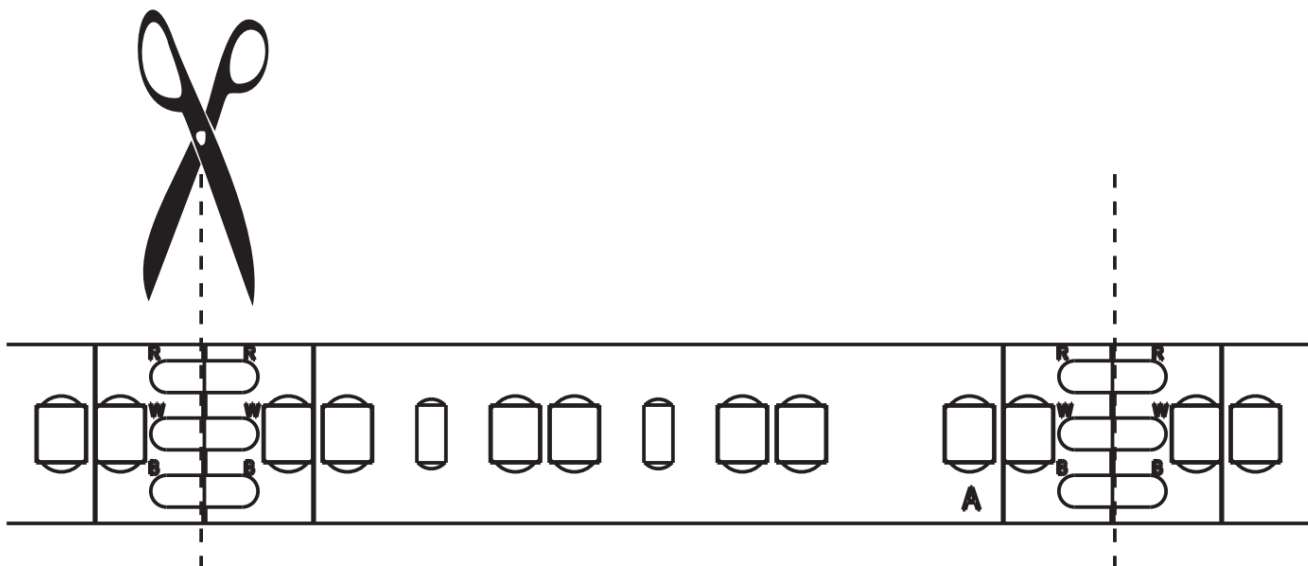


Option 2: Mount the wireless controller using the provided adhesive-backed bracket that the module snaps into.

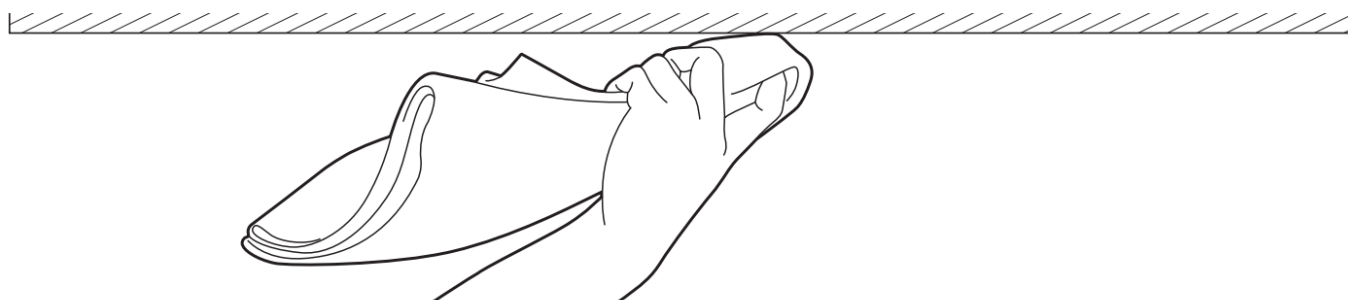


NOTE: Do not install wireless controller inside an enclosed metal cabinet.

