INSTALLATION INSTRUCTIONS
STL65, HTL65, SPTL65, and HTL65-COB Series

⚠ WARNING

These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, current electrical codes, and/or the current National Electric Code (NEC).

⚠ WARNING

Use only with 24V DC drivers with a wattage capacity that can handle the total load; see page 2 for more details. Factory warranty will be void if used with a non-recommended power supply, transformer or driver.

⚠ WARNING

To reduce the risk of fire, electric shock or injury to persons, make sure that the electrical power to the system is disconnected at the source prior to installation or any servicing.

⚠ WARNING

Never fold Trulux® or bend past the minimum bending radius of 1" whether lighted or unlighted.

SAFETY INFORMATION

- Read all installation instructions before beginning; if not qualified, do not attempt installation. Contact a qualified electrician.
- To reduce the risk of fire, electric shock, or injury to persons, pay close attention to this manual and stay within its guidelines when using this product. Save these instructions for future use.
- Do not cover this product with paper surface coverings, fabrics, streamers, or other similar combustible materials.
- Do not operate Trulux on the reel, nor while it is coiled.
- This IP65 rated tape light is suitable for indoor or outdoor use, and for direct contact with rain. Do not submerge flexible light in liquids, or use the product in the vicinity of standing water or other liquids, or where water can accumulate. Using the IP54 connector will void the IP65 rating.
- Do not route the cord or tape light through walls, ceilings, doors, windows, or any similar part of the building structure.
- Secure tape light using only the adhesive provided with the tape and/or factory recommended mounting clips, mounting track, and aluminum channel (sold separately).
- Do not secure this product or its cord with staples, nails, or like means that may damage the outer jacket or cord insulation.
- Do not use if there is any damage to the tape light, diodes or power cord insulation; inspect periodically.
- Do not install on gates or doors, or where subject to continuous flexing.
- Do not install in airtight tanks or enclosures of any kind.
- Size your 24V DC driver appropriately for your run distance. Be sure not to load a driver to 100% as this will reduce its efficiency; a 90% maximum load is recommended.

LAYOUT CONSIDERATIONS

Pay close attention to the following maximum run lengths:

Series	Wattage	Cut Increments	Maximum run	Reel Length
STL65 Series	2.19W/ft	6.56"	32.8 feet (71.8 watts)	16.4 feet
HTL65 Series	4.6W/ft	3.94"	22 feet (101.2 watts)	16.4 feet
SPTL65 Series	7.8W/ft	1.97"	13.1 feet (102.1 watts)	13.1 feet
HTL65-COB Series	4.5W/ft	1.96"	16.4 feet (73.8 watts)	16.4 feet

PRODUCT INFORMATION

IP65 reels include one IP65 male and one IP65 female power adapter wire. These can be used when the tape light reel is cut because each end of the reel has an attached male or female connection (pre-attached - see Figure 1). If a reel is cut more than one time, you can use the HD connectors that are included with the reel. IP65 jumpers in 6", 12", and 24" lengths (TL-2JUMP65-.5, TL-2JUMP65-1, AND TL-2JUMP65-2 sold separately) can be used between interconnected reels and/or between the first section of tape light and the power adapter wire.
(3) TL-2PWR65-HD and (3) TL-2SPL65-HD are included with each reel. IP65 rating is void when using HD connectors. See Figure 2.

Mount using the 3M® VHB adhesive. Once the VHB protective backing is removed, the tape should be placed on the prepared mounting surface and not be repositioned, removed, or re-used. Let adhesive cure 24 hours prior to first use.
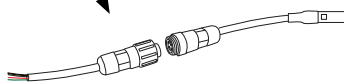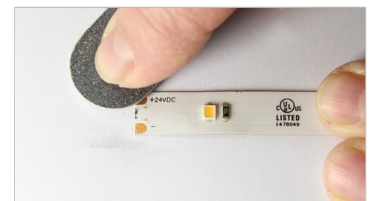

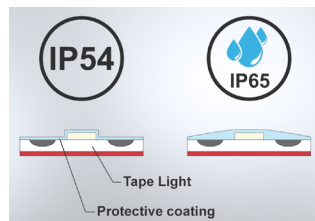
FIGURE 1

Power adapter wire

FIGURE 2

Trulux® tape light utilizes a nano-coating for ingress protection. It is recommended to scrape off the coating from each conductor to ensure a proper connection.

Tape Light
Protective coating

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CUTTING & LINKING TRULUX® TAPE LIGHT (See Figures 2-7):
Do not exceed the maximum tape light run length in any single run. Cut increments are clearly marked on the tape light (see Layout Considerations on Page 1). Ensure an even cut along the center of the copper conductors to ensure enough surface area is exposed for snap connector pins to pierce through.

MAKING A TAPE-TO-TAPE CONNECTION (See Figures 3-5):
1. Ensure the polarity of the conductors on the two pieces of tape light to be connected are aligned. See Figure 3.
2. Using a tape-to-tape snap connector, open both sides of the connector so the metal teeth inside are exposed. See Figure 4.
3. Peel a small portion of the protective backing from the tape light on the end to be connected, then insert cut tape light end so the copper pad conductors are aligned with the metal teeth inside.
4. Close snap connector and use pliers to ensure the connector "snaps" through the tape light. See Figure 5.

TO MAKE A TAPE-TO-WIRE CONNECTION (See Figures 6-9):
1. Using a tape-to-wire snap connector, follow steps 1-4 from "Making a Tape-to-Tape Connection" above to connect tape light.
2. Ensure polarity of the conductors on the connected piece of tape light and the polarity of the wires align. See Figure 6.
3. Cut desired length of wire from the 15ft reel of wire included being sure to leave approximately 1/2' on each end to be connected.
3. Separate wires slightly so they fit in the grooves of the snap connector. There is no need to strip the wire. See Figure 7.
4. Insert the cut wire into the slots of the snap connector so the wire is aligned with the metal teeth inside. See Figure 8.
5. Close snap connector and use pliers to ensure the connector "snaps" through the wire. See Figure 9.

FIGURE 2	FIGURE 3	FIGURE 4	FIGURE 5
Cut increments are clearly marked and should be cut down the center, leaving copper conductor pads exposed on both cut ends	+24V DC ⟷ +24V DC - ⟷ -		

FIGURE 6	FIGURE 7	FIGURE 8	FIGURE 9
Red ⟷ +24V DC Black ⟷ -			

FIGURE 10	FIGURE 11