

# Merge 1.5 - Corners Suspension

1.1

**ELEMENT**  
a brand of **TECH LIGHTING**

**GENERAL PRODUCT INFORMATION:**

This product is suitable for dry locations.

Maximum run length per branch circuit power feed is 80ft.

Maximum run length for low-voltage busbar is 40ft; Multiple 40ft runs may be combined using multiple transformers.

Maximum loading of the low-voltage busbar is 240W (20 AMPS).

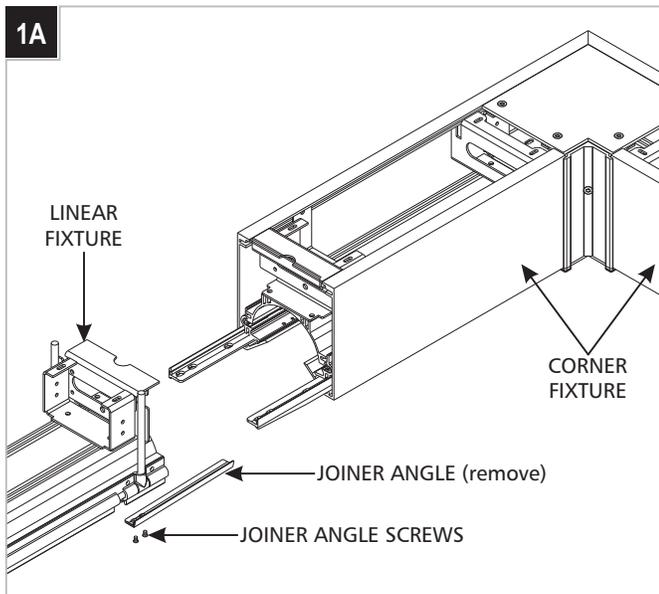
This instruction shows a typical installation.



**CAUTION - RISK OF FIRE**  
This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.  
**Use minimum 90°C supply conductors.**

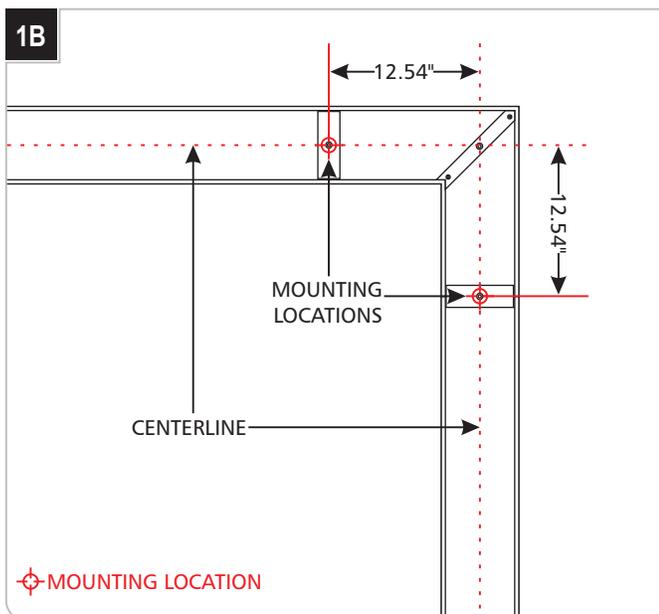
**NOTE:** Due to the complexity of this fixture, assistance is recommended for installation.

## Prepare the Fixtures



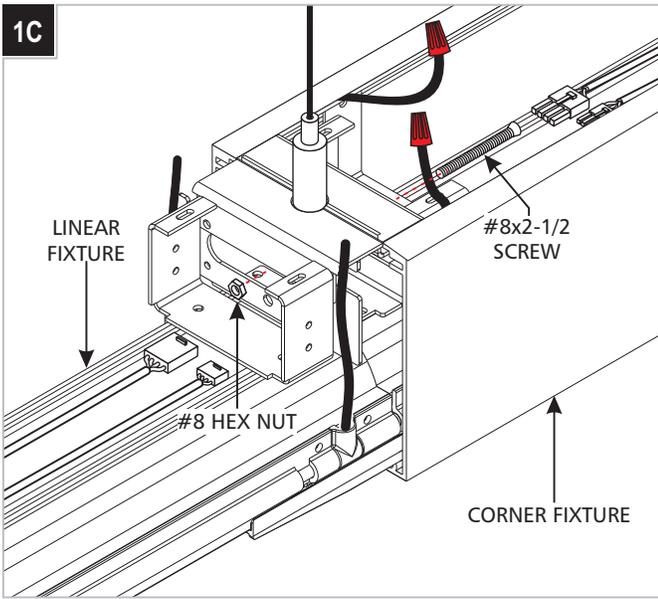
The preparation of the linear fixtures is described in the installation instructions included with them. One additional preparation step is necessary when using a corner fixture:

- 1 Since the corner fixture has two sets of joiner angles, it will be necessary to remove the joiner angles from one of the adjacent linear fixtures. Determine which fixture will connect to the corner fixture with its joiner angles facing toward the corner.
- 2 Remove the joiner angles by sliding the side skins back, removing the screws on the bottom of the fixture and removing the joiner angles. Set the side skins aside in a safe place.
- 3 Orient the main power harness so that the male and female connectors are facing the right directions to connect with adjacent fixtures.