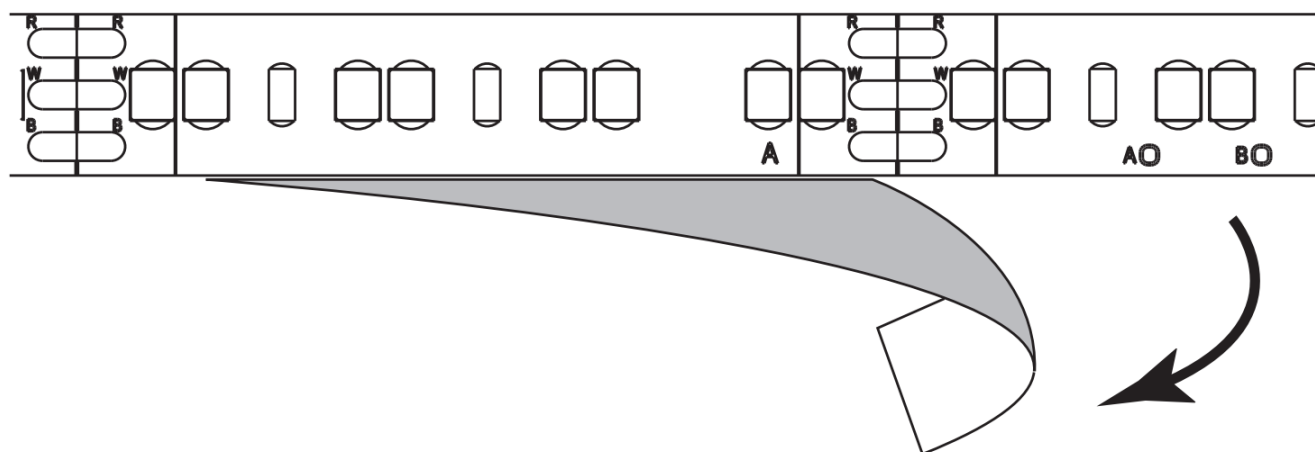
Measure and cut the LED tape to the desired length at one of the marked locations



Clean the surface on which the LED tape will be adhered ensuring that it is dry and free of dust

