

SAFETY INFORMATION

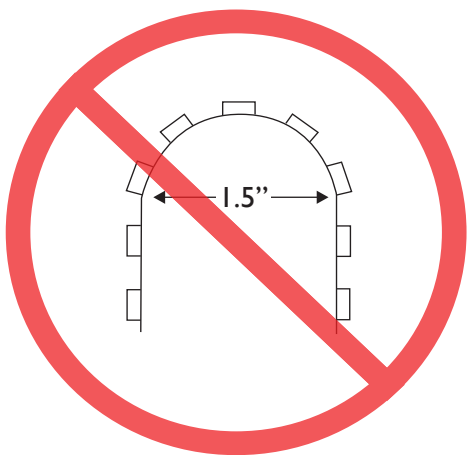
WARNING: Do not connect directly to high voltage power (120V-277V). Use only with 24V DC hardwire or plug-in power supply. Factory warranty will be void if used otherwise.

- 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 tapelight 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%.

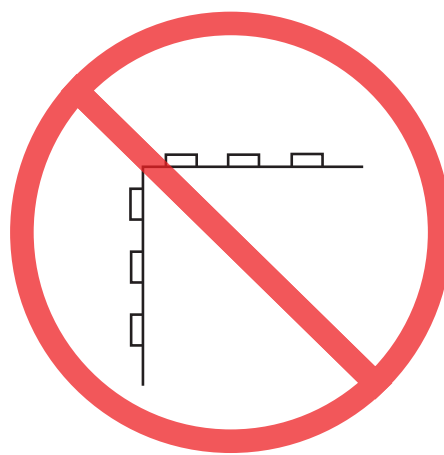
✓ required components to complete installation

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

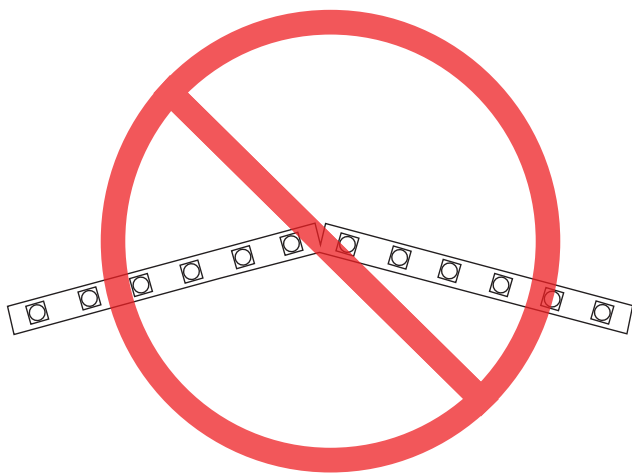
Tapelight DO-NOT basics



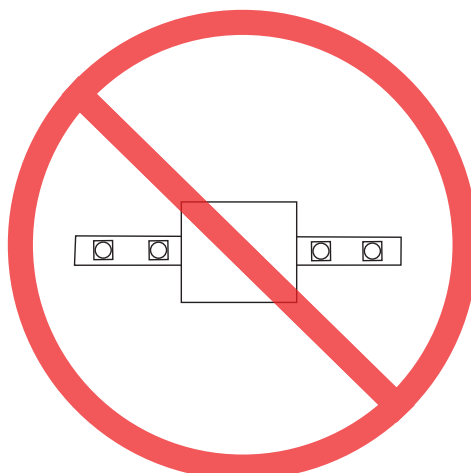
1.5" MINIMUM BEND RADIUS



**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**

INSTALLATION NOTES:

- Reference either the Hardwire or the Gripper Connect steps to install the Tapelight properly.

