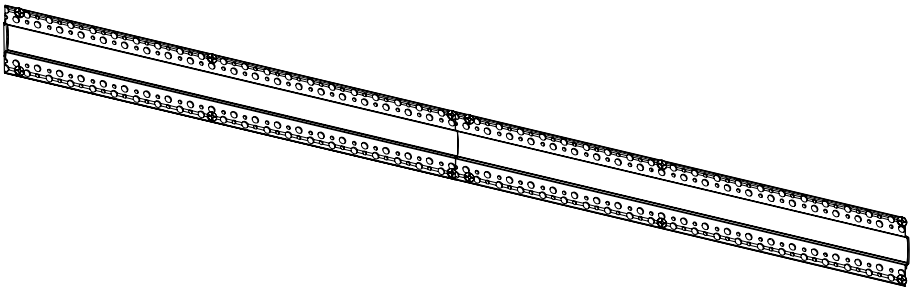


SAFETY INFORMATION

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

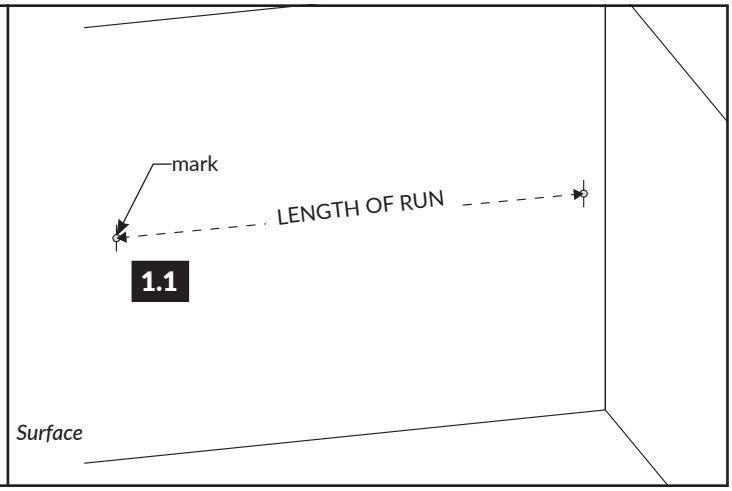
- LED Tapelight
- Extrusion / Lens
- 24V DC Power Supply
- Connectors (if applicable)
- drywall plaster & paint (post installation)

Assemble Parts Together

1

INSTALLATION NOTES:
- Review all the parts and quantities to confirm if all the necessary parts are available.
- For additional information reference specific product instruction.

1.1 Prior to starting the installation make all the necessary measuring and markings to the surface.



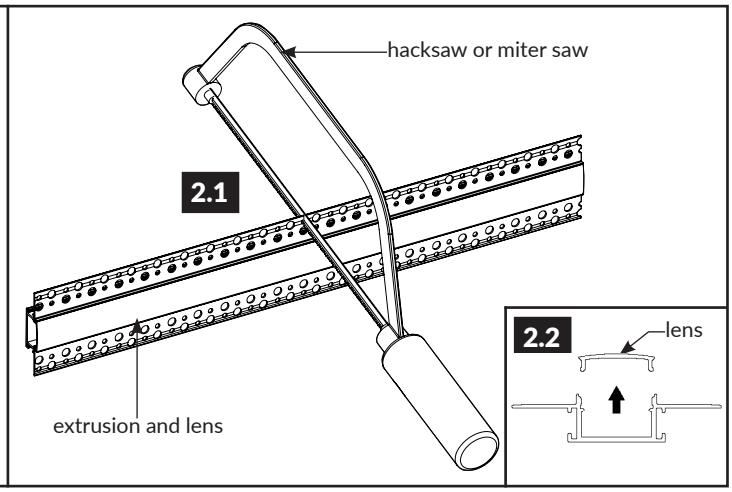
2

INSTALLATION NOTES:
- 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.

2.1 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.

