

## Cinema Manual

### INSTALLATION PROCESS - Preparation and Assembly

Please make sure you have all components of system as follows:

- 1) Aluminum extrusion 
- 2) End Caps 
- 3) PVC anti spill protector (covers Light Tape®) 
- 4) Anti slip strip (On top of extrusion) 
- 5) Light Tape connected 

#### IMPORTANT

- When measuring the width of the aluminum extrusions, remember that end caps add 3 1/8" (8 cms) to total width (1 5/8" on each side). If you are preparing a 1mtr step, the aluminum should be cut at 92 cms.
  - The anti slip strip is the last component to be installed once everything is in place, connected and working.
  - Always cut the PVC anti spill protector and anti slip strip a few cms wider than the extrusion. You can cut to final size when assembling.
  - Light Tape can be connected on either end. Just make sure you have the same and correct end for all of the steps on a row before they are installed.
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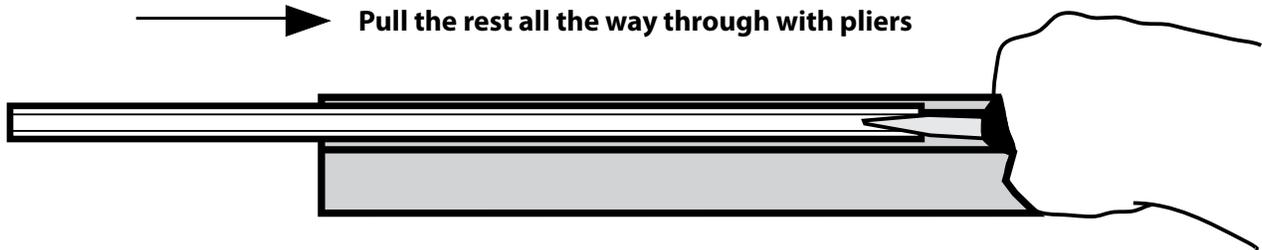
## INSTALLATION PROCESS - Preparation and Assembly

1) Slide the anti-spill PVC into the extrusion channel. First push with your hand, then pull it from the other end with some pliers. Use a cloth on the jaws of the pliers to avoid marking the anti-spill insert. After sliding in place, push on both ends to shrink it to its final size, since pulling it stretches the insert a little bit. Cut the excess material but leave it at least 1/2" (1cm) wider on both ends.