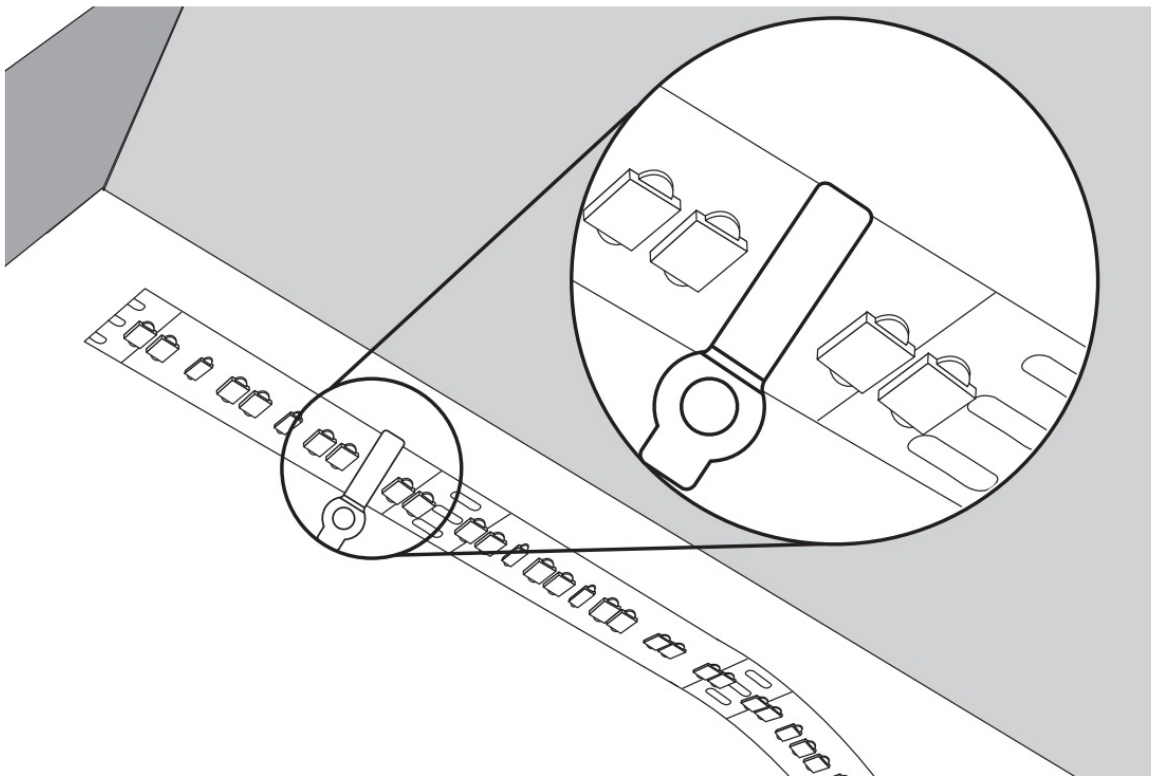


Peel the backing off of the LED tape

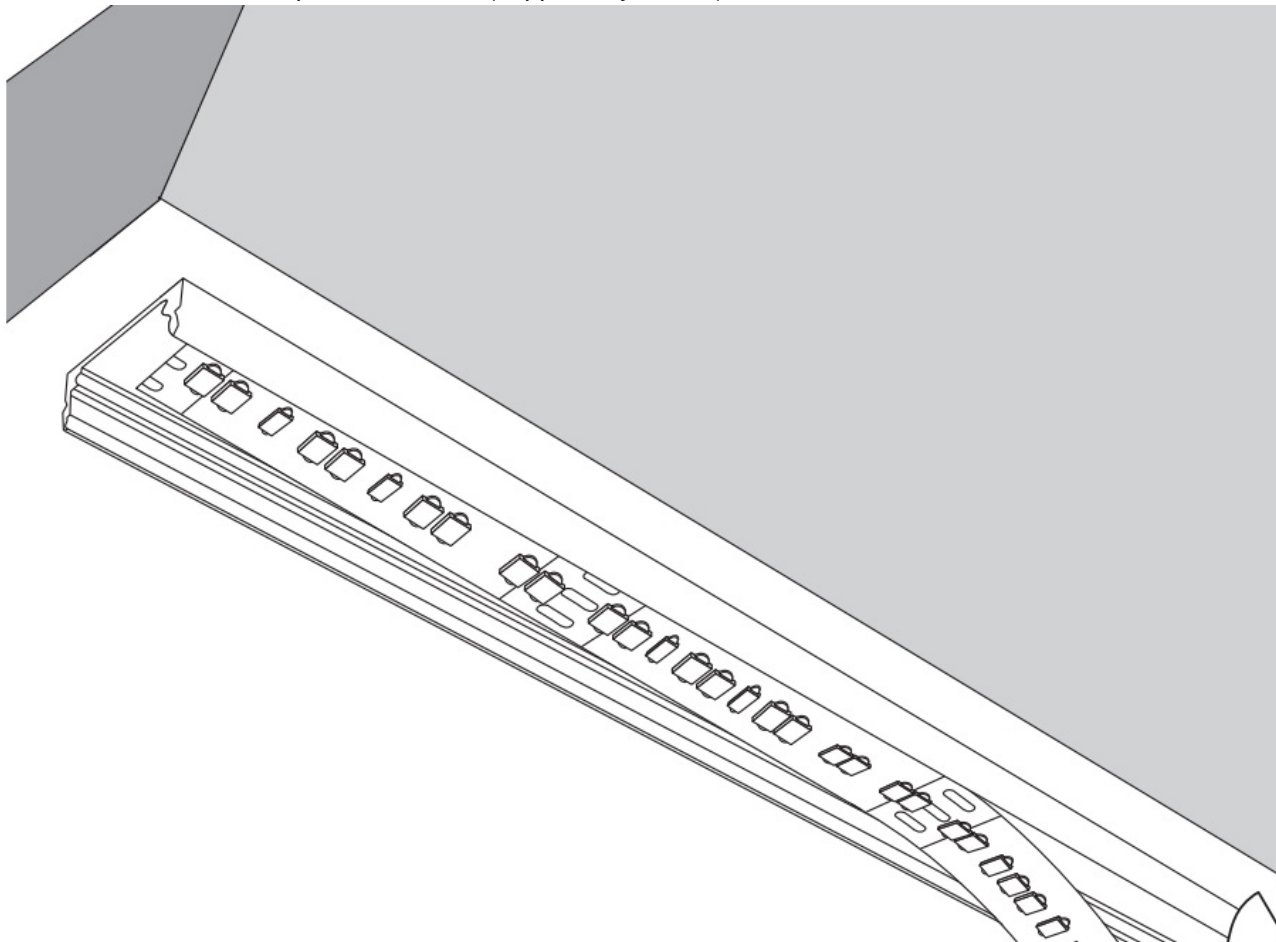


Attach the LED tape to the surface starting at a point that allows the wireless controller to connect to the starting point of the LED tape. Press and hold for 10 seconds

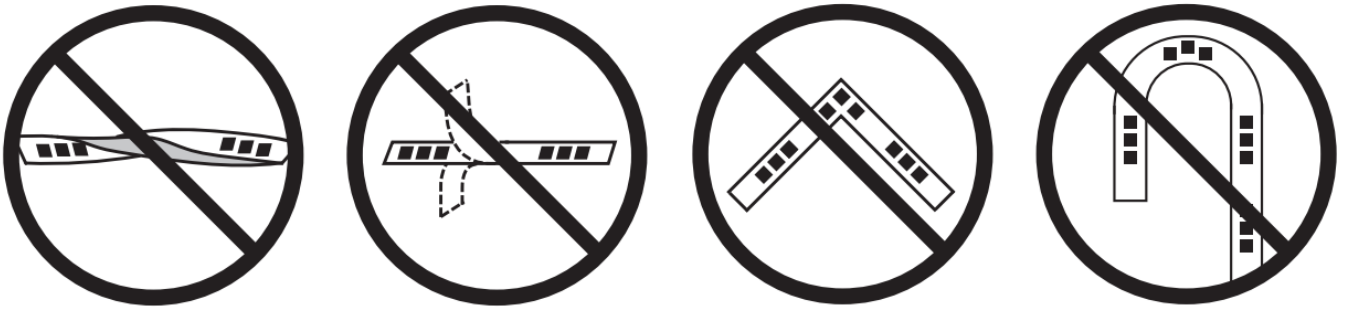
