

**Models:** Extrusion Angle Light Body . . . P/N: L-XANG  
 Extrusion Curve Light Body . . . P/N: L-XCRV  
 Extrusion Round Light Body . . . P/N: L-XRND  
 Extrusion Square Light Body . . . P/N: L-XSOR

# INFINEX Installation Instructions

## How to Assemble Extrusion LEDs

**Optional:** Accessories available.

Patent Pending

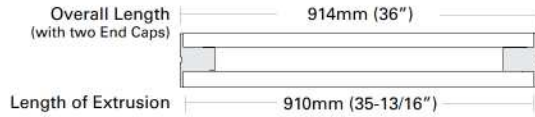
12VDC Dimmable

**READ ALL INSTRUCTIONS BEFORE INSTALLING SYSTEM.**  
**Follow all OSHA safety regulations when operating machinery.**

Note: "How to Instructions" using Curve Extruded profile for illustration examples.

### Step 1: Determine overall length of Extrusion

Extrusion length is overall length of Light Fixture minus approximately 5mm (3/16") when you take into account the two End Caps.



### Step 2: Cut Extrusion to Length along with Diffuser

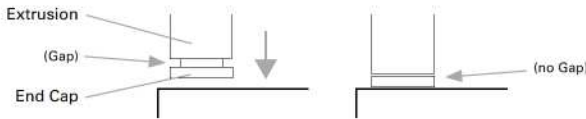
Aluminum Extrusions can be cut on a variety of equipment. For the best performance and longest life, use a saw blade designed for non-ferrous, thin stock, on your miter saw. It is also highly recommended to cut Extrusion with Diffuser installed securely attached via clamps, tape, stretch wrap etc., to prevent unwanted cracking of Diffuser. After cutting, remove Diffuser from Extrusion.

After Extrusion is cut, make sure aluminum is clean and free of any debris. Check cut ends and deburr if needed.



### Step 3: Place End Caps on Extrusion

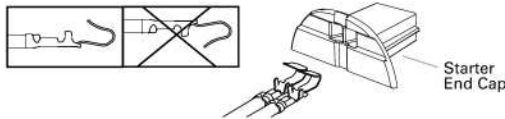
End Caps are designed with tapered ribs that crush to ensure a snug fit. They can only be partially installed by hand. To fully install, insert End Caps into Extrusion then place Extrusion in vertical position on a flat surface or table top and push down on End Caps until there are no gaps.



Once fully seated, REMOVE the Starter End Cap only (the end cap with wire cavities) for later installation steps. Clean off any small plastic scrapings that were created.

### Step 4: Install Starter Cord into Starter End Cap

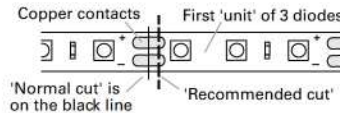
When installing Starter Cord wires into Starter End Cap, make sure spring terminals on wires are facing up (i.e. facing same direction as light fixture).



Insert springs until you hear and feel a 'click'. If you are unsure if springs are seated properly, give the wires a slight tug to see if they slide out. When properly mounted, no part of the metal terminal with spring should be exposed.

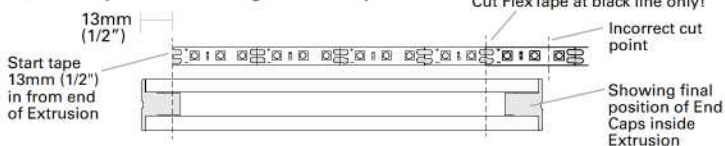
### Step 5: Cut FlexTape

On the roll of FlexTape, it is recommended to cut off the first 'unit' of (3) diodes in such a way so that the copper contacts have more surface area to insert into the Starter End Cap (see illustration). A 'normal cut' at the black line would leave 50% of the copper contact to insert into the Starter End Cap, while the 'recommended cut' would leave more than 75% of the copper contact for inserting.

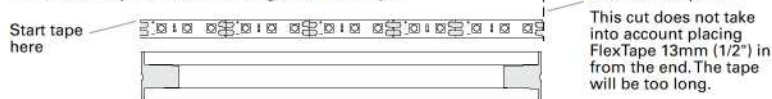


Next unroll length of FlexTape to match length of Extrusion, then position starting end of FlexTape so it lines up with start of Extrusion, but placed 13mm (1/2") inside the edge. Cut other end of FlexTape at its black line marking, closest to, but inside the end of the Extrusion (see illustration).

#### Correct way to measure length of FlexTape



#### Incorrect way to measure length of FlexTape



**IMPORTANT:** If using magnets for mounting, make sure magnets are placed into bottom channel of Extrusion **before** installing Starter End Cap. (also see Step 9B)

**IMPORTANT:** If using screws as a mounting option on Curve or Square fixtures, mount with screws **before** FlexTape is adhered. (also see Step 9C)

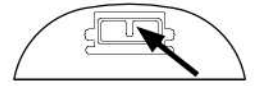
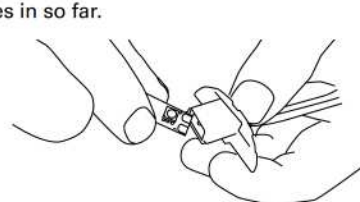
### Step 6: Starter End Cap Installed with FlexTape

There are two ways to install the Starter End Cap. Read both ways first to decide best method.

