

Snap-N-Light™ Mounting Channel Installation

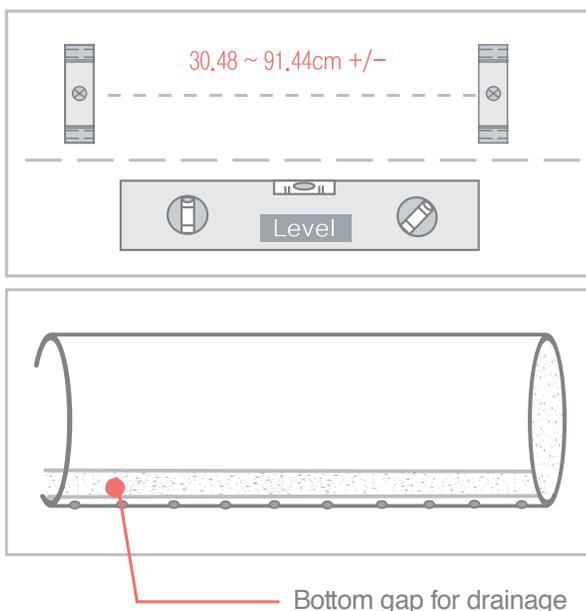
Our engineered mounting channels are designed to protect Light Tape® from tampering and the outdoor environment. Constructed from high grade polycarbonate, they have tremendous impact resistance and weatherability. The system is either installed using clips or adhesive depending on building surface.

In order for our system to work for years, it is important that Light Tape® is mounted properly. All outdoor installations **MUST** be mounted using of our mounting channels to allow the Light Tape® to expand and contract due to changes in the weather. Any Light Tape® used in outdoor installations without mounting channels will void warranty.

A few simple rules and suggestions for the proper installation:

- **DO NOT** bend mounting channel around corners when mounted outdoors. A sharp bend of the mounting channel will pinch the Light Tape® inside causing delamination and lamp failure.
- All segments should be sealed per Electro-LuminX's procedure. We recommend factory seals for all outdoor installations.
- Be sure to specify connection end - left or right side - so the channel is pointing in the correct direction. This will ensure the drainage slot is on the bottom.
- The connector will extend about 4.5" beyond the lit portion of the lamp on the end.
- Please follow local electrical codes, all connections should be in a junction box.
- Light Tape® should be controlled using a timer to prevent daytime operation. Operation during daylight hours leads to over excitation of the phosphors.

Follow the below step-by-step outdoor mounting instructions to ensure that Light Tape® is installed properly.



We recommend using a flat seat screw such as the pan head below. Angle seated screws such as the flat head (shown below) can cause damage (cracking) to the mounting clips.



- 1 Clean the surface and mark a chalk line using a level. Mount clips on 12" centers, depending on surface, with #10 screws. Mount with the first clip 1" from the connector end of the extrusion. If mounting indoors on smooth surfaces, mount UltraBond adhesive foam tape along the level line instead of clips.
- 2 Make sure drain slot is located at the bottom to allow for drainage. **DO NOT** fill open ends of the extrusion with silicone. If mounting with an adhesive do not block bottom gap.

- 3 Slip Light Tape® into the Mounting Channel in from end or from the bottom and allow to drop in place. Make sure the slot in the channel is facing the structure and / or in the opposite direction of the light emitting side of the lamp.