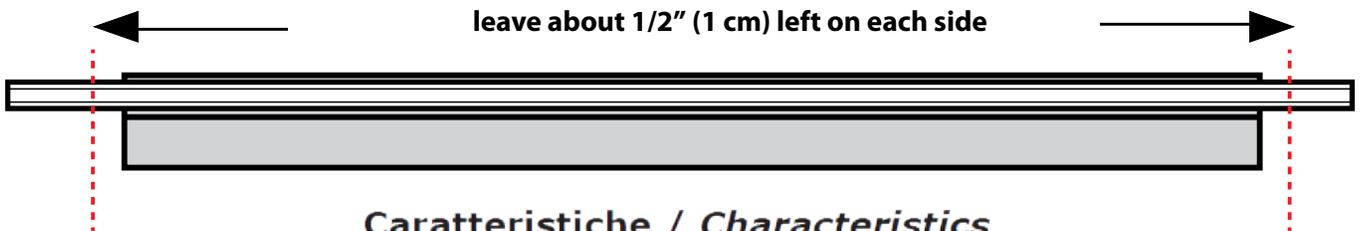
→ Push the first cms with hand



→ Pull the rest all the way through with pliers



← leave about 1/2" (1 cm) left on each side →

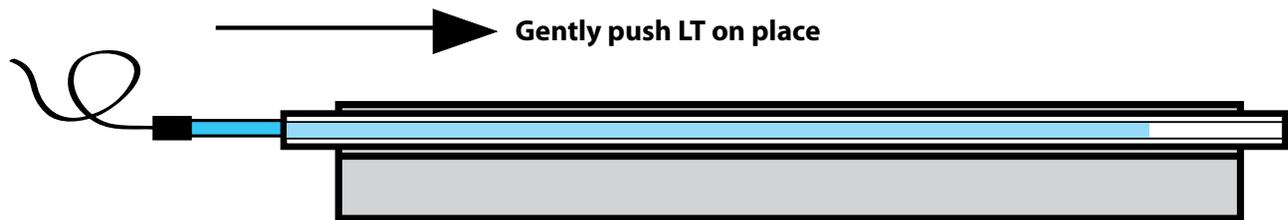


### Caratteristiche / Characteristics

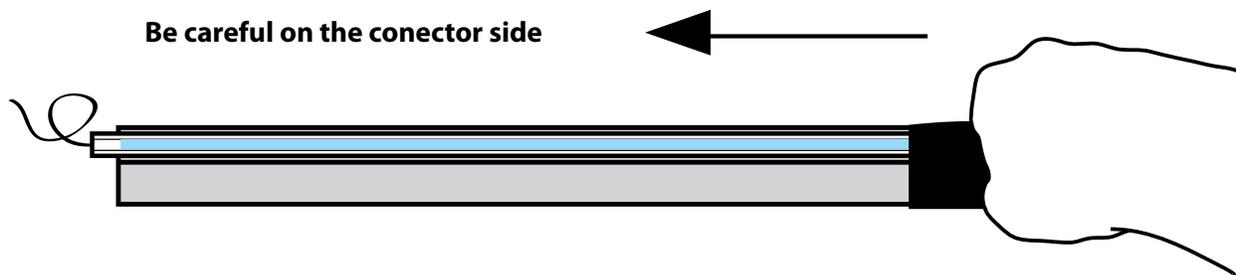


## INSTALLATION PROCESS - Preparation and Assembly

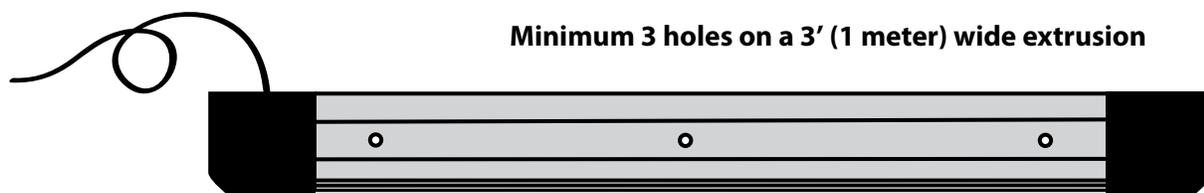
- 2) Install the Light Tape. Apply double sided foam tape such as 1/16" thick VHB to the back of the Light Tape<sup>®</sup>. Slide into the channel on the front of the extrusion.



- 3) Install the End caps, by matching up to the top surface of the extrusion. Then, pull the front of the end cap and slide in.



- 4) Drill the holes on aluminum prior to installation on concrete. This will serve as a guide and to avoid damage to extrusion with concrete drill. On some projects with heavy traffic you can also use an epoxy to stick the extrusion to the floor. This will improve adhesion to the floor.

