

BRING YOUR IMAGINATION TO LIGHT WITH

# Light Tape<sup>®</sup>

Electro-LuminX<sup>®</sup>

www.lighttape.com

## Outdoor Mounting System

- Our patented technology protects SYLVANIA<sup>®</sup>'s encapsulated phosphors from moisture and sunlight.
- Light Tape<sup>®</sup> is laminated in Aclar<sup>®</sup>, the highest moisture barrier laminate in the world and made by **Honeywell International**, for the final layer of protection.
- 40% less energy consumption than LEDs.
- Continuous light up to 300 feet per connection.
- Weighs less than 1/4 pound per square foot.
- Extremely visible through smoke, fog, haze, or snow.
- Made of non-flammable and impact resistant materials

**Honeywell**

PHOSPHORS  
SYLVANIA

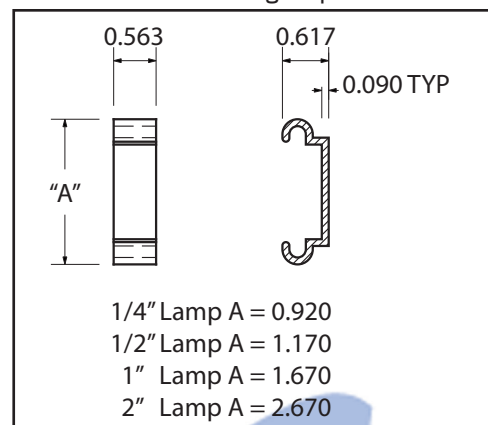
### Light Tape<sup>®</sup> Mounting Channel Specifications

#### Mount- Clip XXX

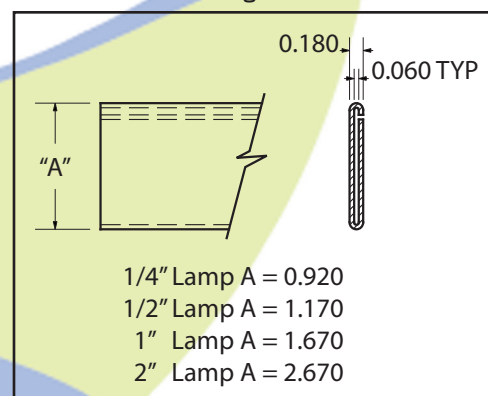
#### Mount- Channel XXX

- Mount Clip and Mount Channel to fit Light Tape<sup>®</sup>
  - 025- 1/4" Light Tape<sup>®</sup>
  - 050- 1/2" Light Tape<sup>®</sup>
  - 100- 1" Light Tape<sup>®</sup>
  - 200- 2" Light Tape<sup>®</sup>
- Mount Clip is attached to mounting surface
- Mounting Channel holds the Light Tape<sup>®</sup> and snaps into the pre-attached mounting clips.

Mounting Clip



Mounting Channel



<b>Material</b>	<b>Clear UV Stable Polycarbonate Mounting Channel</b>
<b>Mounting Screw</b>	<b>Number 10</b>
<b>Clip Placement</b>	<b>One clip per 1 to 3 feet, depending on surface</b>
<b>UV Screen</b>	<b>Yes, and non-yellowing</b>
<b>Roll Format</b>	<b>100 foot coils - or longer per special order</b>

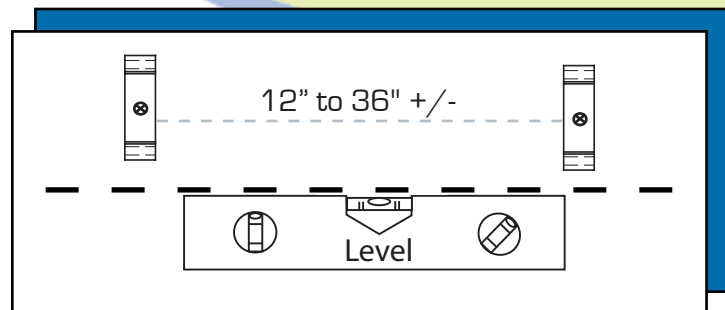
## Mounting Channel Installation

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 snap-in mounting clips hold the mounting channel, and can be attached to almost any surface.

