

SAFETY INFORMATION

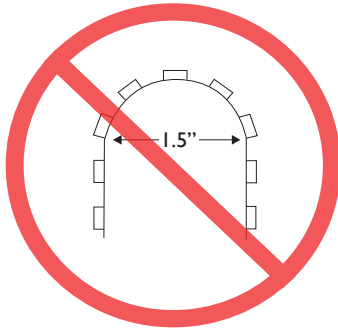
WARNING: Do not connect directly to high voltage power (120V-277V). Use only with 24V DC hardwire or plug-in power supply. Factory warranty will be void if used otherwise.

- 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%.

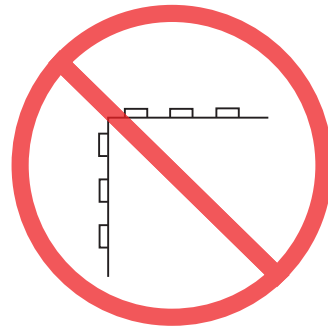
✓ required components to complete installation

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

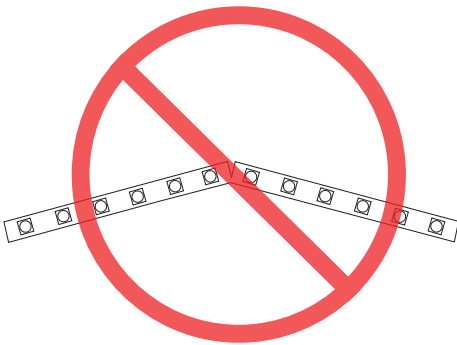
Tapelight DO-NOT basics



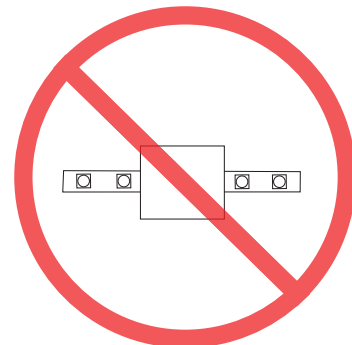
1.5" MINIMUM BEND RADIUS



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



Install the Tapelight

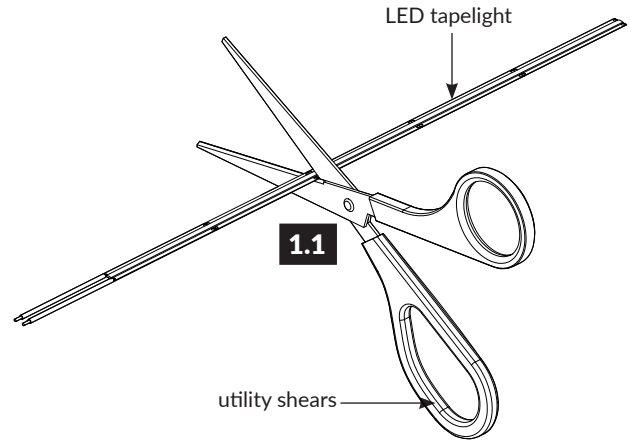
1

INSTALLATION NOTES:

- Review all 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 labeled in between the solder pads using utility shears.



2

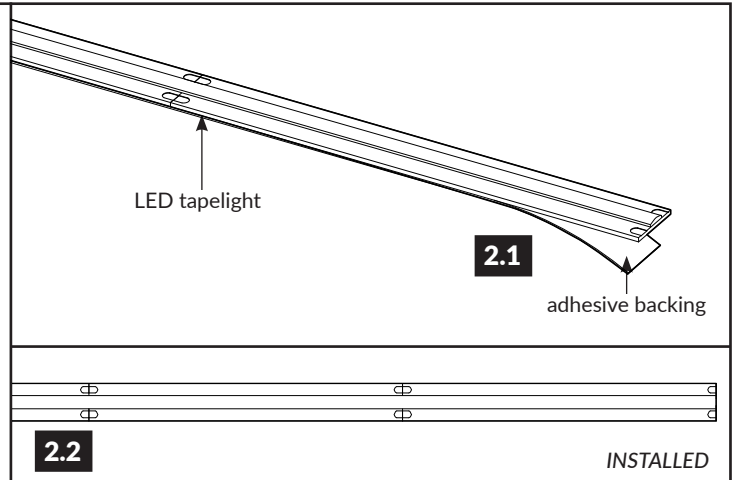
INSTALLATION NOTES:

- 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 4.



