

## SAFETY INFORMATION

**WARNING:** Do not connect directly to high voltage power (120V-277V). Use only with 24V DC hardwire or plug-in power supply. Factory warranty will be void if used otherwise.

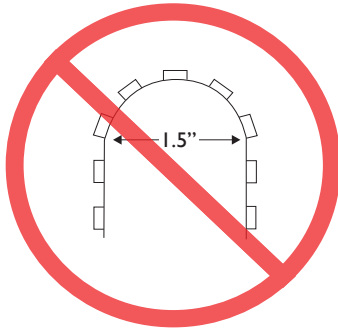
- Read complete instruction.
- These products may represent a potential shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, local electrical codes and the National Electric Code (NEC).
- Do not energize LED tapelight when rolled up in its spool.
- Uncoated products are intended for indoor use in dry locations. Coated products are intended for outdoor use or in damp/wet locations. Refer to product spec sheet for location ratings.
- Do not use if there is any damage to the unit or to the wiring/insulation. Inspect periodically.
- Do not route cords or LED tapelight through walls, doors, windows or any similar part of a building structure.
- Do not secure LED tapelight or its power cord with staples, nails, or any other sharp objects that may cause damage.
- Do not install LED tape closer than 6" to combustible material.
- Ensure proper gauge wires are installed between Power Supplies, Controls & LED tapelight to avoid voltage drop.
- Ensure applicable wires are in compliance with local codes (In-wall rated, wet-location, high temperature, etc.).
- Recommended load for power supplies is 80%.

## ✓ required components to complete installation

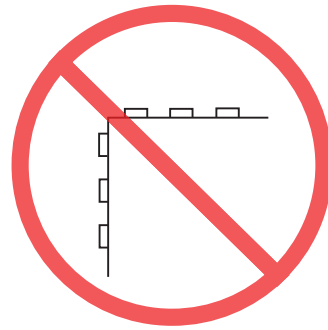
- LED Tapelight
- Connectors (if applicable)
- Extrusion / Lens
- Mounting clips
- 24V DC Power Supply



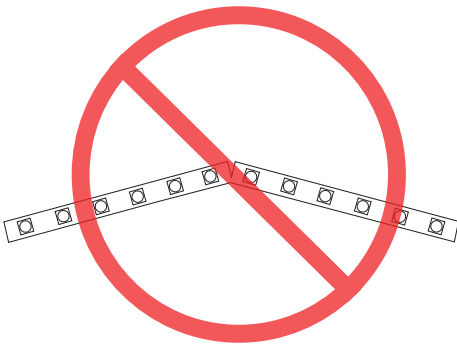
## Tapelight DO-NOT basics



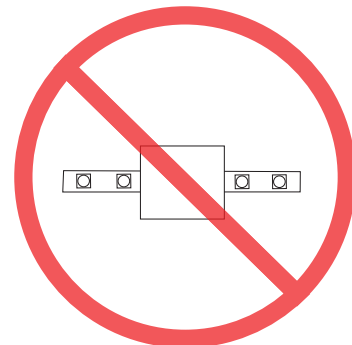
1.5" MINIMUM BEND RADIUS



DO NOT FOLD OR CREASE  
LED TAPELIGHT



DO NOT BEND LED  
TAPELIGHT SIDE TO SIDE



DO NOT COVER LED  
TAPELIGHT OR APPLY EXCESS  
PRESSURE TO LED TAPE



## Assemble Parts Together

**1**

**INSTALLATION NOTES:**

- Review all parts and quantities to confirm if all necessary parts are available.
- LED tapelight can only be cut at specific points. It is essential to dryfit your entire assembly to the cut point of your LED tapelight before routing/cutting out the mounting surface.

**CAUTION:** Use proper safety equipment when making any modification to parts.

1.1 If necessary, extrusion and lens can be cut on-site, using the proper equipment that cuts aluminum. Carefully cut to the desired length followed by cleaning off any material left after the cut.