A. Utilizing the Bottom Slot

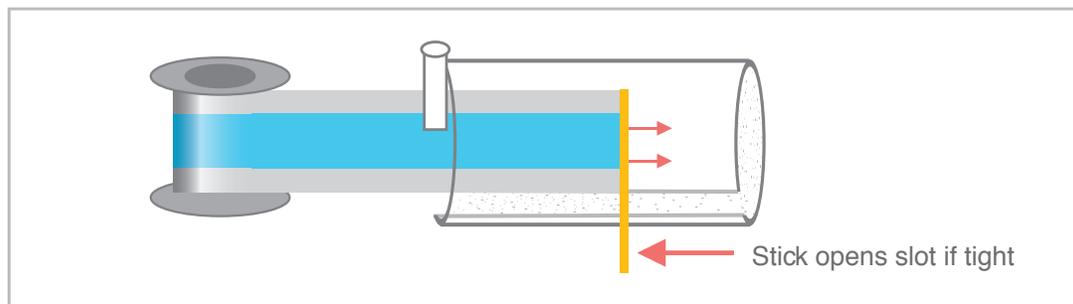
- Slide the Light Tape® upwards to the top of the channel.
- After clearing the lip, allow for Light Tape® to rest in the channel. Do not force over the lip.



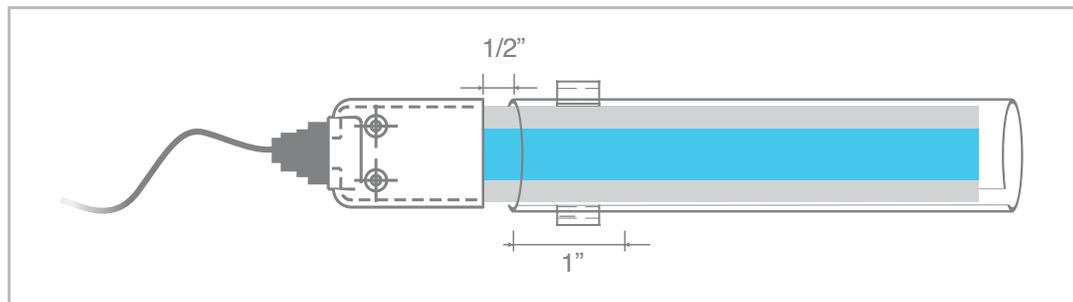
B. Feed Light Tape From End of Extrusion

- Ensure end of the extrusion is smooth
- Adhere Light Tape® to guide stick, it may be necessary to lubricate to ease entry.
- Slide down track slowly while feeding Light Tape®.
- Utilize wheel or core to allow Light Tape® to spin freely.

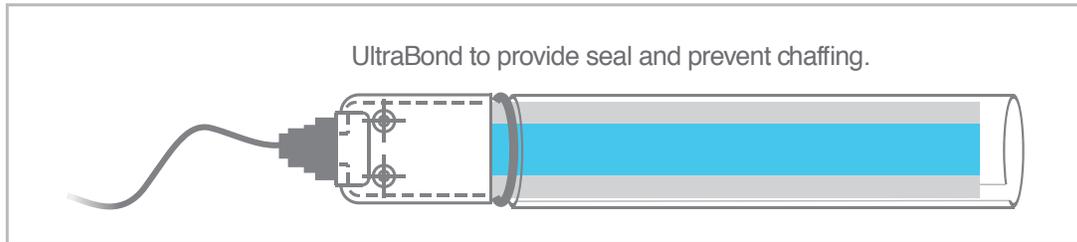
****IMPORTANT : DO NOT BEND, FLEX OR STRAIN LAMINATION WHEN PLACING LIGHT TAPE® INTO EXTRUSION (do not to compromise edge seal).**



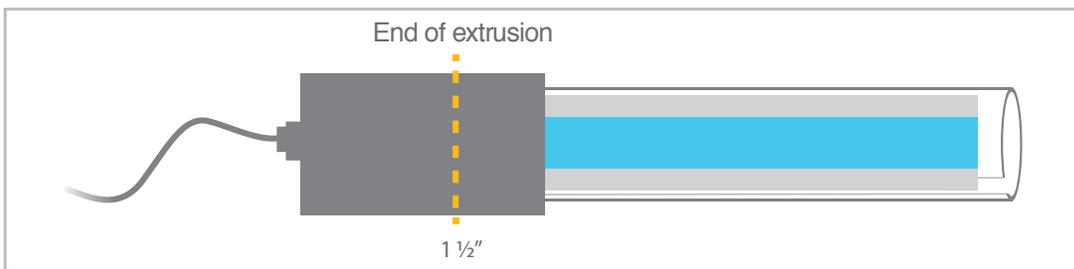
- 4 Make sure you have a few inches for your connection once inside extrusion. We recommend leaving a 1/2" between connector and extrusion. The first clip, when ready to install, should begin at connector end.



