

K89 Hardware Kit Includes:

- #10 Wall Anchor (2 per clip) 900-01028
- #10x1.5" Sheet Metal Screw (2 per clip) 900-1172936
- Wall Mount Clip (AR *) 900-00047
- * See Part IV for quantity of clips based on frame size.

Materials/Tools Required:

- Level / Tape Measure / Hammer
- Drill with 7/32" bit and Phillips Head bit
- White Electrical Tape

Recommended Cleaning Materials:

- Lint Free Cloth or Wipes
- Fantastik® All-Purpose Heavy Duty Cleaner (frame only)
- Tide To Go® or OxiClean™ Stain Remover (graphic only, gently rub with clean cloth to remove spot stains)

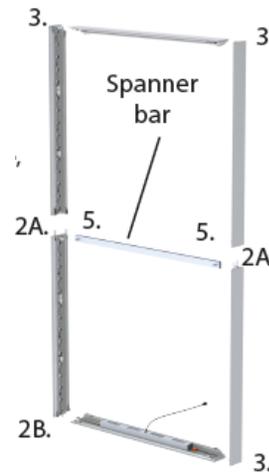
Important Installation Note:

For assembly purposes, product shown is a generic frame. Although size of frame and quantity of support bars for that frame may differ, instructions remain the same.

Part I: Frame Assembly

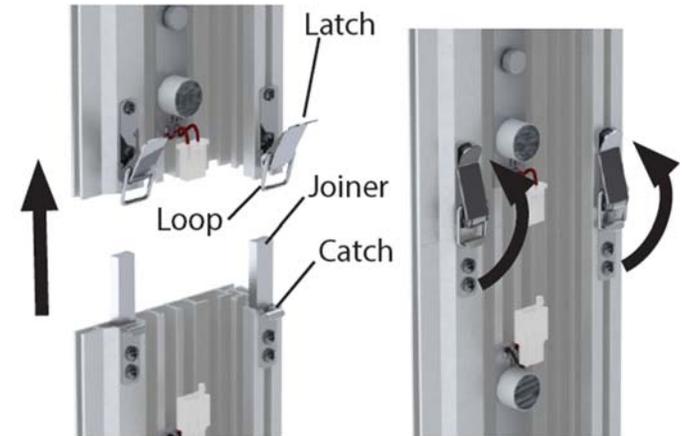
Step 1:

Assemble frame on clean flat surface and match section numbers, 1, 2 next to 1, 2 next to 2, 3 next to 3, etc.



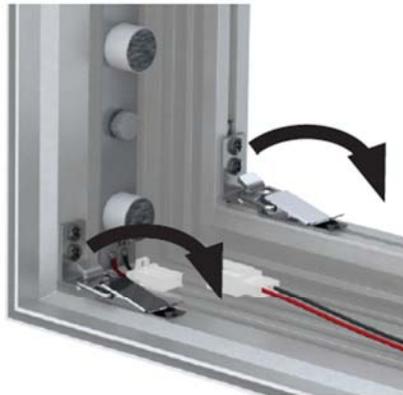
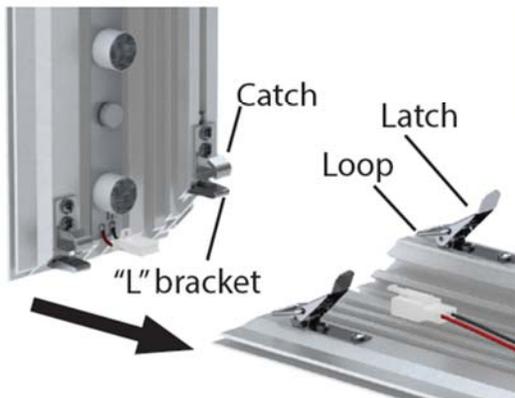
Step 2:

Connect straight pieces first. At each connection point, there should be 2 latches and 2 catches. Slide extrusion into its matching half. Then lift latch handle up and place loop over catch.



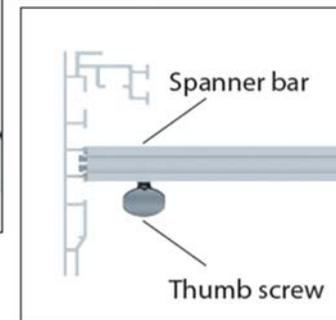
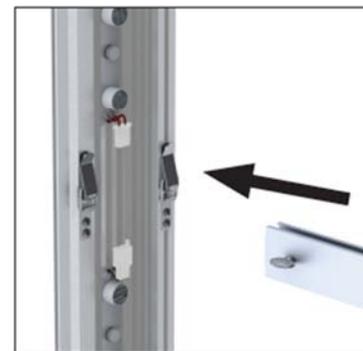
Step 3:

Connect corner pieces next by using catch and loops provided on extrusions. Repeat for other 3 corners.