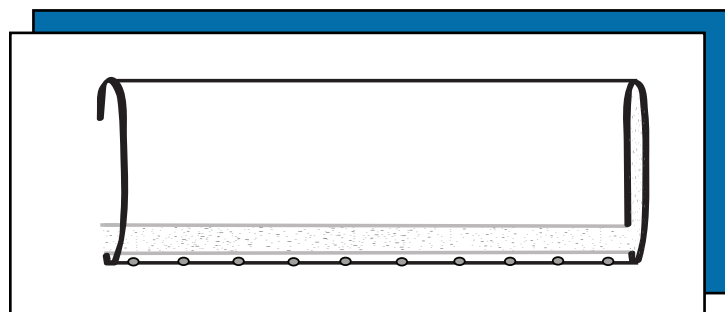
In order for our system to work for years, it is important that Light Tape® is mounted properly. All outdoor installations **MUST** be mounted into one of our mounting channels to allow the Light Tape® to expand and contract. Any Light Tape® used in outdoor installations without mounting channels will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

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

1. Determine the number of segments you will require.
  - \* DO NOT bend Light Tape® around corners when outside.
  - \* All segments should be sealed per Electro-LuminX's procedure.
2. Clean the surface and mark a chalk line using a level along which the Light Tape® is to run. Mount clips on 12-36" centers, depending on surface, with number 10 screws. Chalk mark should line up to the edge (NOT middle) of clips. 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. **DO NOT** mount extrusion with silicone, Liquid Nails, or any non-approved adhesives



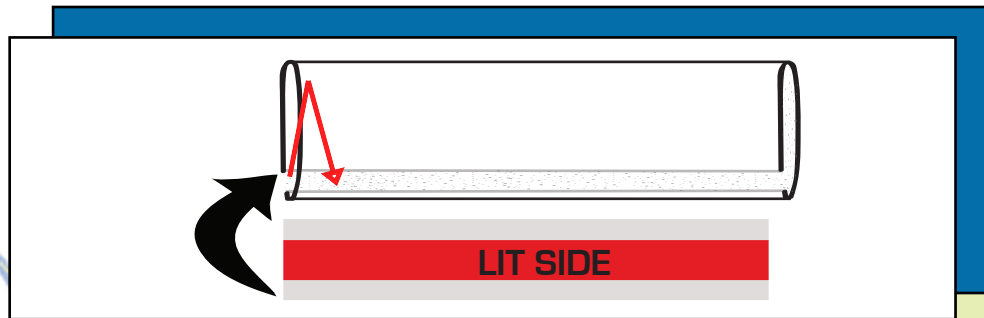
3. Drill weep holes on long runs of extrusion to allow for drainage. **DO NOT** fill open ends of the extrusion with silicone.



4. Slip Light Tape<sup>®</sup> 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!

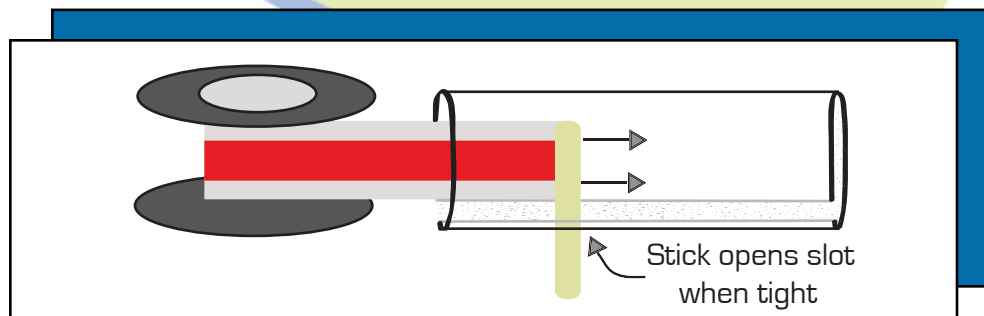
## A. Utilizing the Bottom Slot

- Slide the Light Tape<sup>®</sup> upwards to the top of the channel.
- After clearing the lip, allow for Light Tape<sup>®</sup> to rest in the channel.
- Do not seal opening; leave open for drainage.



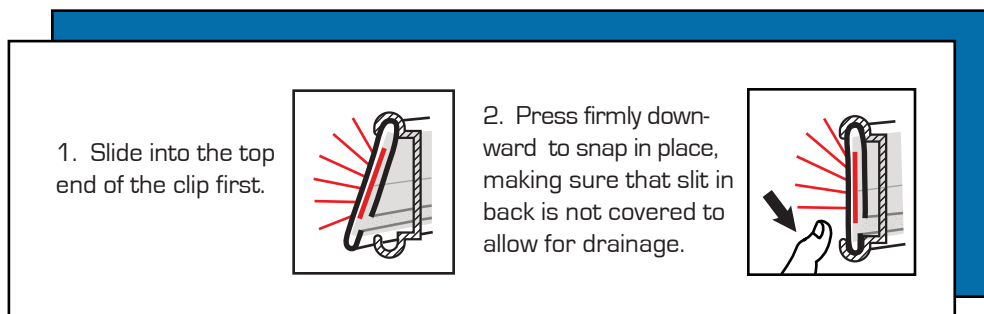
## B. Feed Light Tape<sup>®</sup> From End of Extrusion

- Ensure end of the extrusion is smooth.
- Tape Light Tape<sup>®</sup> to guide stick.
- Slide down track slowly while feeding Light Tape<sup>®</sup>.
- Utilize wheel or core to allow Light Tape<sup>®</sup> to spin freely.