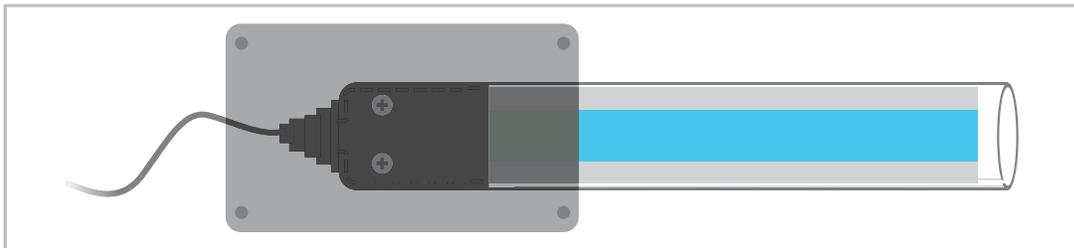
- 5 Take a 1/2" wide spacer or UltraBond gasket strip and wrap it around the Light Tape® lamp between the connector cap and extrusion.



- 6 Starting with the end of the wire, slide the shrink tube over the entire length of the wire and connector. Be sure that the shrink tube is lined up with the second to last ridge of the strain relief, and is completely covering the connector, butyl gasket strip, and end of the extrusion (1/2" or more). Using a heat gun, apply heat until a seal is formed around the extrusion and strain relief (be careful not to overheat Light Tape®).



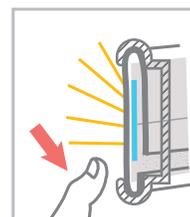
- 7 Place connection in junction box and always follow local electrical codes.



- 8 Starting with the connected end, snap the Mounting Channel into the clips (slot on bottom rear). Be careful not to bend or kink the Light Tape® when snapping into place. Be sure that bottom rear slit AND end of extrusion both are not covered or sealed, especially when using UltraBond™ to mount. This allows for proper air flow and drainage.



Slide into the top end of the clip first.



Press firmly downward to snap in place, making sure that slit in back is not covered to allow for drainage.

*See demonstration video online for help if necessary. Please follow local electrical codes when making electrical connections and always use the Light Tape® Outdoor Connection Kit.