Step 4:

If spanner bar provided (typically for frames over 93"), place bar into frame channel and use thumb screw to expand end bracket inside spanner bar to secure it into frame channel.



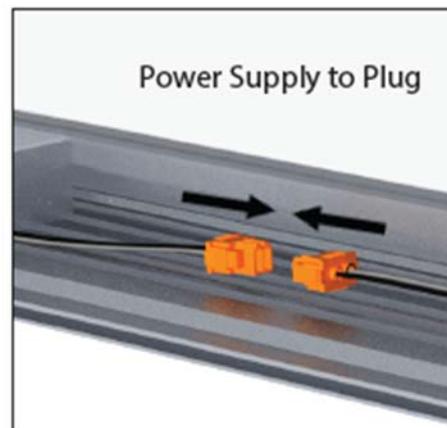
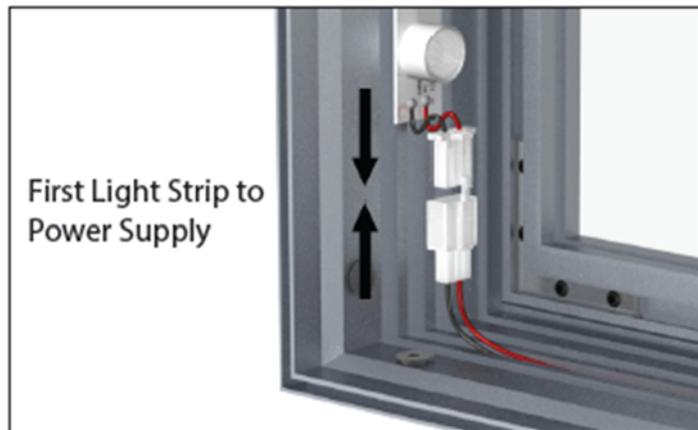
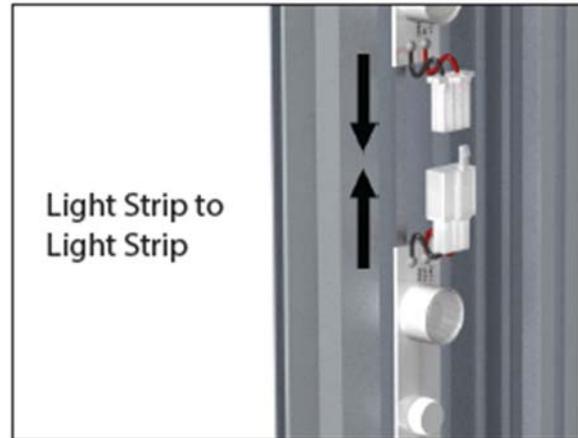
Part II: Connecting Electrical Components (for illuminated frames only)

Step 1:

At each break in extrusion, identify orange or white electrical connector. Then connect white female connectors to their color matching male connectors and orange female connector to their color matching male connector. Connectors must fully "click" together.

Important Electrical Note:

This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electrical Code and/or other applicable codes. This includes proper grounding and bonding of the sign.



Step 2:

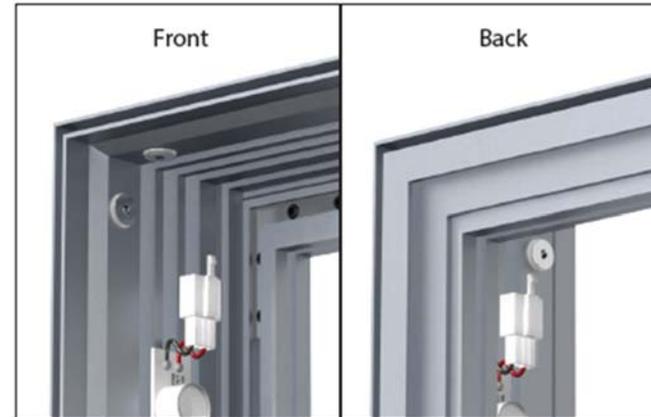
It is normal for last female white connector to be unconnected to anything else.