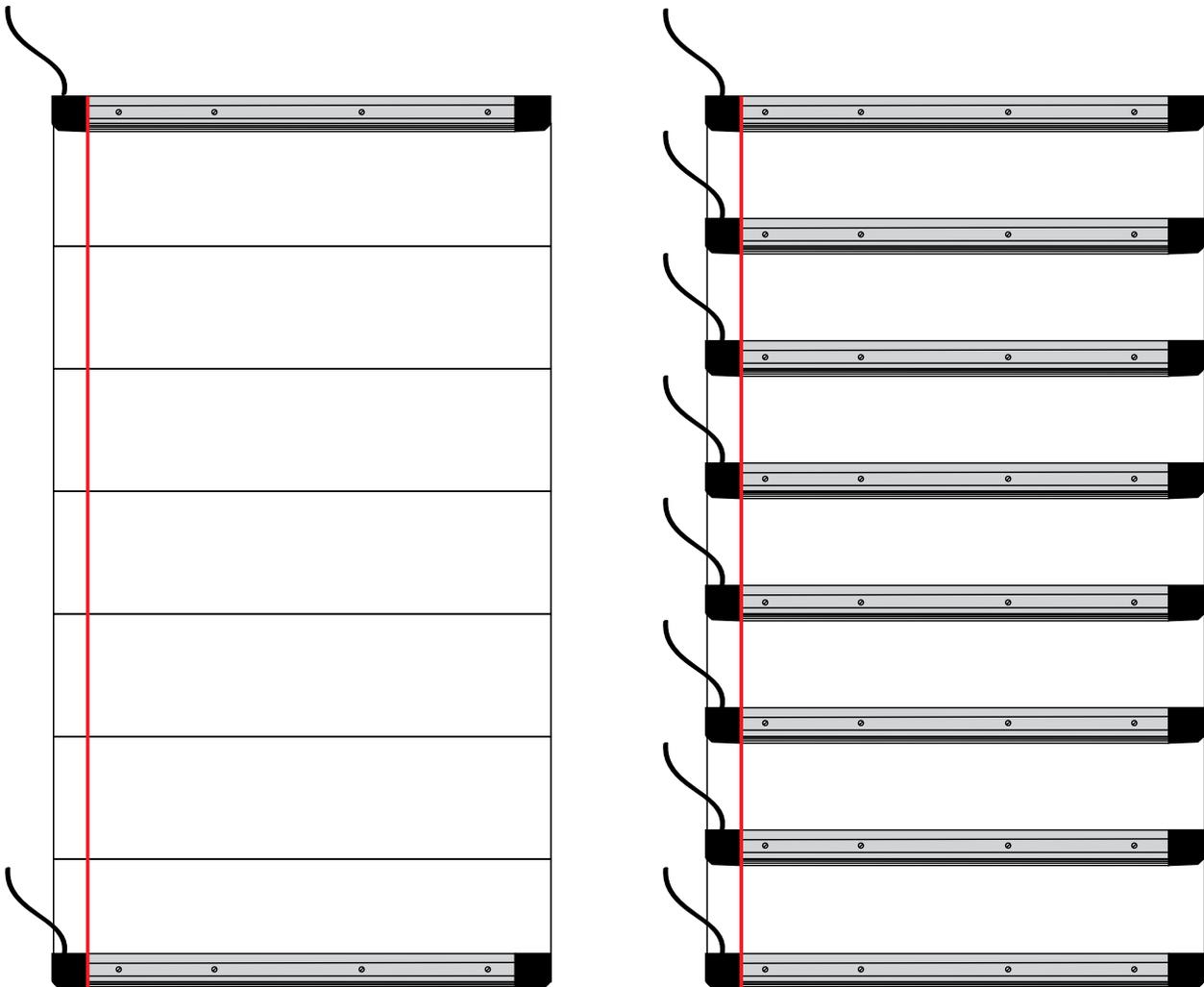


## INSTALLATION PROCESS

### STEP 1

Decide which side of the stairs will have the main power line and make sure all of the extrusions have the connector on that side. Next align the extrusions on the stairs. To do that, place and install the first and the last extrusion as centered as possible, then take a tight string in order to make a straight line between them, taking as a reference the inner part of the end cap, for instance. This is very helpful when steps are not even or wider than the extrusions. It is not a good idea to install the extrusions taking the edge of the steps as a reference because they are frequently not even. Now you can start installing extrusions one by one.