How to use Tapelight with connectors

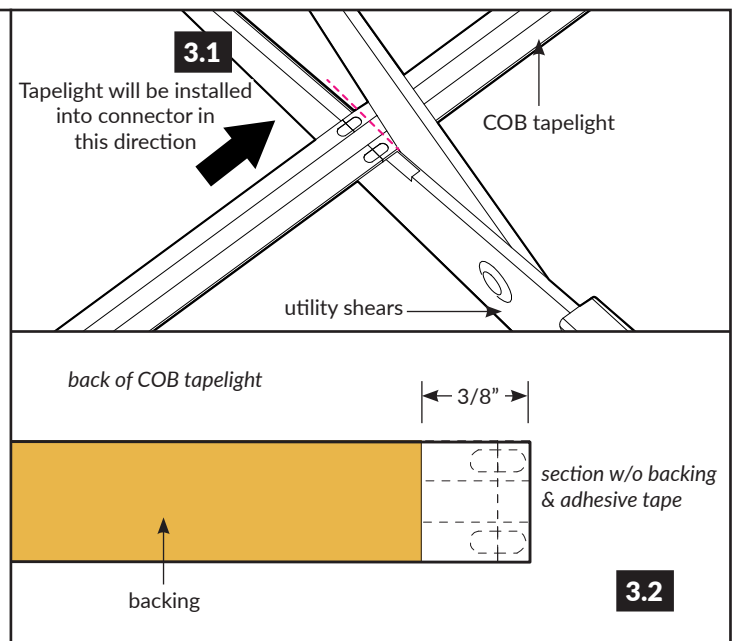
3

INSTALLATION NOTES:

- Prior to using the COB connector, make the following modifications. Must be made to any of the COB connector options tape to wire, or the tape to tape.

3.1 Carefully cut the Tapelight after the solder pads, should be the complete oval shape.

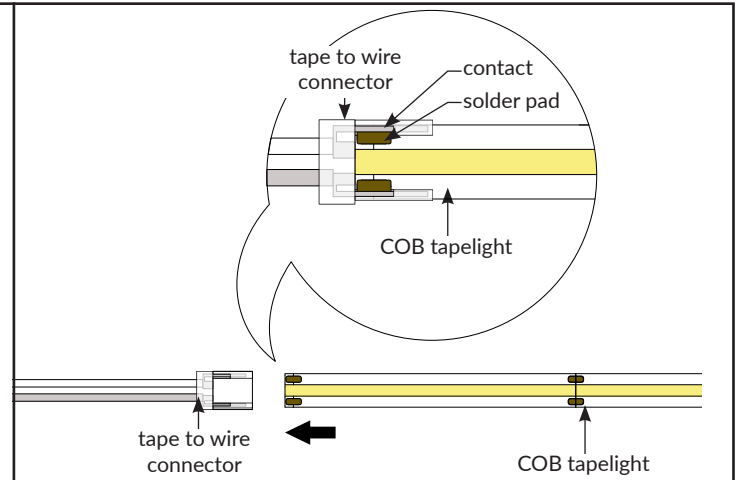
3.2 Turn around the Tapelight so the Tapelight is facing the surface, then mark a line 3/8" from the end. Then carefully remove the 3/8" section of the backing & adhesive



How to use Tapelight with connectors

4

4.1 Insert the COB Tapelight completely into the connector. Make sure the Tapelight solder pads are sitting inside the connector contacts. Repeat this procedure for any remaining connections.

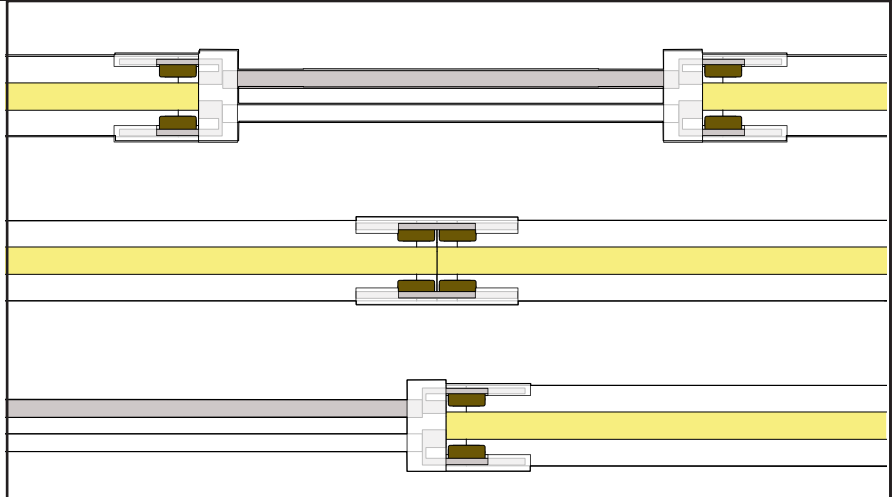


All of the available options

- tape to tape 6" connector COB connector

- tape to tape connector COB connector

- tape to wire connector COB connector



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	300'	149'	100'	76'	60'	50'	43'	37'	33'	30'	27'
	#14	478'	238'	159'	120'	95'	79'	68'	60'	53'	48'	43'
	#12	753'	274'	250'	189'	150'	125'	108'	94'	83'	75'	68'
	#10	1205'	599'	400'	303'	240'	200'	172'	150'	133'	120'	109'

Typical Wiring Diagram