1.2 Remove the lens from inside the extrusion, followed by cleaning the inside of the extrusion from any debris.

**2**

**INSTALLATION NOTES:**

- If using endcap with hole for the powerfeed, disregard this step.
- Prior to making any holes to the extrusion, determine what side of the extrusion would need the wire leads.

2.1 Make a 1/5" hole, 1/4" from the of the end extrusion. This hole will later be used to run the LED tapelight powerfeed wires.

**3**

**INSTALLATION NOTES:**

- Make sure not to cut the side of the tapelight with lead wires.

3.1 If shortening the LED tapelight, cut along the labeled cut marks that are between the solder pads using utility shears.

3.2 Insert the power feed cables through the hole.

3.3 Remove the red adhesive backing from the LED tapelight, then carefully apply the LED tapelight to the inside of the extrusion.

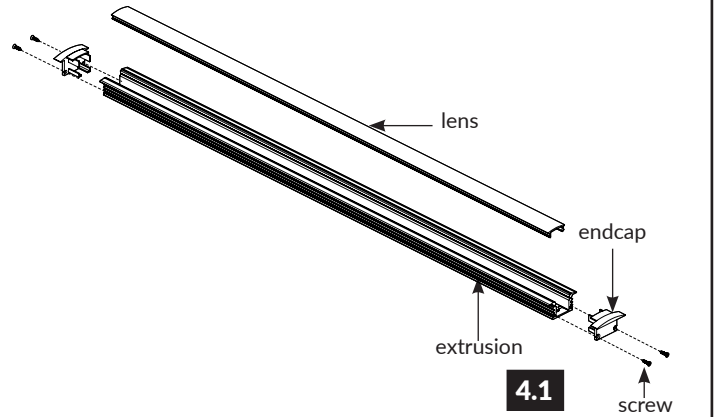
## Fixed Mounting Clip Installation

**4**

**INSTALLATION NOTES:**

- Skip to step 6 if using spring mounting clips.

4.1 Carefully snap the lens into the top of the extrusion. Align each endcap to the end of the extrusion then secure using the 2 provided screws.



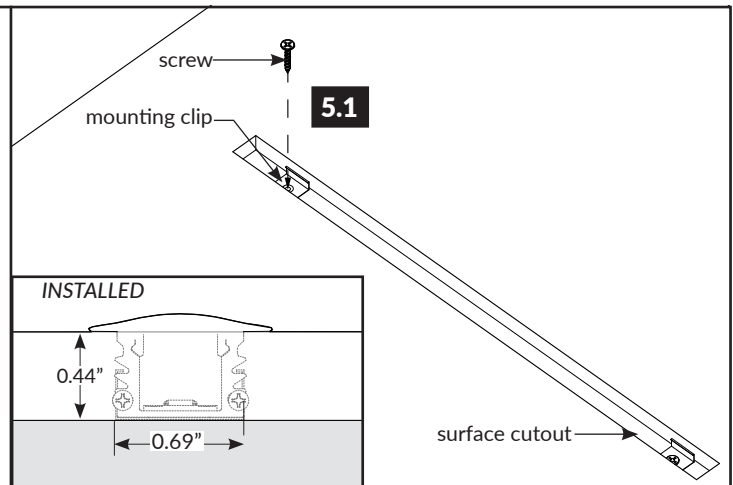
**5**

**INSTALLATION NOTES:**

- Pre-install wood blocking for the extrusion to sit properly into the surface cavity.
- Make sure the remote power supply wires are near enough to connect later with the LED tapelight.

5.1 From the inside the surface cutout, install the mounting clips 1" from each end. Secure the mounting clips to the surface with the appropriate hardware. If the extrusion is over 36" add a third mounting clip.