**IMPORTANT:** Determine which side of the step will have the power line. All connectors must face that side.

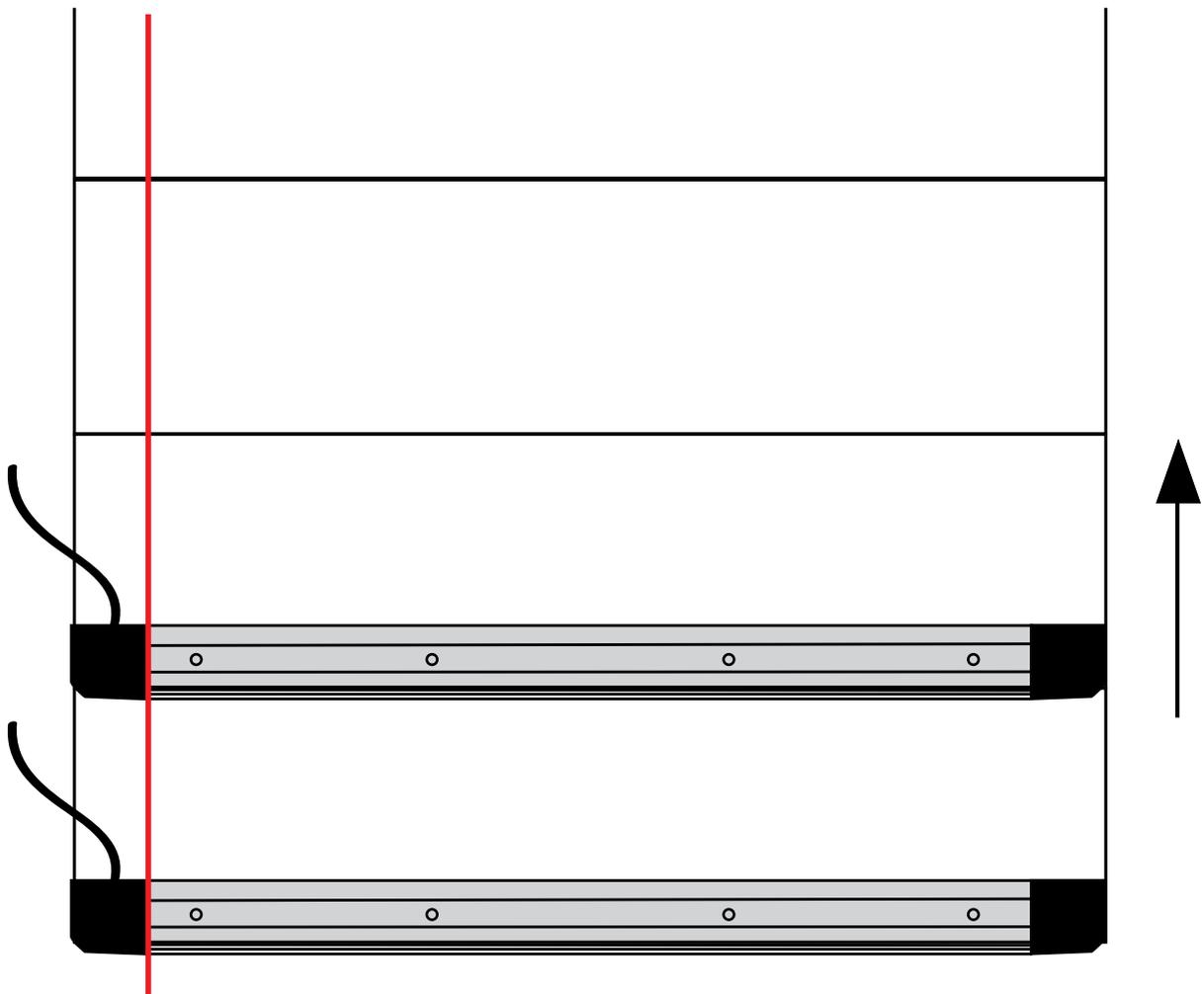


## INSTALLATION PROCESS

### STEP 2

Drill holes through the aluminum extrusion in the channel for the anti-slip insert. Use the appropriate screws for the flooring material. Now you can start drilling through the pre-made holes of aluminum on to the floor. Make sure you use good pressure on extrusion against the edge of the step when making holes on concrete so it will be tight when in place. The extrusions can be installed directly on concrete through the carpet. A screw should be placed about 3-4 inches (8 cms) from each edge and every 12" (30 cms) across the extrusion.