Option 1: Mount the LED tape directly to the cabinet surface. If needed, use screw-in mounting clips LU-MK1 (sold separately) with approximately 1 ft (0.30 m) spacing as an additional means of securing the tape.



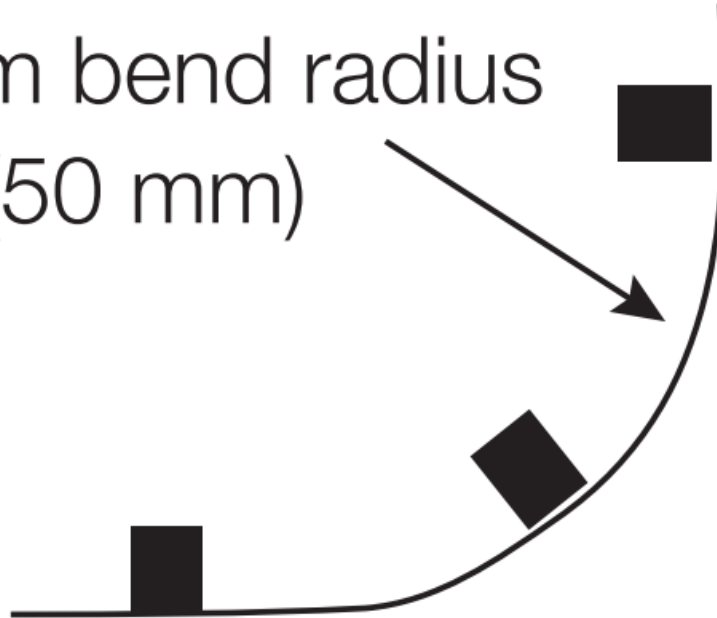
Option 2: Mount the LED tape in a channel (supplied by others) which is then mounted to the cabinet surface.