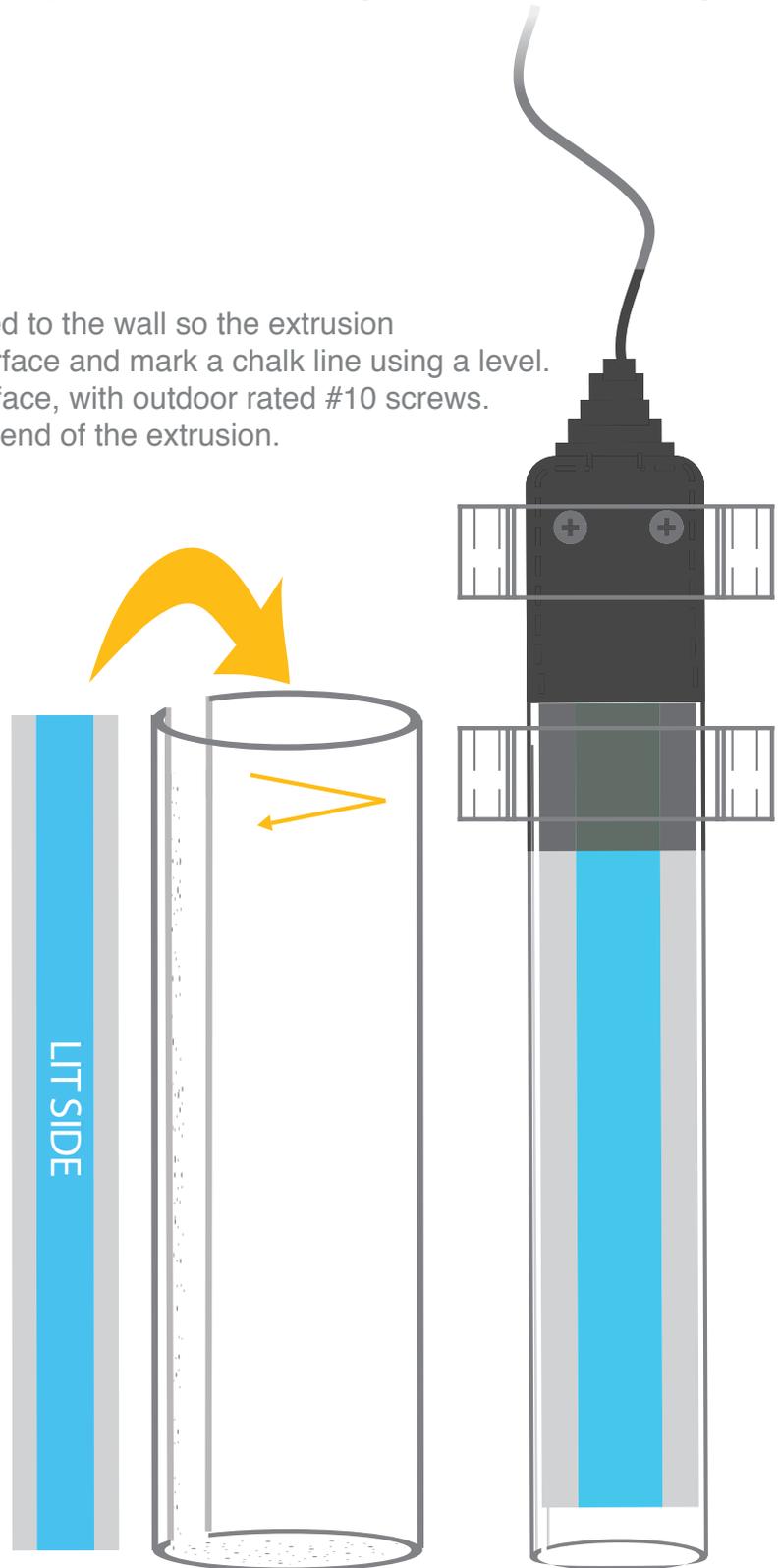
Vertical Mount

For vertical installations, always have connector on the top with drainage slot in the extrusion facing the mounting surface. To prevent the extrusion channel from sliding through the mounting clips, VibraMount™ should be used to attach the connector and the top 5 feet of the mounting channel to the mounting surface.

Note:

The connector should always be firmly secured to the wall so the extrusion does not slide through the clips. Clean the surface and mark a chalk line using a level. Mount clips on 12" centers, depending on surface, with outdoor rated #10 screws. Mount with the first clip 1" from the connector end of the extrusion.