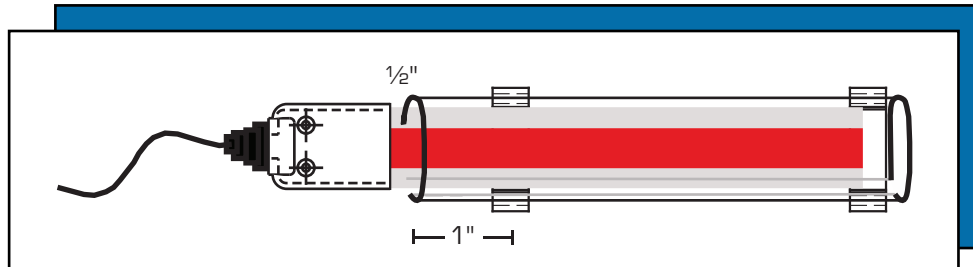
**\*\*IMPORTANT: DO NOT BEND, FLEX OR STRAIN LAMINATION WHEN PLACING LIGHT TAPE<sup>®</sup> INTO EXTRUSION!** It is important not to compromise edge seal.

5. Starting with the power supply end, snap the Mounting Channel into the clips (slot on bottom rear). Be careful not to bend or kink the Light Tape<sup>®</sup> when snapping into place. Be sure that bottom rear slit is not covered, especially when using UltraBond<sup>™</sup> to mount.

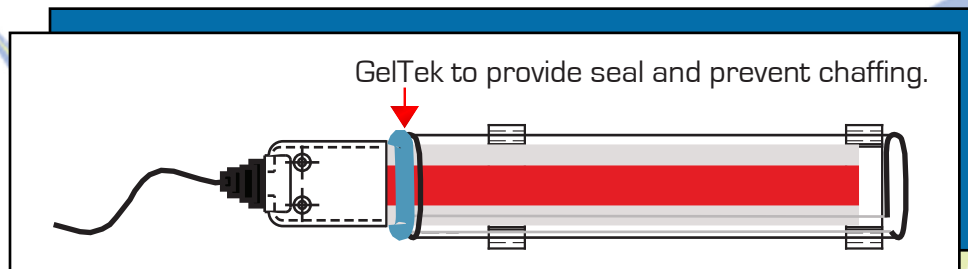




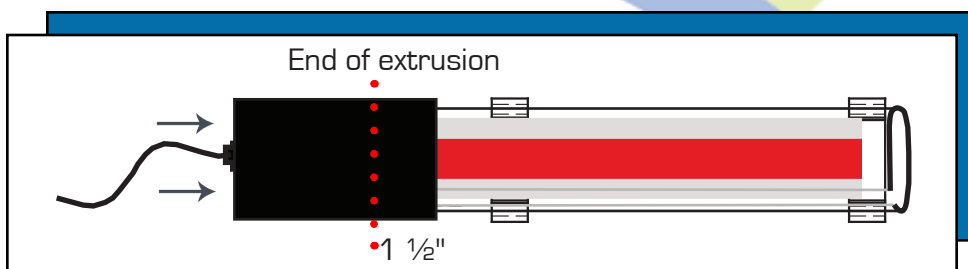
6. Pull the connector end of the lamp out of the extrusion by 1/2". Be sure to check that the side of the connector cap with screw holes is facing away from the structure.



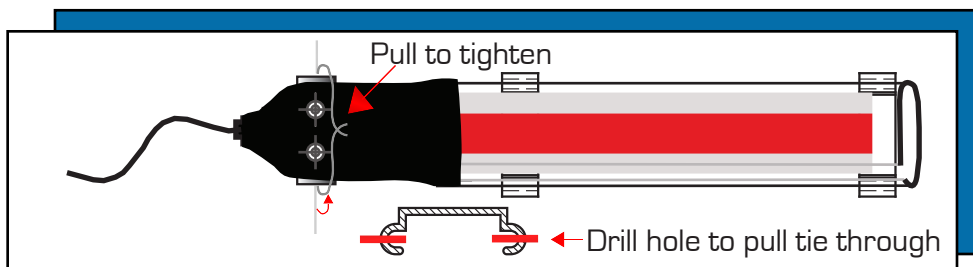
7. Take a 1/2" wide GelTek strip and wrap it around the Light Tape® lamp between the connector cap and extrusion. At this stage, be sure that the short screws are removed from the connector cap. The insulating adhesive material inside will temporarily hold the cap together. If cap is upside down, you will need to drive pilot holes.



8. 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, GelTek strip, and end of the extrusion (1/2" or more). Then, apply heat with a heat gun until a seal is formed around the extrusion and strain relief. Be careful not to overheat Light Tape®.



9. Lastly, take a clip and place under the connector cap. Drill two holes in the side of clip using 1/8" bit. Slide nylon tie through holes. Snug tie to hold connector in place.



\*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.\*