Unconnected and capped last female connector is normal

Part III: Install Reflective Backer
(for illuminated frames only)

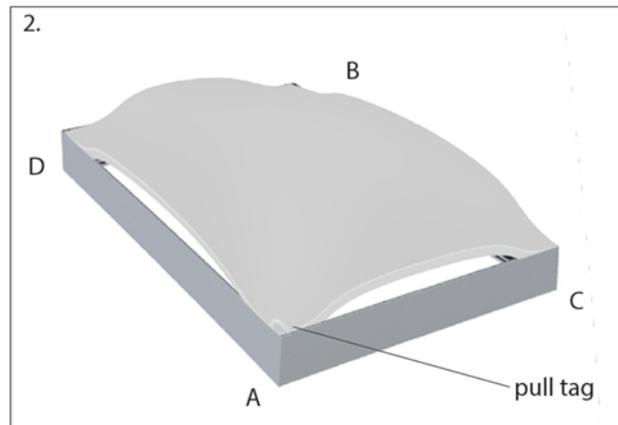
Step 1:
Identify **back** channel of frame extrusion.



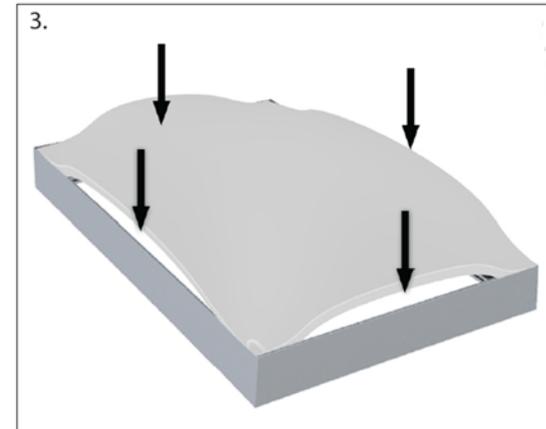
**Important Reflective Backer
Installation Note:**

Wall mounted illuminated frames require the use of a reflective fabric backer to reflect light forward towards the graphic face.

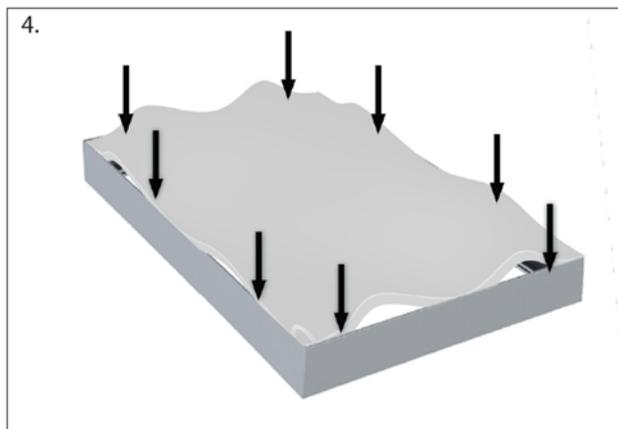
Step 2:
To install reflective backer, take corner A with pull tag on it and press 6" to 10" of silicone into frame back channel A. Repeat for opposite corner B. Repeat for next corner C. Lastly, repeat for final corner D.



Step 3:
After all corners are pressed in, press silicone into frame channel at mid-points on all four sides.



Step 4:
Press silicone into frame channel evenly between corner and midpoints. This prevents reflective backer from bunching up or stretching too much and will ensure a smooth and tight fit.



Step 5:
To remove reflective backer from frame channel, simply pull tag outward to release reflective backer from frame channel.



Part IV: Mounting Frame Assembly to Wall

Step 1:

Mark top of frame, measure down 2-3/8", and mark spot (this is the top screw hole center location for clip mounting). Repeat for each clip location along top frame extrusion.

Step 2:

Measure down 2" from top hole and mark spot (this is the bottom screw hole center location for clip mounting). Repeat for each clip location along top frame extrusion.

Mounting Caution Note:

Always ensure frame is secured to wall without risk of falling before completing the installation.

Frame Width Range	Number of clips to secure top frame extrusion to wall *
Up to 24"	2
24.1" to 48"	3
48.1" to 72"	4
72.1" to 96"	5
96.1" to 120"	6
Frames > 120" wide, for each 24" increment	Add one additional clip per 24" increment

* Same number of clips required along bottom frame extrusion. Clips not required along sides.

Step 3:

At center marks drill 7/32" diameter holes into concrete, masonry or drywall. If stud is found, do not drill into stud.

Step 4:

In non-stud locations, using hammer, drive anchors into wall and seat flush. For stud locations, do not use anchors.

Step 5:

Securely fasten clips to wall using #10 sheet metal screw.

Step 6:

Determine clip locations in reflective backer along top of frame extrusion and cut 6" long vertical slits in reflective backer for each clip location.

Step 7:

Slide frame assembly with attached reflective backer over clips (clips to slide through step 6 slits).

