

SAFETY INFORMATION

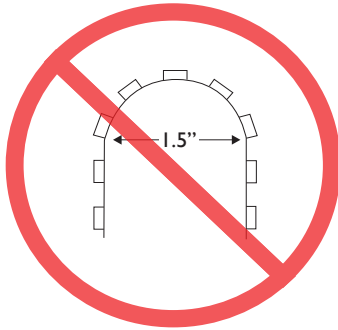
WARNING: Do not connect directly to high voltage power (120V-277V). Use only with 24V DC hardwire or plug-in power supply. Factory warranty will be void if used otherwise.

- 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%.

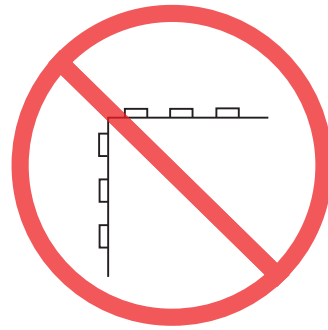
✓ required components to complete installation

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

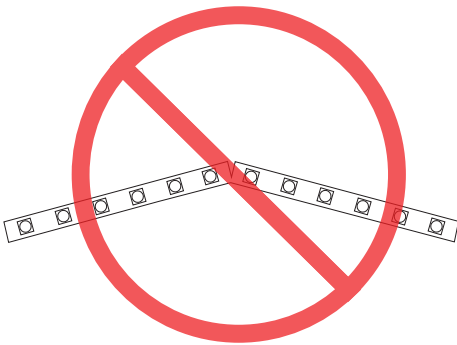
Tapelight DO-NOT basics



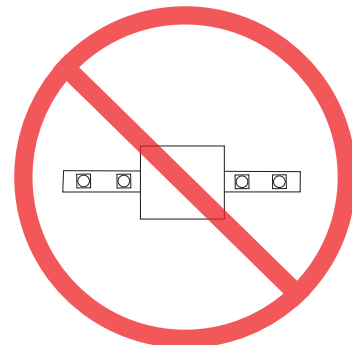
1.5" MINIMUM BEND RADIUS



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.

Assemble Parts Together

4

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

INSTALLATION NOTES:

- Install the lens before mounting. If this is not possible, apply no vertical pressure on the extrusion when installing the lens. Support the bottom of the extrusion while installing the lens.

lens

4.1

endcap

screw

INSTALLED

5

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 mounting clips every 30".

5.1 Align the mounting clips to the surface and secure using the appropriate hardware.

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

5.3 Connect the fixtures power feed cables to the 24V DC power supply, for additional information reference the power supply instruction.

5.1

mounting clip

screw

5.2

INSTALLED

Joining Fixture Sections Together

6

INSTALLATION NOTES:

- Remove the endcap and carefully lift the lens to properly install the joiners.

6.1 If joining multiple fixture sections together, insert half of the joiner into one of the fixture sections. Followed by inserting the other half of the joiner into the other fixture section. Then secure by tightening all the set screw of the joiner. Repeat this step for any other joining sections.

fixture 1

6.1

joiner

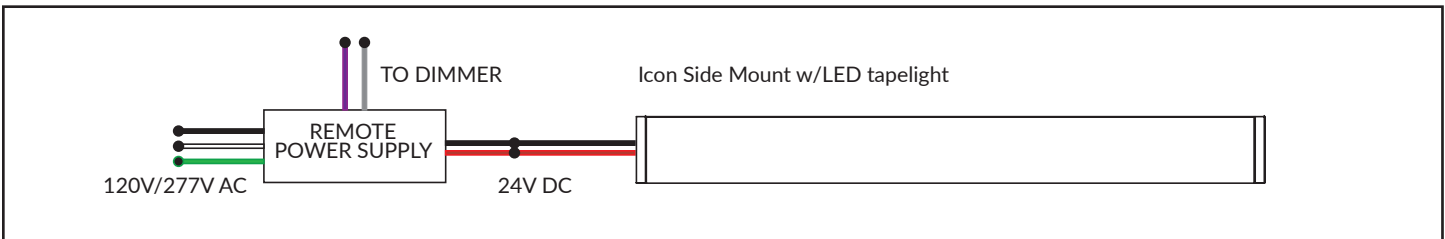
fixture 2

INSTALLED

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