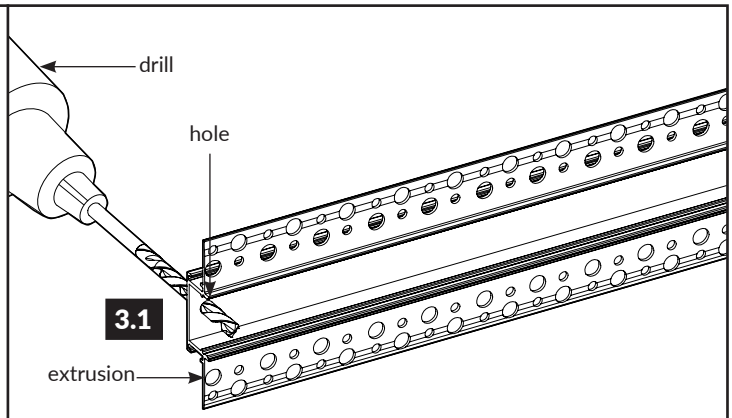
2.2 Remove the lens from inside the extrusion, followed by cleaning the inside of the extrusion from any debris.



3

INSTALLATION NOTES:
- Prior to making any holes to the extrusion, determine what side of the extrusion would need the wire leads.

3.1 From the inside of the extrusion, carefully make a 3/16” hole about 1/4” from the end.

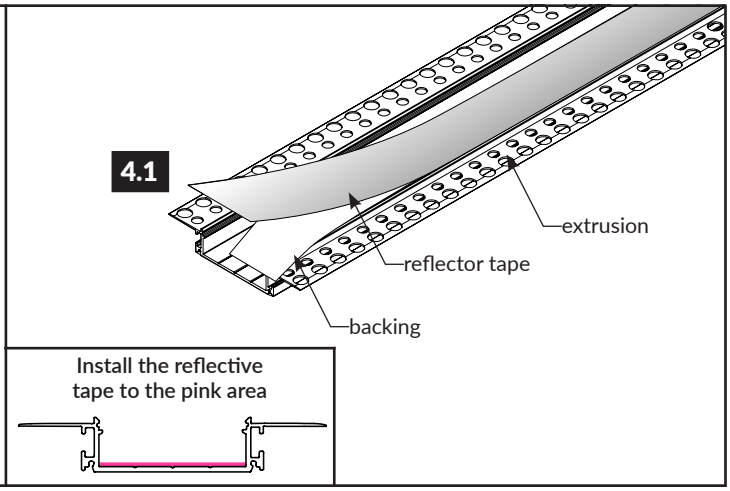


Assemble Parts Together

4

INSTALLATION NOTES:
- *For Seamless 1.5 & 2.0 Models only; if purchased as parts.* For all other models skip this step & move forward to step 5.

4.1 Carefully apply the reflector tape to the center of the extrusion. Make sure to completely remove the reflector backing. If necessary press down on any air bubbles or creases to have a flat surface

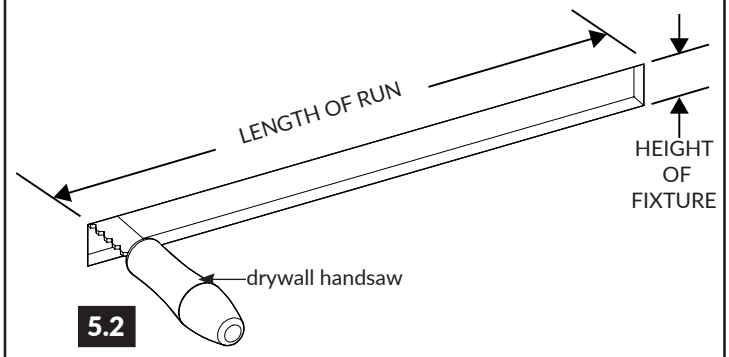


5

5.1 Measure the overall dimensions of the extrusion, do not consider the mesh portion of the extrusion. Reference page 5 for dimensions on particular model.

5.2 Cut along the mark lines on the surface using a drywall saw or utility knife.

INSTALLATION NOTES:
- Make sure the remote power supply wires are near enough to connect later with the LED tapelight.