NOTE: DO NOT twist or repeatedly bend the LED tape as this could cause damage to the connections in the tape itself.

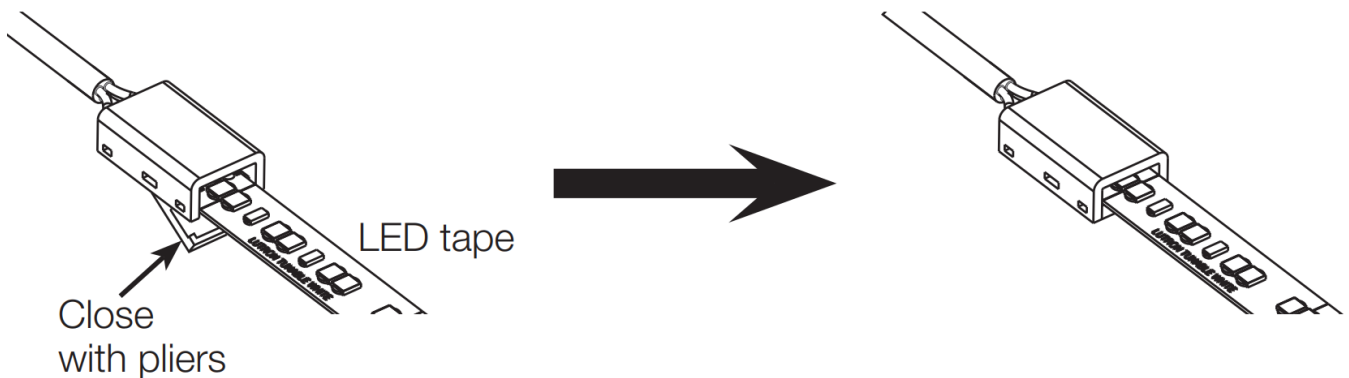


Minimum bend radius
1.96 in (50 mm)