**IMPORTANT:** Some carpet can be damaged by the drill when making holes, as the fibers can get stuck on the drill. First try one hole and if that happens, you can burn/melt a hole on carpet with a soldering iron. Then you can drill into the concrete. Starting from the top of the stairs and working down makes it easier to monitor progress.



## INSTALLATION PROCESS

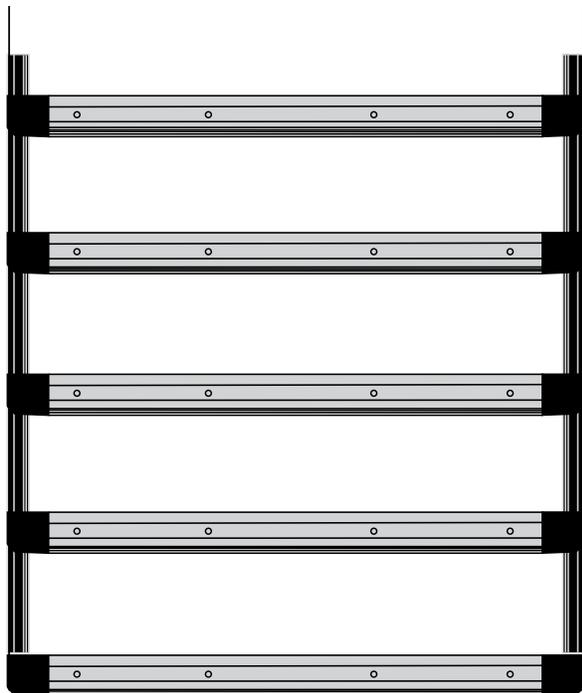
### STEP 3

After all extrusions are installed, remove the line/string and begin installation of wiring channel. The wiring channel should be cut with a manual, or electrical miter saw and assembled with screws to the floor.

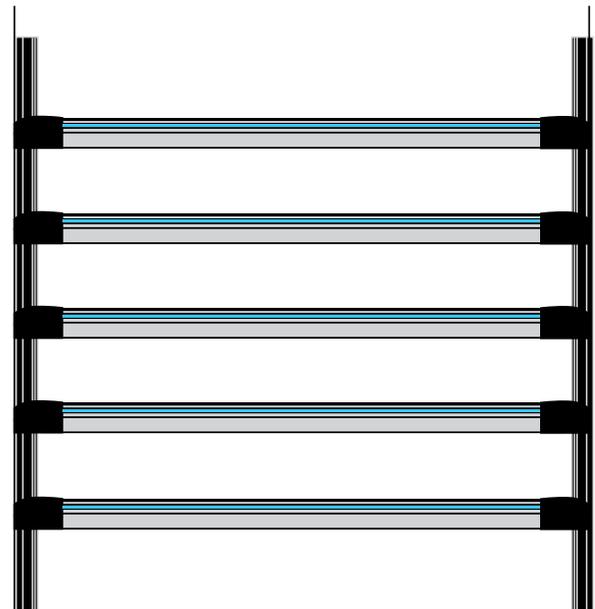
**IMPORTANT:** All connectors should be on the same side of the stairs, similar to the extrusion. Wiring channel is only necessary on one side. However, some prefer to have a wiring channel on both sides of the stairs.