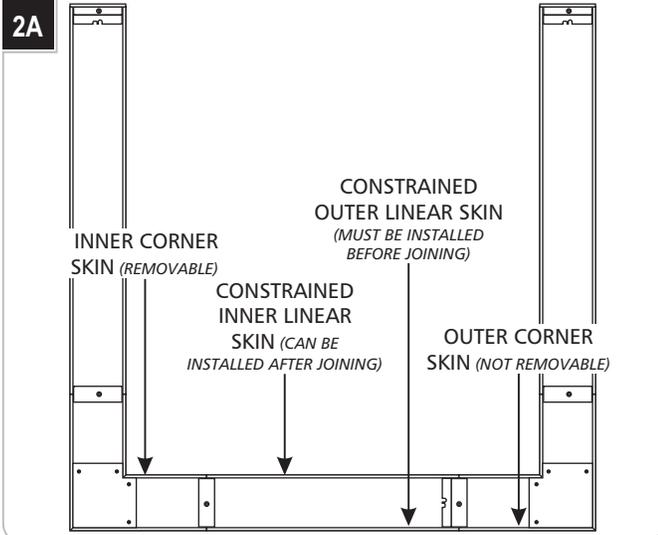
- 4 Follow the instructions included with the linear fixtures for locating, marking and installing the cable or stem posts on the ceiling or grid.
- 5 The centerline of a run is 12.54" from the last mounting location of the run it is perpendicular to as shown.

**Follow the connection instructions included with the linear fixtures.**



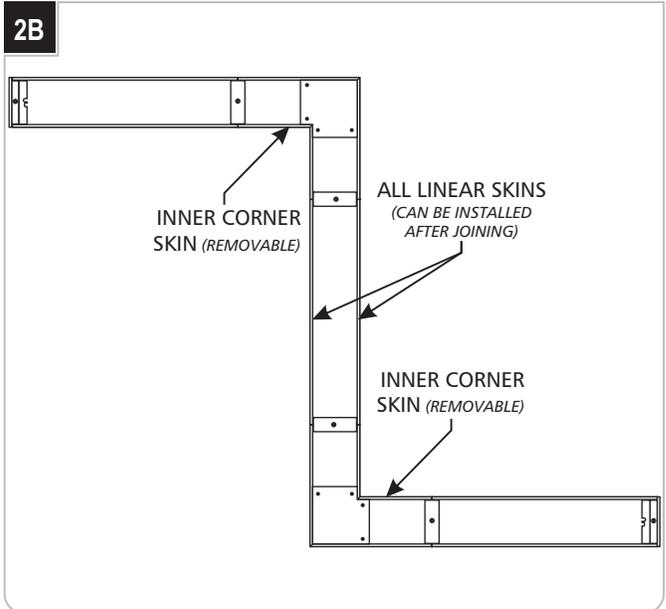
- 6 Remove the top skins from the corner fixture.
- 7 Install a 2-1/2" screw and a #8 hex nut at each fixture joint. Use the hex wrench provided to pull the fixtures together and minimize the seam between the reflectors when seen from below. Raise or lower the ends of the fixtures as needed to align them.

### Install 2 or More Corner Fixtures in Single Run (Special Instructions)

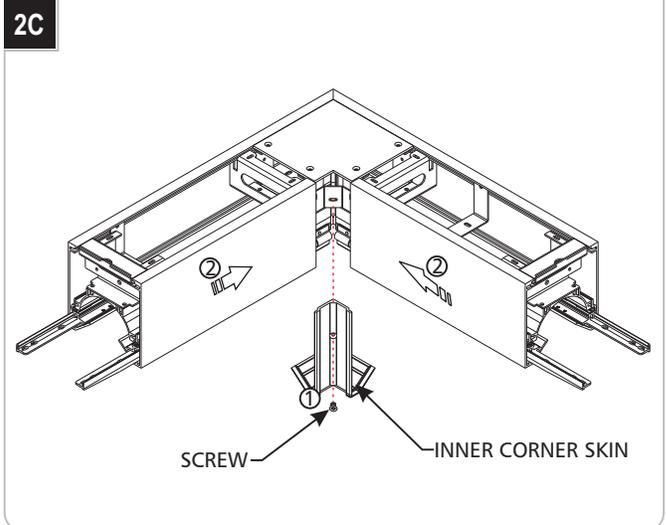


The previous instructions suggest connecting the units together with the side skins removed for ease of access. If installing 2 or more corners in a run, where linear units will be constrained at both ends by corners, please note the following:

- Since the outer corner skins do not move, and since the side skins must be slid into place, any run of side skins which end at both ends at an outer corner skin must be installed before the fixtures are joined together.