**Option 6A).** Install FlexTape into Starter End Cap first, then install End Cap into Extrusion, or ...

**Option 6B).** Install Starter End Cap into Extrusion first, then install FlexTape.

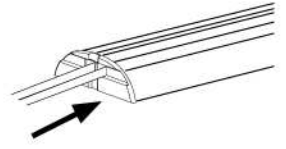
**Option 6A).** To install FlexTape into Starter End Cap, peel back approximately 50mm (2") of backing on the tape and fold it back flat onto itself and out of the way. Make sure you have clean hands and avoid touching exposed adhesive backing (see illustration). Adhere the 25mm (1") plastic tape guide provided with end cap pack to backside of start of tape. Take end of tape and place corner into End Cap and then as you push in, rock other corner into End Cap. There is a built-in stop, so the tape only goes in so far.



Make sure tape slides into bottom of End Cap opening, below small divider tab that separates the two cavities for the wire springs.

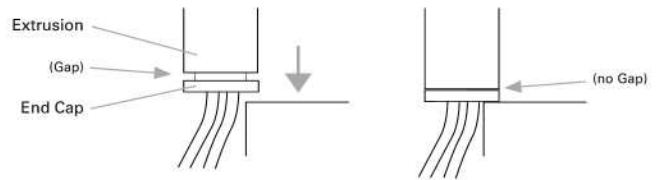
The springs and the tape adhesive help to hold tape in position.

Next insert Starter End Cap into Extrusion.



If the End Cap is not seated completely into the Extrusion ...

1. Hold tape in position within Extrusion, then ...
2. Place end of Extrusion on a flat surface or table top in a vertical position and push down on End Cap until there's no gap. Make sure **not** to press down on the Starter Cord wires.



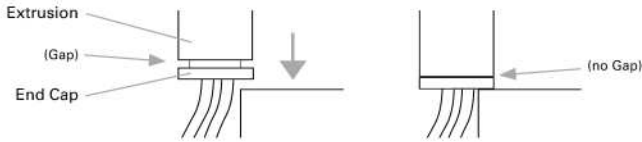
To continue Option 6A, See 'Step 7'  
 (continued on page 2)

Save these instructions for future reference.

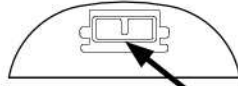
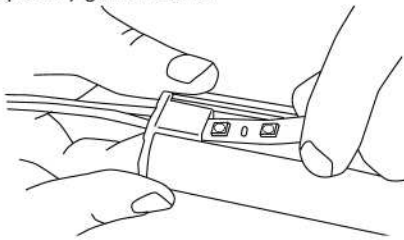
**Option 6B).** First, install Starter End Cap (with Starter Cord attached) into the Extrusion.



If the End Cap is not seated completely into the Extrusion, place end of Extrusion on a flat surface or table top in a vertical position and push down on End Cap until there's no gap. Make sure **not** to press down on the Starter Cord wires.



To install FlexTape into End Cap, peel back approximately 50mm (2") of backing on the tape and fold it back flat onto itself and out of the way. Make sure you have clean hands and avoid touching exposed adhesive backing (see illustration). Adhere the 25mm (1") plastic tape guide provided with end cap pack to backside of start of tape. Hold tape by its sides and push into End Cap. There is a built-in stop, so the tape only goes in so far.



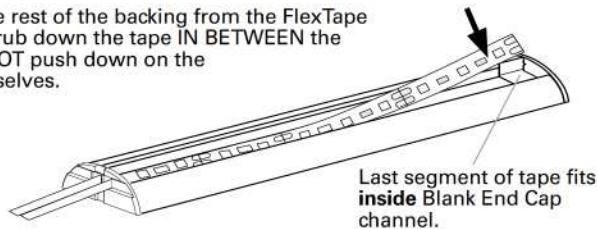
Make sure tape slides into bottom of End Cap opening, below small divider tab that separates the two cavities for the wire springs.

To continue Option 6B, See 'Step 7'

### Step 7: Complete FlexTape Installation

Push down on first 25 to 50mm (1 to 2") of tape into Extrusion and adhere it to the aluminum.

Remove the rest of the backing from the FlexTape and firmly rub down the tape **IN BETWEEN** the LEDs, do **NOT** push down on the LEDs themselves.



Last segment of tape fits **inside** Blank End Cap channel.

**IMPORTANT:** If using screws as a mounting option on Curve or Square fixtures, mount with screws **before** FlexTape is adhered.