Install the Hardwired Tapelight

1

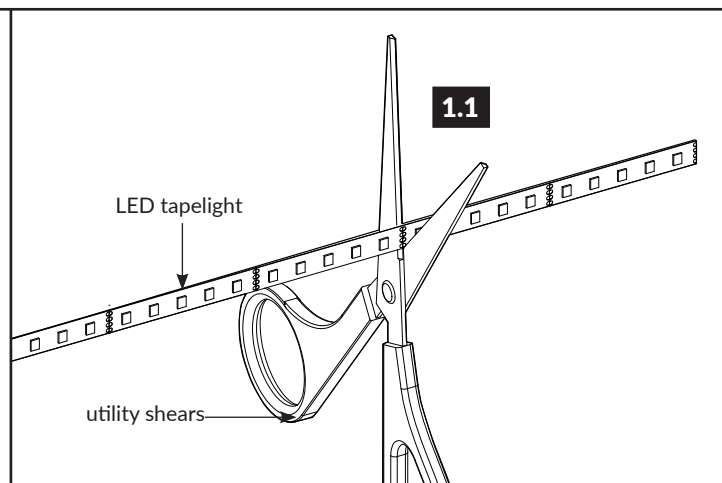
INSTALLATION NOTES:

- 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 LED tapelight

- 1.1 If shortening the LED tapelight, Cut along the cut marks that are in between the solder pads using utility shears.



2

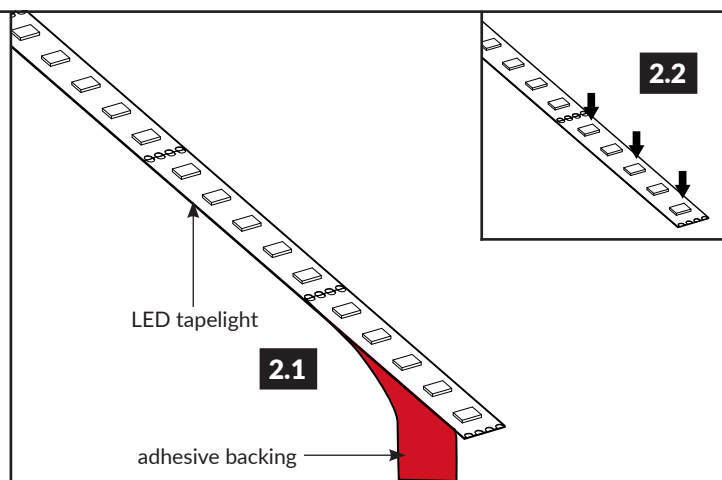
INSTALLATION NOTES:

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

- 2.1 Remove the red adhesive backing from the LED tapelight.

- 2.2 Carefully press the LED tapelight to the mounting surface.
If installing to a specific extrusion reference that installation for more details.

- 2.3 Make the wiring connections in accordance with local & national electrical codes. *For additional information reference the power supply instruction. General wiring diagram on page 5.*



Install the Gripper Connect

1

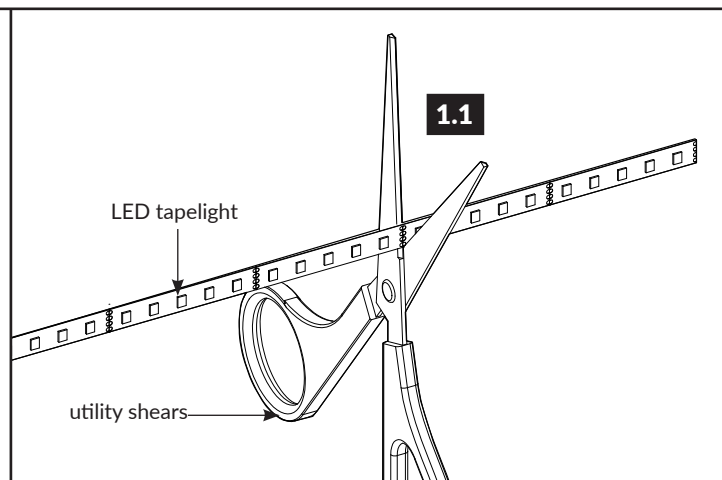
INSTALLATION NOTES:

- 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.

