

## SAFETY INFORMATION

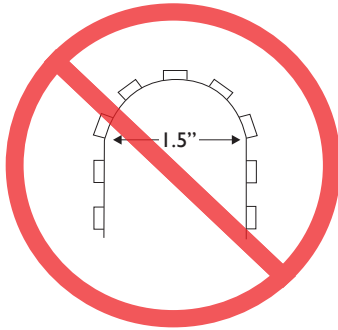
**WARNING:** Do not connect directly to high voltage power (120V-277V). Use only with 24V DC hardwire or plug-in power supply. Factory warranty will be void if used otherwise.

- 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%.

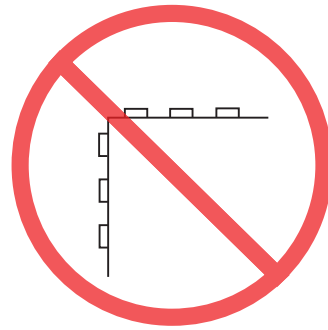
## ✓ required components to complete installation

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

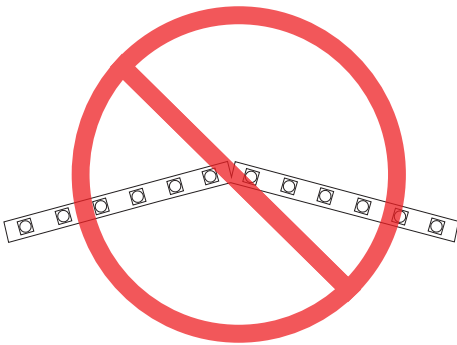
## Tapelight DO-NOT basics



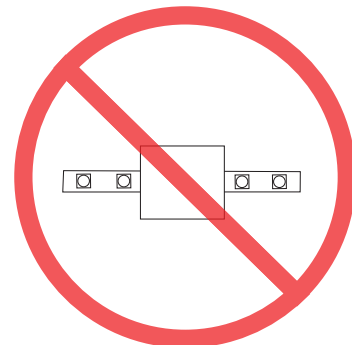
1.5" MINIMUM BEND RADIUS



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 the parts and quantities to confirm if all the 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 the proper safety equipment when making any modification to the 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 of the extrusion, followed by cleaning the inside of the extrusion from any debris.

**1.1** hacksaw or miter saw

**1.2** extrusion lens louver

**2**

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

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

**INSTALLATION NOTES:**

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

**2.1**

LED tapelight

**2.2**

extrusion

**3**

3.1 Carefully snap the lens and louver into the top of the extrusion. Then, slide the endcaps into the extrusion to secure.

**INSTALLATION NOTES:**

- Slide the endcap carefully through the power feed. Do not pull excessively on the power feed wires which can rip from the LED tapelight.

**3.1**

louver

lens

extrusion

endcap

**INSTALLED**

## Assemble Parts Together

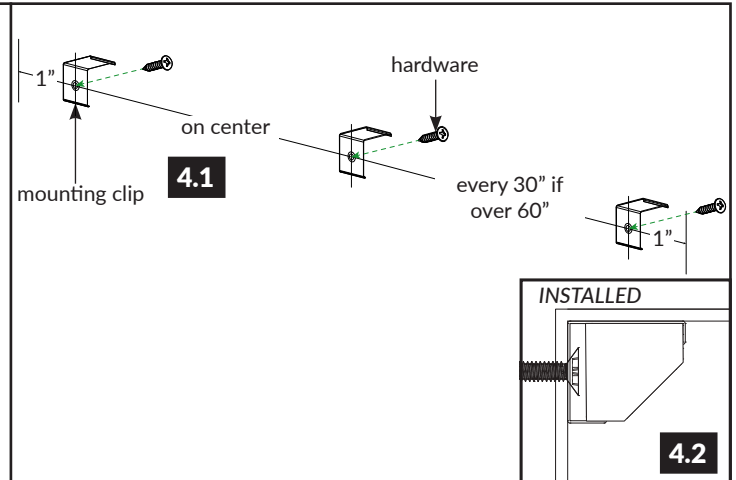
**4**

**INSTALLATION NOTES:**

- Mounting clips are needed 1" from each end of the extrusion followed by one on center. If the extrusion is over 60", install the mountings clips every 30".

4.1 Align the mounting clips to the surface and secure using the appropriate hardware. *Mounting Clips should be installed inbetween two surfaces at 90° to sit properly.*

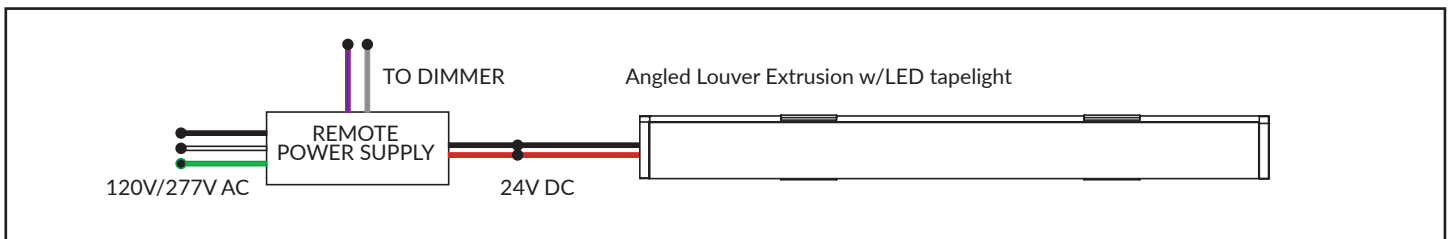
4.2 Snap the extrusion into the mounting clips to secure in place.



### Low Voltage Wire Gauge Chart

24V DC WIRE GAUGE AND WIRE LENGTH (FT.) DISTANCE CHART							
TOTAL LOAD (W)	#10 AWG	#12 AWG	#14 AWG	#16 AWG	#18 AWG	#22 AWG	#24 AWG
20W	433 ft	272 ft	171 ft	107 ft	68 ft	27 ft	17 ft
40W	216 ft	136 ft	86 ft	54 ft	34 ft	14 ft	8 ft
60W	144 ft	91 ft	57 ft	36 ft	23 ft	9 ft	6 ft
80W	108 ft	68 ft	43 ft	27 ft	17 ft	7 ft	4 ft
100W	87 ft	54 ft	34 ft	21 ft	14 ft	5 ft	3 ft
120W	72 ft	45 ft	29 ft	18 ft	11 ft	5 ft	3 ft
140W	62 ft	39 ft	25 ft	15 ft	10 ft	4 ft	2 ft
160W	54 ft	34 ft	21 ft	13 ft	8 ft	3 ft	2 ft
180W	48 ft	30 ft	19 ft	12 ft	8 ft	3 ft	2 ft
200W	43 ft	27 ft	17 ft	11 ft	7 ft	3 ft	2 ft
220W	39 ft	25 ft	15 ft	10 ft	6 ft	3 ft	2 ft
240W	36 ft	23 ft	14 ft	9 ft	6 ft	2 ft	1 ft
260W	33 ft	21 ft	13 ft	8 ft	5 ft	2 ft	1 ft
280W	31 ft	19 ft	12 ft	8 ft	5 ft	2 ft	1 ft
300W	29 ft	18 ft	11 ft	7 ft	5 ft	2 ft	1 ft

### Typical Wiring Diagram - Static Color



### Typical Wiring Diagram - Dynamic Color