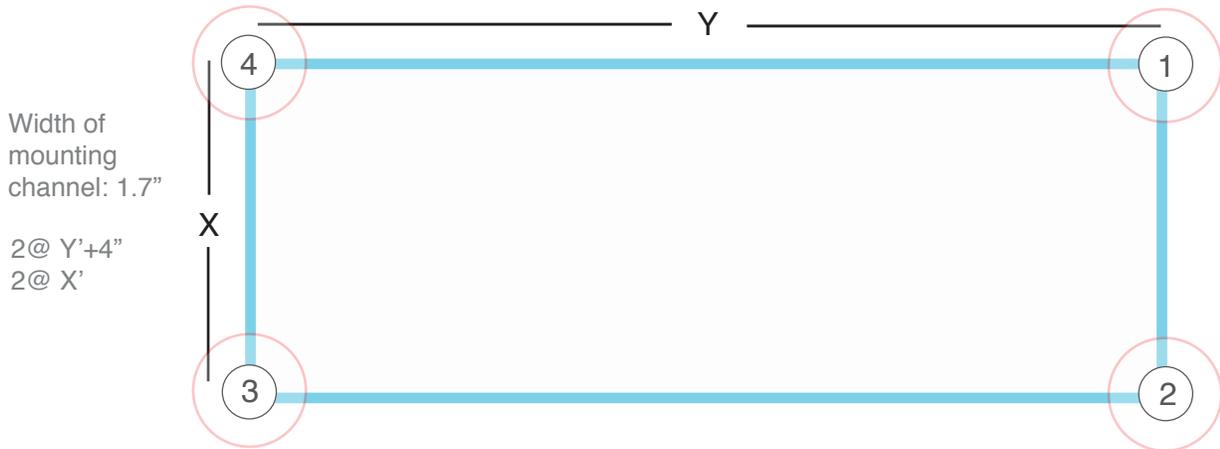
Place connection in junction box if required by local codes. Make sure the connector and power supply is located at the top and the channel opening is at the bottom so the extrusion is allowed to drain. To ensure the mounting channel stays in place, use either VibraMount™ or attach an extra support to the top of the connector fixing it to the surface.



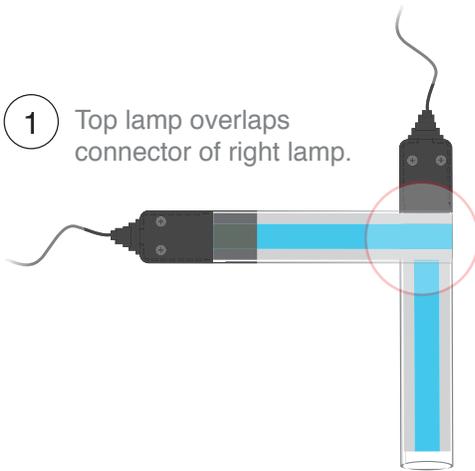
Important to leave open for air flow

Light Tape[®] Installation Guidelines:

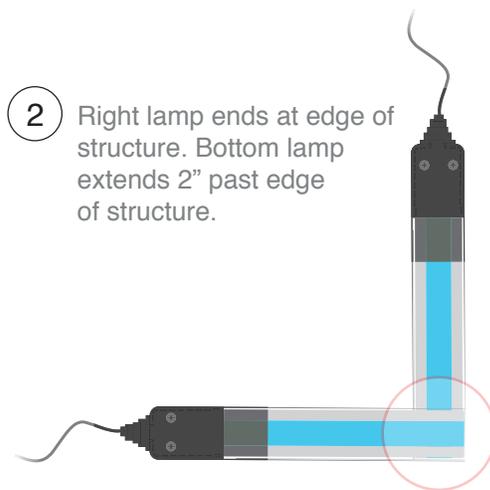
How to frame an area with accent lighting.



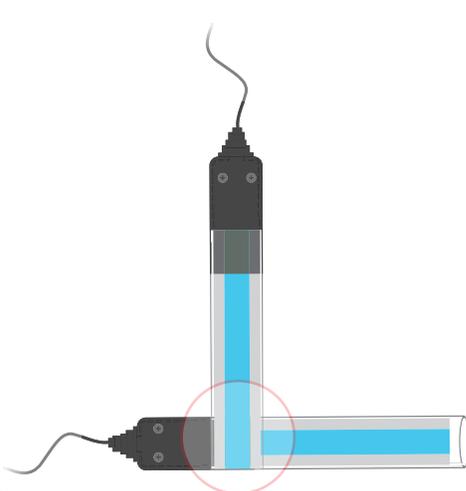
- 1 Top lamp overlaps connector of right lamp.