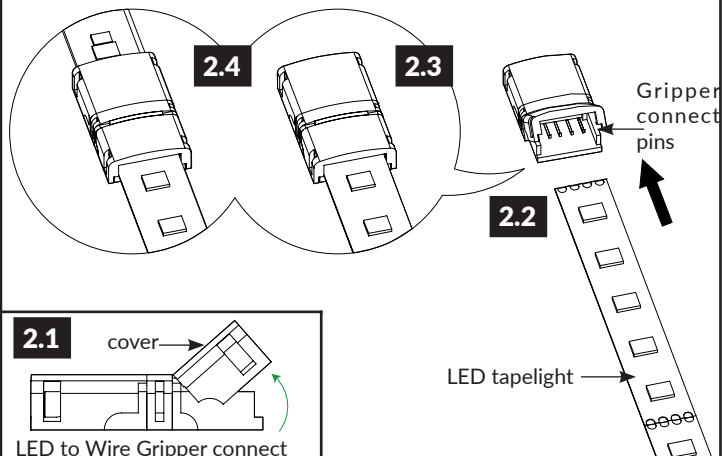
CAUTION: Use the proper safety equipment when making any modification to LED tapelight

- 1.1 Shorten the LED tapelight to the desired length. Cut along the cut marks that are in between the solder pads using utility shears.



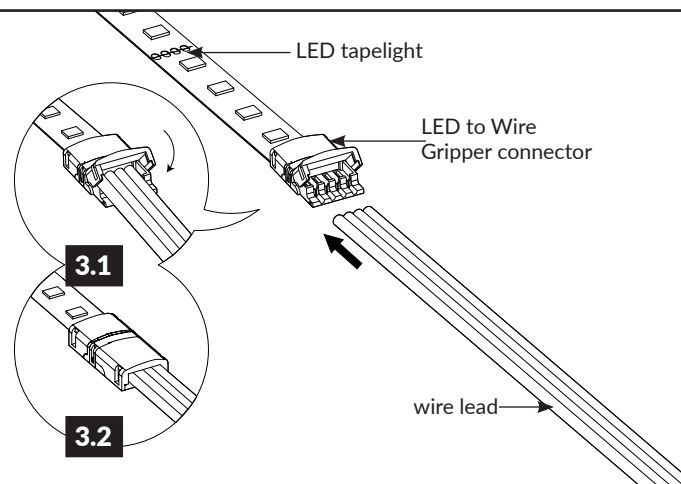
2

- 2.1 Carefully open the cover to the Gripper connect.
- 2.2 Insert the LED tapelight into the Gripper connect. Make sure the LED tapelight solder pads are sitting over the Gripper connect pins.
- 2.3 Close the cover completely through the tapelight, if necessary use pliers.
- 2.4 Repeat these steps if using the LED to LED Gripper connect.



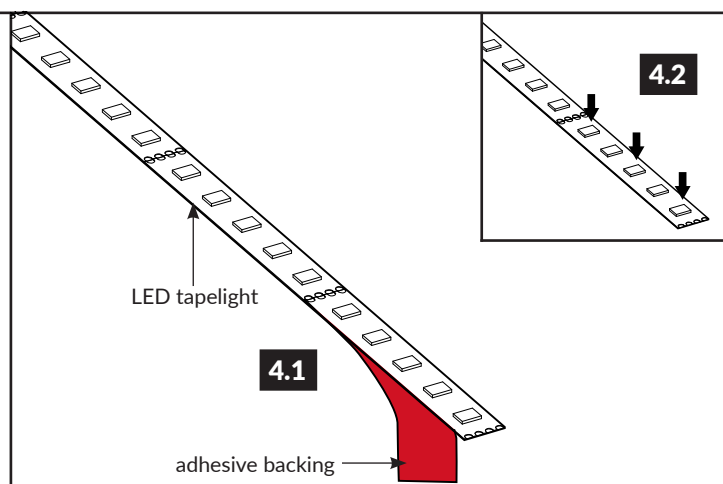
3

- 3.1 Carefully open the wire cover on the LED to Wire Gripper connect.
- 3.2 Insert two 18 or 22 AWG wire lead into the contact slots. Followed by closing the cover, if necessary use pliers. *Make sure the wire leads are cut flush prior to inserting into the Wire Gripper connect.*



4

- 4.1 Remove the red adhesive backing from the LED tapelight.
- 4.2 Carefully press the LED tapelight to the mounting surface. *If installing to a specific extrusion reference that installation for more details.*
- 4.3 Make the wiring connections in accordance with local & national electrical codes. *For additional information reference the power supply instruction. General wiring diagram on page 5.*



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 - RGB Color