## IMPORTANT SAFETY INSTRUCTIONS

**CAUTION:** To reduce the risk of fire, electric shock, or injury to persons:

- Tresco® 60W Class 2 12V DC Power Supply powers up to: 12.2m (40') of Extrusion SO; max. single continuous run should not exceed 6.1m (20'). 6.1m (20') of Extrusion HO; max. single continuous run should not exceed 4.9m (16'). 4.0m (13') of Extrusion VHO; max. single continuous run should not exceed 4.0m (13').
- Tape LED strip is replaceable. Single LEDs are not replaceable.
- LED lights are bright. Do not look directly at lights.
- Not intended to be used in damp locations or outdoor areas.
- Not intended for recessed installation in ceilings or soffits.
- Do not conceal 120V Power Cord or Power Supply inside a wall, ceiling, soffit, or similar permanent structure, unless consulting a licensed electrician.
- Use only insulated staples or plastic ties to secure ALL loose cords.
- Route and secure cords so that they will not be pinched or damaged when the cabinet is pushed to the wall.
- A licensed electrician should be consulted for wiring through ceilings, soffits, or walls. All wiring must follow NEC regulations.
- This portable lamp has a polarized plug on the Power Supply Cord (one blade is wider than the other) as a feature to reduce the risk of electric shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use with an extension cord unless plug can be fully inserted. Do not alter the plug.

This light is intended to be used as a cabinet light on wood, particle board or other structurally sound, heat resistant surface. Care should be taken during and after installation to avoid contact of light with wiring, cord, or any combustible material.

### Step 8: Mounting Light Fixture

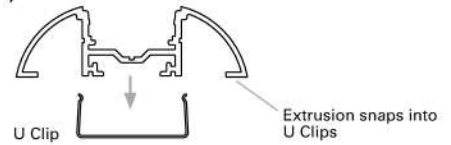
Tresco® Extrusion Lights can be mounted with **three different options** depending on the Extrusion profile selected.

*Note: Mounting hardware option is chosen when ordering light fixture.*

**A). U Clips** - to be equally spaced up to 508mm (20").

- Drill (2) 1.5mm (1/16") pilot holes in mounting surface for screws.
- Install (2) U Clips with screws, then snap light into U Clips.

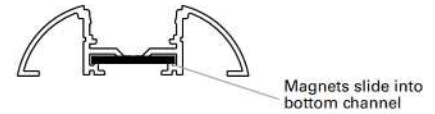
*Note: U Clip mounting option is applicable to Curve, Square or Round extrusion profiles only.*



**B). Magnets** - to be equally spaced up to 356mm (14").

**Important:** Magnets should be pre-installed into bottom channel of Extrusion prior to installing the finishing Starter End Cap during Step 6.

*Note: Magnet mounting option is applicable to Curve or Square extrusion profiles only.*



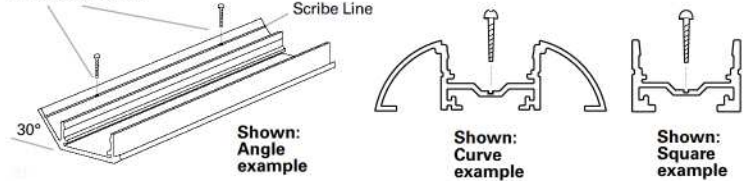
**C). Screws** - (screws not provided)

*Note: Screw mounting option is applicable to Angle, Curve or Square extrusion profiles only.*

- Drill pilot holes inside center scribe line of Extrusion (hole size based on screw size chosen by installer).

**Important:** Curve and Square fixtures must be mounted with screws before FlexTape is adhered.

Drill then screw into center scribe line on extended arm.

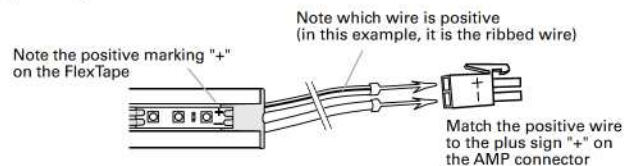


### Step 9: Connecting Light Fixture to Power Supply

Make note of the positive (+) markings on the FlexTape. If the (+) markings on the tape corresponds to the "ribbed" wire on the Starter Cord, then the ribbed wire is positive and non-ribbed wire is negative (*or vice versa*).

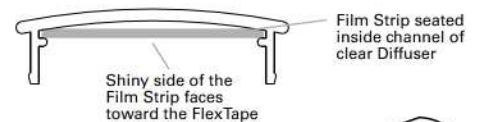
When you add the AMP connector to the other end of the Starter Cord, remember the polarity of the two wires and match them to the markings on the AMP connector, (+) to (+) and (-) to (-).

Then snap AMP connector into the Mounting Block of the Power Supply (sold separately).



### Step 10: Film Strip (optional)

If a Clear Diffuser is chosen, an optional diode-blending Film Strip can be installed to help spread the light (so diodes do not appear as 'dotted'). If desired, install Film Strip by sliding into the channel of Diffuser.



### Step 11: Add Diffuser

Final step, snap Diffuser into place on Light Fixture.