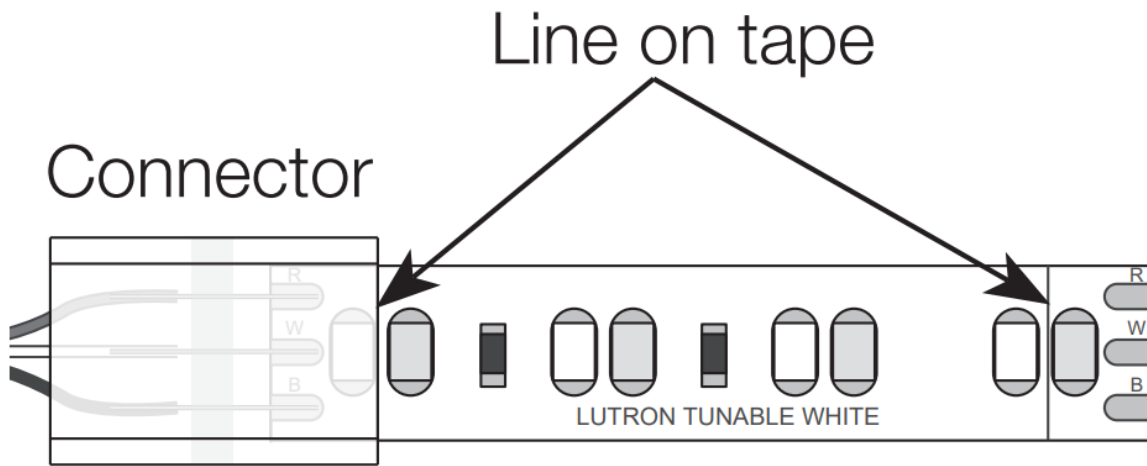


Connect the wireless controller to the LED tape

Insert the LED tape into the connector ensuring that the copper pads on the LED tape make contact with the pins in the connector and that the wire insulation color matches the color abbreviations on the tape (R=Red, W=White, B=Black). The connector should be closed using pliers. If the length of the wireless controller output cable must be extended, cut off the wire-to-tape connector and add cable using the provided wire spool and wire connectors. Follow step 8 for installation of the wires into the wire-to-tape connector.

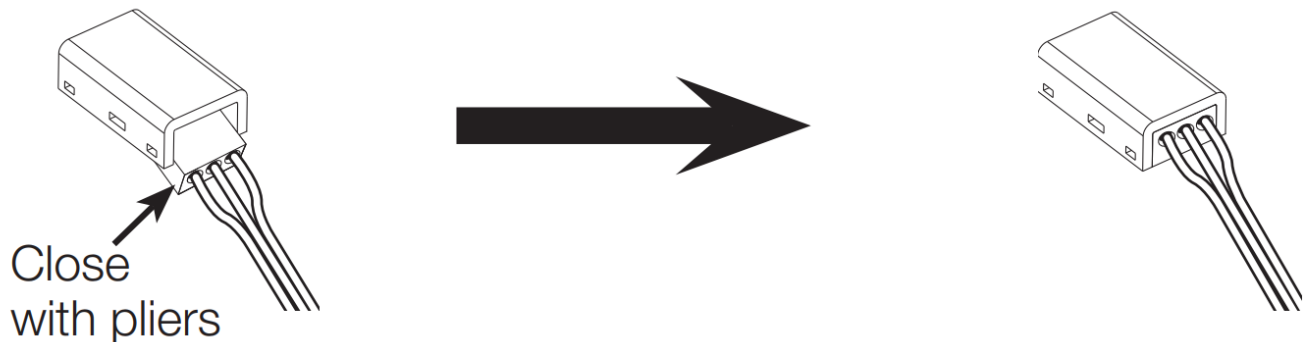


NOTE: Align the edge of the connector with the line printed on the tape.

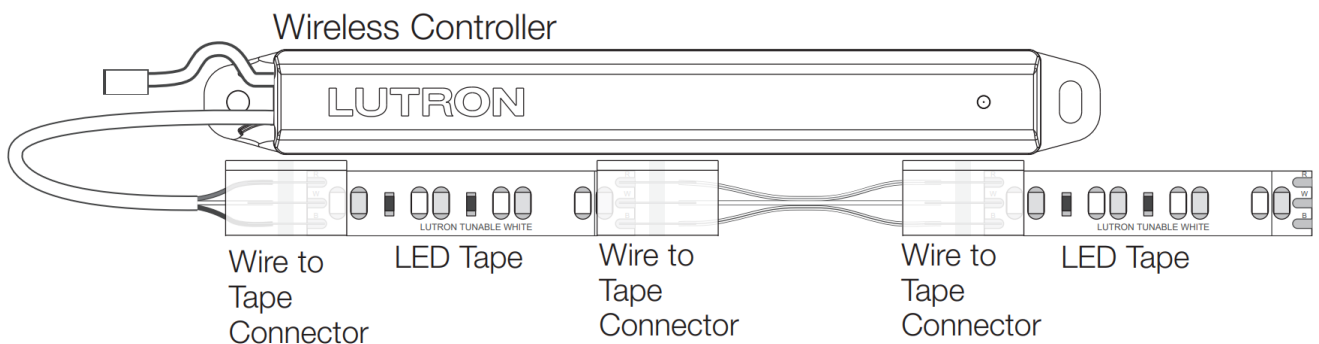


Join additional sections of LED tape to the series (optional)