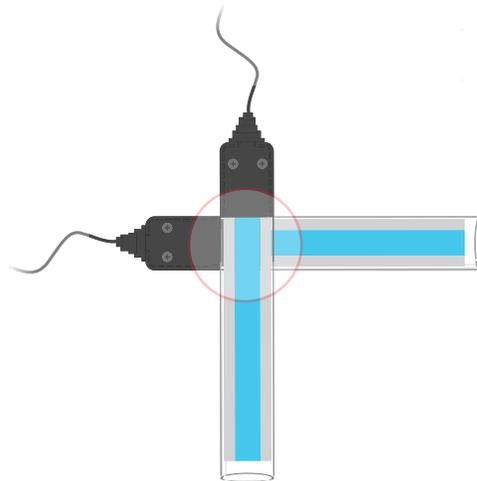
- 2 Right lamp ends at edge of structure. Bottom lamp extends 2" past edge of structure.



- 3 Left lamp ends at edge of structure. Bottom lamp lit area begins 2" past edge of structure. Connector of bottom lamp is on lower left.

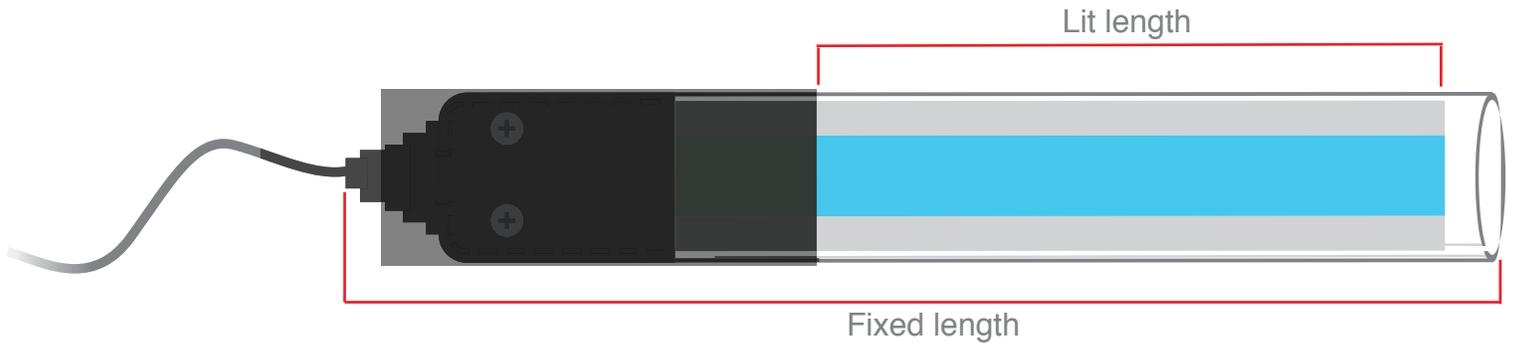


- 4 Left lamp lit area starts at the edge of structure. Top lamp overlaps left lamp connector and extends 2" past edge of structure.



Snap-N-Light™ Length

Please allow an additional 5.5" when determining the dimensions of your Light Tape's Snap-N-Light™ system. This 5.5" accounts for 4.5 inches for the Light Tape® Connector and strain relief, 1/2" for wire flex, and 1/2" for the area between the end of the lit area and the end of the extrusion.



The 2" wide Light Tape® Snap-N-Light™ system employs two connection points for optimal performance. Please allow an additional 5.5" when determining the dimensions of your Light Tape's Snap-N-Light™ system. This 5.5" accounts for 4.5 inches for the Light Tape® Connector and strain relief, 1/2" for wire flex, and 1/2" for the area between the end of the lit area and the end of the extrusion.