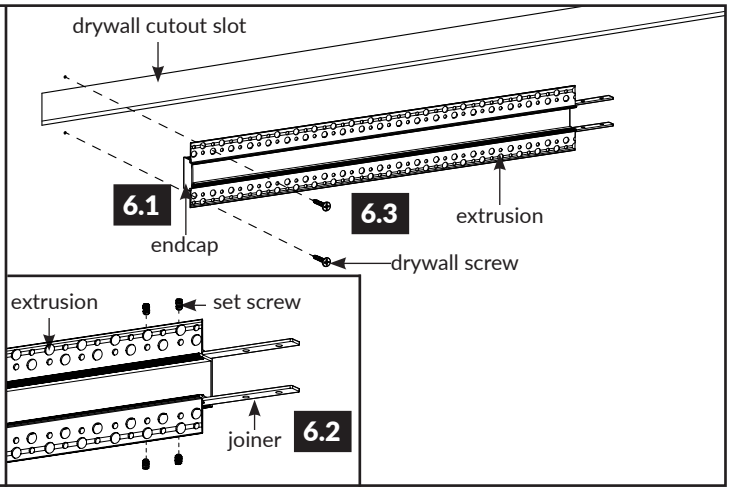
6

INSTALLATION NOTES:
- *For Seamless Micro Models only;* Skip steps 6 & 7, and continue with step 8.
- Make sure the remote power supply wires are close enough to connect later with the LED tapelight.

6.1 Secure the endcap completely into the end of the extrusion, only to the side not joining to another extrusion.

6.2 Insert half of the joiner into the end of the extrusion (the side joining to another section). Then secure by tightening the 4 set screw on the joiner

6.3 Secure the end of the extrusion into the drywall using 2 drywall screws.



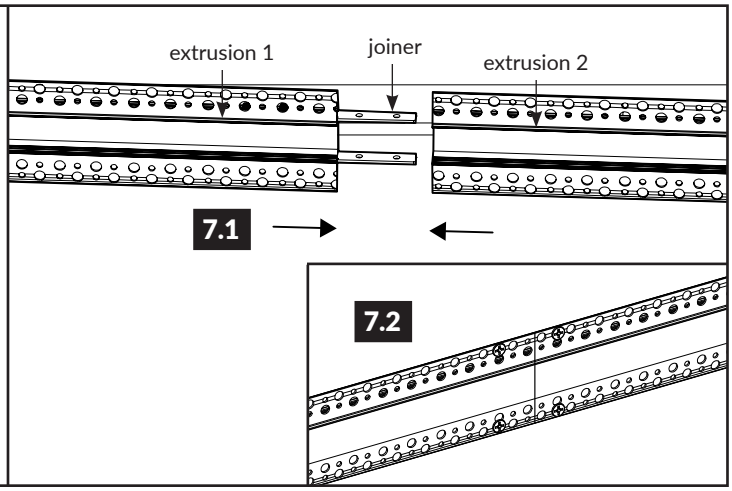
Assemble Parts Together

7

7.1 Slightly pull on the 1st extrusion from the cutout slot, just enough to expose the end with joiners. Followed by inserting the 2nd extrusion completely into the joiners. Tighten to secure the set screws. Push back the extrusions into the cut out slot.