*Please refer to 3D view on next page for full detail.*

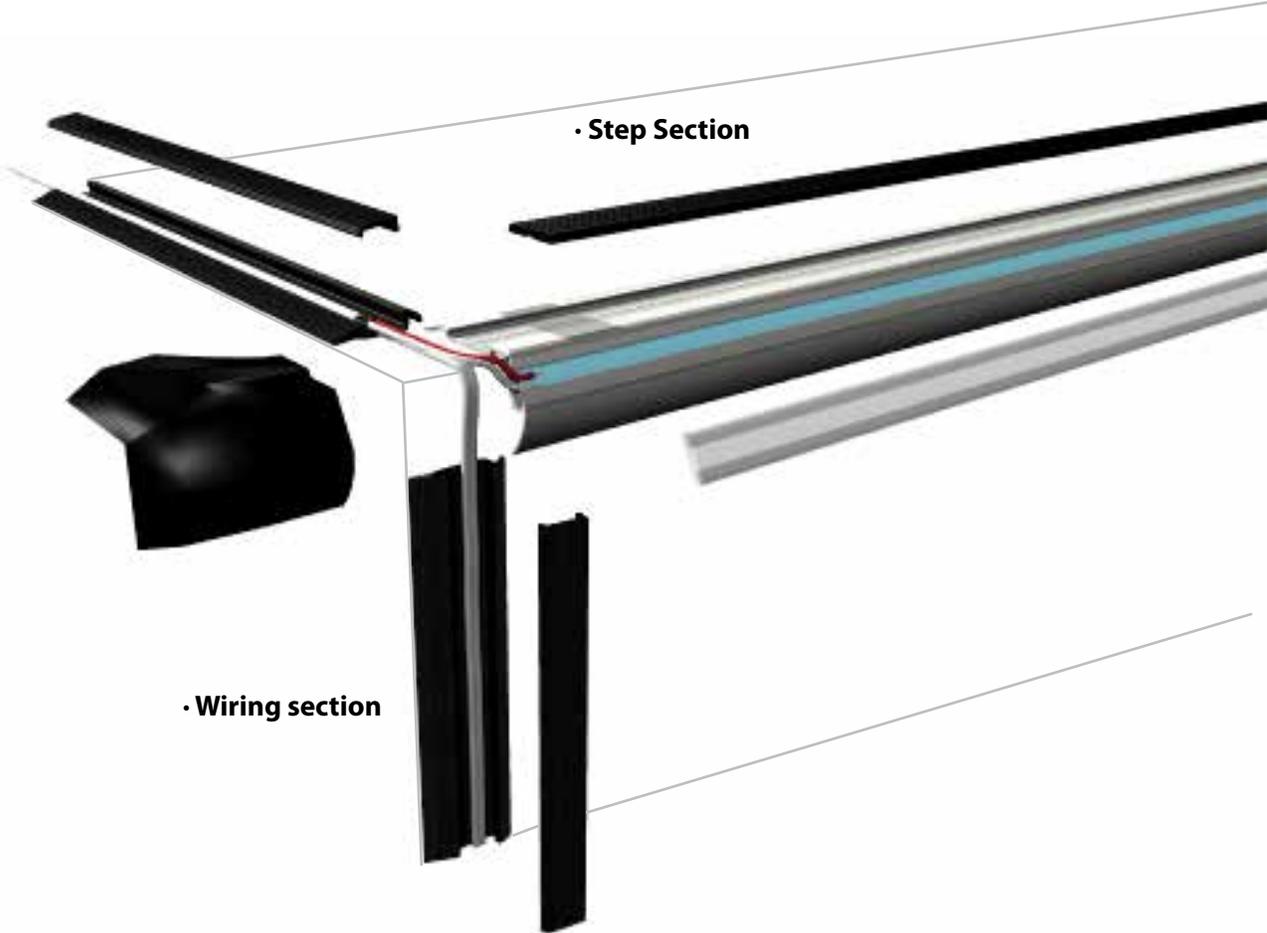
**Top View**



**Front View**



## DETAIL OF CHANNEL INSTALLATION AND WIRING



## WIRING DIAGRAM ON THEATERS