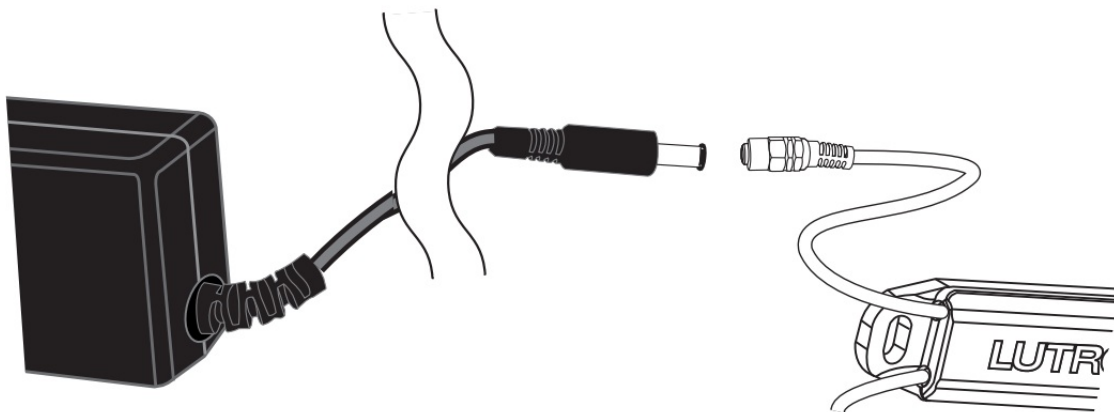
1. Measure the length of cable needed to connect the tapes in their installed locations, noting that the maximum amount of cable allowed is 10 ft (3 m).
2. Cut the needed amount of cable from the 3-conductor cable.
3. Insert the three wires from the 3-conductor cable into the other side of the connector ensuring that they are fully inserted and the colors match those listed on the LED tape inserted into the other end of the connector. The connector should be closed using pliers.



4. Insert the LED tape into the connector as shown in Step 7.



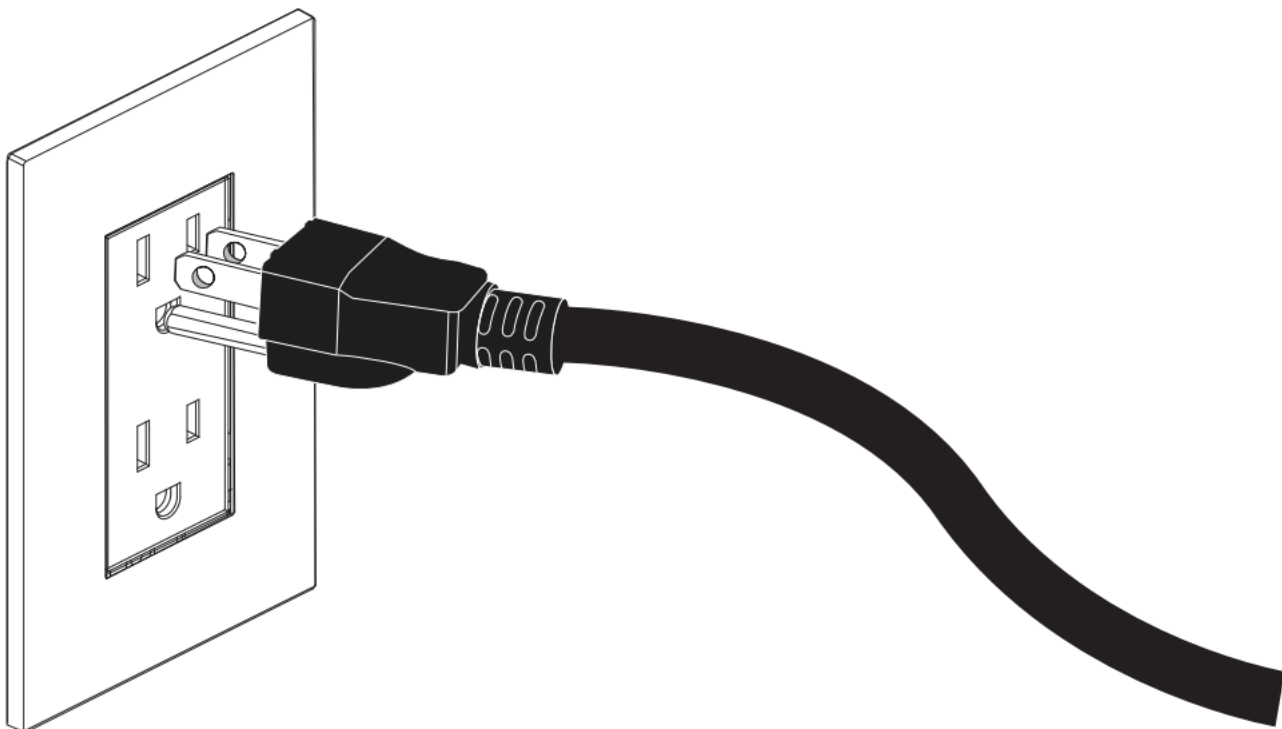
Connect the 24 V $\overline{\overline{\overline{\text{---}}}}$ cable into the wireless controller