- The inner corner skins can be removed so side skins with outer corner skins on only one end can be installed later.



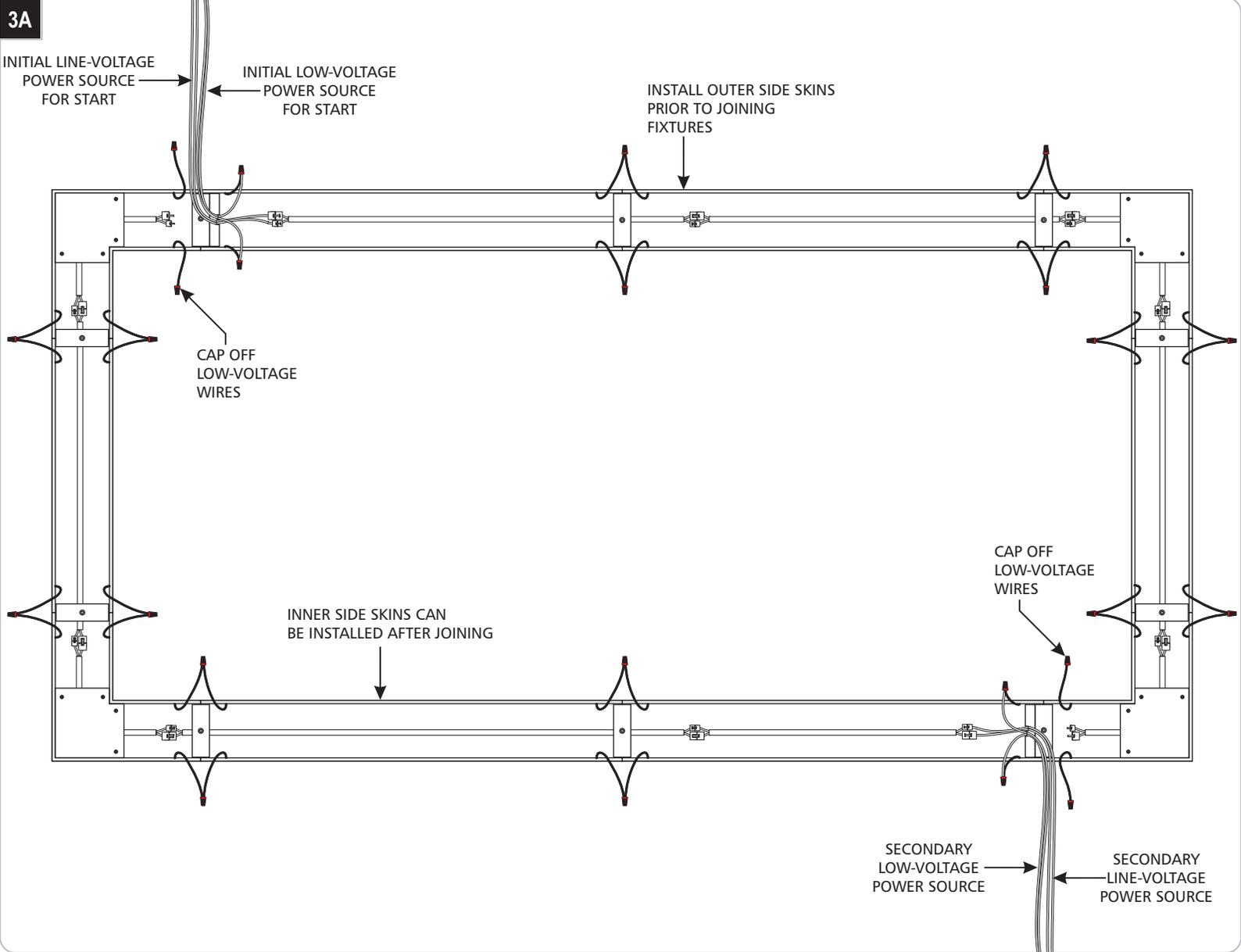
#### Removing the Skins

- 1 The inner corner skin cover is held in place by a screw. Remove the screw.
- 2 Slide the skins toward the middle and remove them.
  - Since the corner fixtures do not have electrical access plates, the line and low-voltage power can only be dropped into a linear fixture, not a corner.

# Enclosed Runs

For an enclosed run, the outer side skins must be installed prior to joining the fixtures as described above.

- If the total run length is more than 80', multiple line-voltage power drops must be used. Do not use a Y-connector to close the loop inside the run.
- If the total run length is more than 40', multiple transformers and low-voltage power drops must be used. Cap off the low-voltage wires at the end of the run. Do not close the loop inside the run.
- If the outer side skins or the reflectors prevent each other from touching, the reflectors in the corners can be moved slightly by loosening the screws in the corner adjustment angles, sliding the reflector in or out, and retightening the screws.



**SAVE THESE INSTRUCTIONS!**



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