7.2 Repeat steps 6.1 - 7.1 if joining additional extrusion sections.

7.3 Secure the extrusion into the wall by fastening screws every 6.0” through the mesh section of the extrusion.

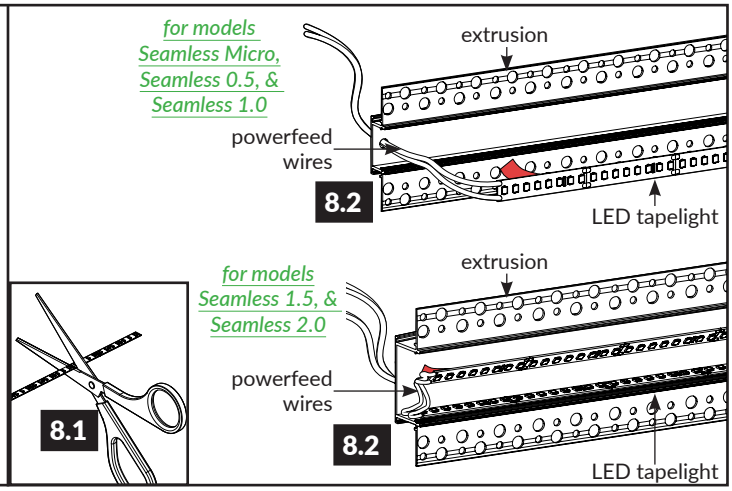


8

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

8.2 Feed the LED tapelight power wires through the extrusion hole. Remove the red adhesive backing from the LED tapelight, then carefully apply to the inside of the extrusion for the complete run.

INSTALLATION NOTES:
- Make sure not to cut the side of the tapelight with lead wires.
- Tapelight should be installed to the side wall for both Seamless 1.5” & Seamless 2.0” models.