NOTE: If the length of the 24V --- cable must be extended, cut the plug ends off both the power supply and the wireless controller and add cable of the appropriate gauge, from the table below to account for the distance. Confirm voltage polarity of the extended wire before connecting to the wireless controller. On the wireless controller Red --- 24V ---and Black = Common.

Maximum Wire Length From the Power Supply to the Wireless Controller: ft (m)				
12 AWG (4.0 mm2)	14 AWG (2.5 mm2)	16 AWG (1.0 mm2)	18 AWG (0.75 mm2)	20 AWG (0.50 mm2)
42.5 (13)	26.5 (8)	17 (5.2)	10.5 (3.2)	6.5 (2)

Plug the power supply into a power outlet



NOTE: LED tape will illuminate to 20% intensity to allow for wiring verification. If the LED tape does not illuminate please refer to the Error Codes section for troubleshooting.

FCC/IC Information

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation. Modifications not expressly approved by Lutron

Electronics Co., Inc. could void the user's authority to operate this equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This Class B digital apparatus complies with Canadian ICES-005.

This equipment complies with FCC/ISED radiation exposure limits set for an uncontrolled environment. The user should avoid prolonged exposure within 7.9 in (20 cm) of the antenna, which may exceed the FCC/ISED radio frequency exposure limits.

Error Codes

Indicator LED Flash Pattern	Reason	Remedy
Red LED on wireless controller flashes once, then a 2 second pause.	Output short circuited	Disconnect the load from the wireless controller and check for shorts. Power cycle the wireless controller to reset.
Red LED on wireless controller flashes twice, then a 2 second pause.	Output overloaded	Confirm that only 16 ft (5 m) of LED tape is connected to the wireless controller output. Power cycle the wireless controller to reset.
Red LED on wireless controller flashes three times, then a 2 second pause.	Input voltage too low	Confirm that the wireless controller is being powered by 24 V \pm 10%.
Red LED on wireless controller flashes four times, then a 2 second pause.	Input voltage too high	
Green LED on wireless controller is on continuously	Device is not commissioned	Setup the device in a system.

Customers Support

Help

Call us:

U.S.A.|Canada|Caribbean

1.844. LUTRON 1 (588.7661) (24/7)

Mexico

+1.888.235.2910

Others

+1.610.282.3800

Lutron and Lumaris are trademarks or registered trademarks of Lutron Electronics Co., Inc. in the US and/or other countries.

All product names, logos, and brands are property of their respective owners.

©2023 Lutron Electronics Co., Inc.

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299, U.S.A.

LUTRON

Documents / Resources



[LUTRON HWL-TLK-SW Lumaris Tape Light](#) [pdf] Instruction Manual
HWL-TLK-SW Lumaris Tape Light, HWL-TLK-SW, Lumaris Tape Light, Tape Light, Light

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.