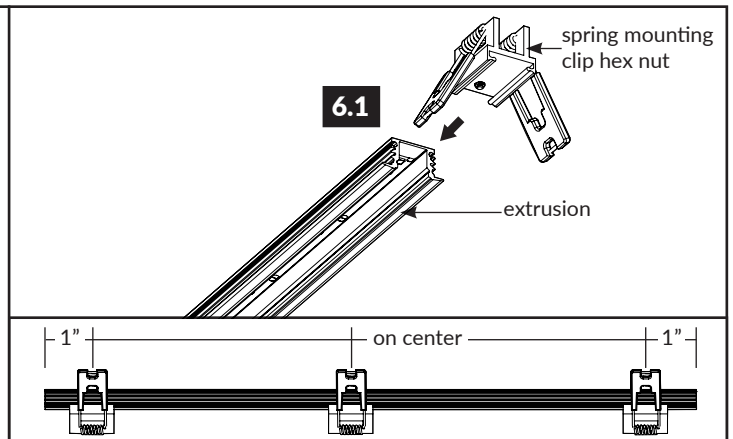
5.2 Run the fixture powerfeed cables to the 24V DC power supply. Align the extrusion to the mounting clips, then snap into the clips to secure the extrusion into place. For additional information reference the power supply instruction. General wiring diagram on page 6.



## Spring Mounting Clip Installation

**6**

6.1 Loosen the set screw on the spring mounting clip. Lift the springs on clip then insert into the center of the extrusion slide to 1" from the end. Then secure by tightening the set screw. Repeat this step for any remaining clips, reference diagram for additional information. If extrusion is over 36" add a third mounting clip.



## Spring Mounting Clip Installation

**7**

7.1 Carefully snap the lens into the top of the extrusion. Align each endcap to the end of the extrusion then secure using the 2 provided screws.

**7.1**

**8**

8.1 Reference the dimensions to make the surface cutout.

**8.1**

**9**

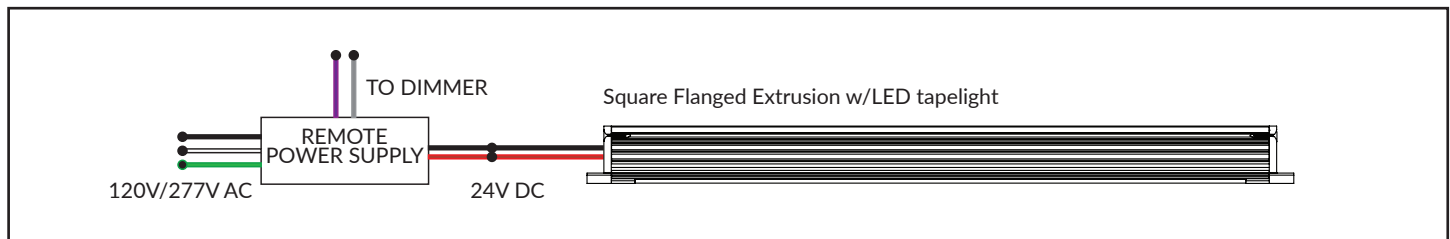
9.1 Run the fixtures powerfeed cables to the 24V DC power supply, for additional information reference the power supply instruction. Bend the spring mounting clips back, then insert into the surface slot. Then release clips to secure fixture in place.

**9.1**

## Low Voltage Wire Gauge Chart

24V DC Voltage Drop and Wire Length (ft.) Distance Chart													
Power (W)	10W	20W	30W	40W	50W	60W	70W	80W	90W	100W	110W	120W	
Wire Gauge	#18	189'	94'	63'	47'	38'	31'	27'	24'	21'	19'	17'	16'
	#16	300'	149'	100'	76'	60'	50'	43'	37'	33'	30'	27'	25'
	#14	478'	238'	159'	120'	95'	79'	68'	60'	53'	48'	43'	40'
	#12	753'	274'	250'	189'	150'	125'	108'	94'	83'	75'	68'	63'
	#10	1205'	599'	400'	303'	240'	200'	172'	150'	133'	120'	109'	100'

### Typical Wiring Diagram - Static Color



### Typical Wiring Diagram - Dynamic Color