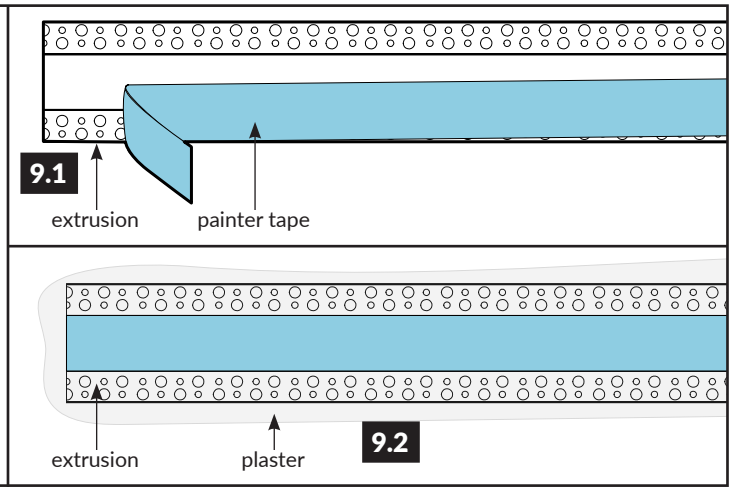
9

9.1 Add painters tape to the inside of the extrusion.

9.2 Apply drywall plaster to the extrusion mesh section, using the specific plaster instruction to apply properly.

9.2 Once the plaster is dry, sand until it blends to the wall, if needed apply another layer of plaster.

9.3 Once satisfied with plaster, paint the surface to complete.

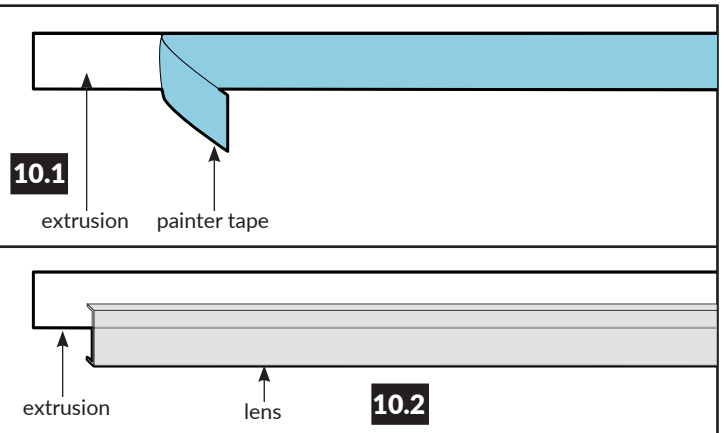


Assemble Parts Together

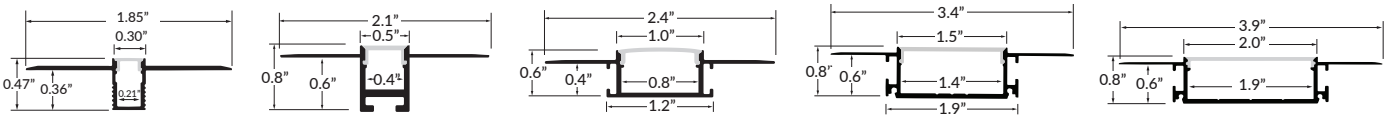
10

10.1 Carefully remove the painters tape from the extrusion opening. Make sure to clean off any remaining plaster debris.

10.2 Install the lens into the extrusion.

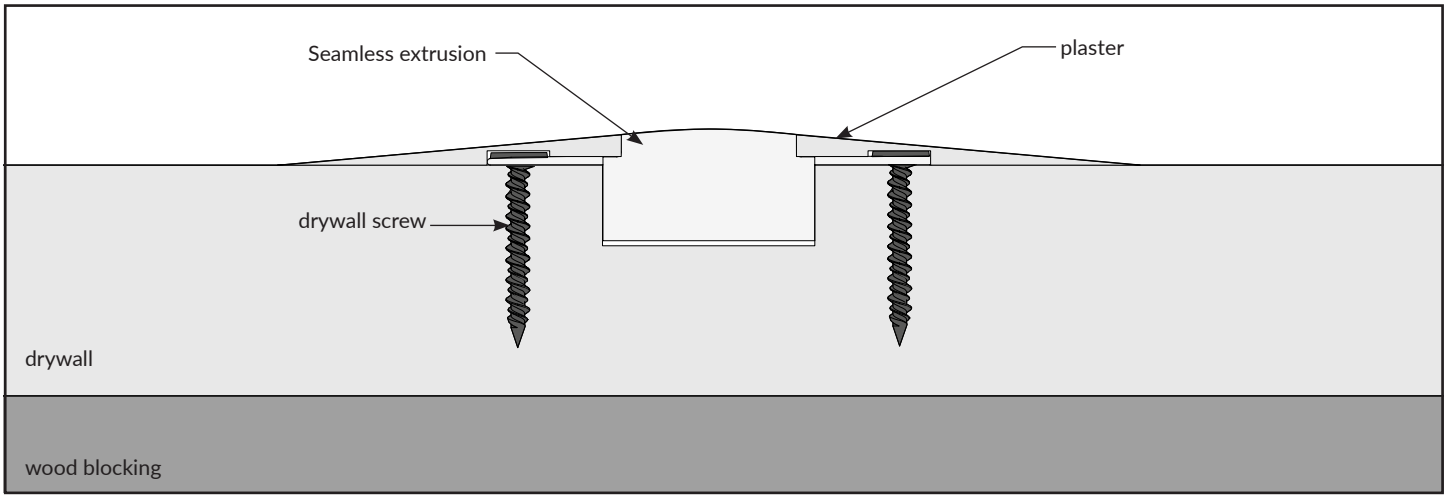


Dimensions



Seamless Micro | Seamless 0.5” | Seamless 1.0” | Seamless 1.5” | Seamless 2.0”

Installation Detail

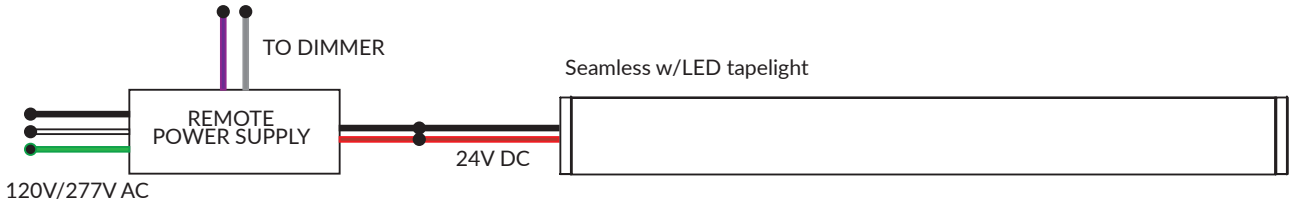


Low Voltage Wire Gauge Chart

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