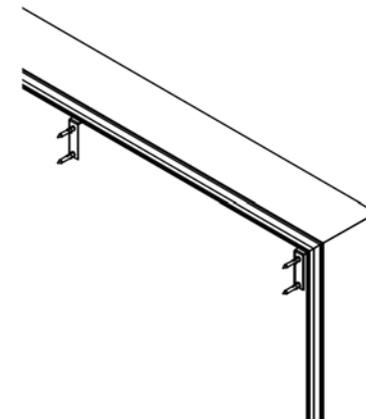
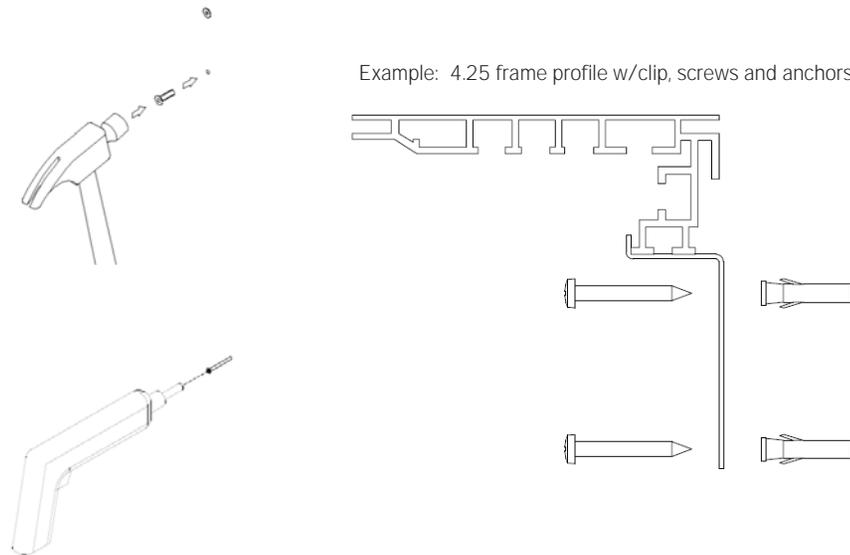
Step 8:

With frame assembled to wall with top row of clips, repeat step 6 to cut vertical slits in reflective backer along bottom frame extrusion for mounting clips along bottom in reverse, aligned horizontally with clips along top frame extrusion.

Step 9:

Repeat steps 1-2 in reverse (ex: measuring up from bottom frame extrusion) for clip locations along bottom frame extrusion, then repeat steps 3-5 to fasten bottom row of clips. This completes the mounting of frame assembly to wall.

Example: 4.25 frame profile w/clip, screws and anchors.

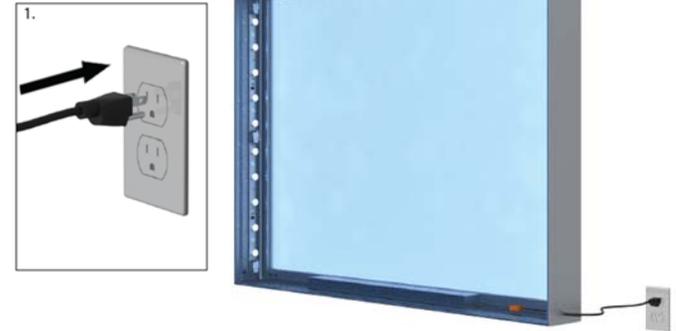


Part V: Install Face Graphic

Step 1 (skip this step if frame is non-illuminated):

Run frame assembly power cord along frame in direction of power outlet and plug into outlet. Use white electrical tape to fasten power cord tight against frame to prevent blocking of LED lights that may result in shadowing (dark spots) when illuminated. Additionally, use white electrical tape to tie down any connectors from Part II hanging out loosely (not tight to frame) that may result in shadowing when illuminated.

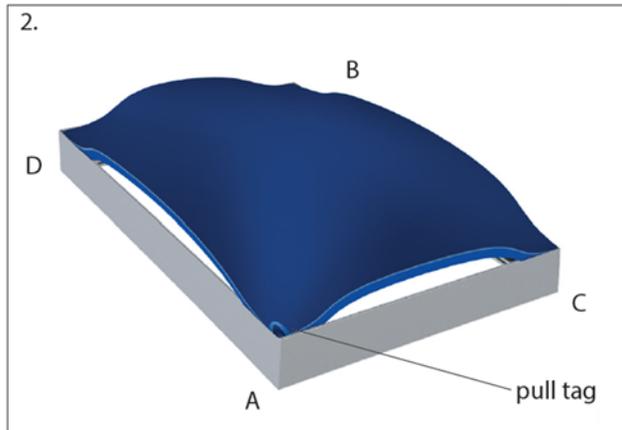
Note: Location of power outlet must be known prior to manufacture of frame assembly so that power cord can be positioned appropriately to accommodate location of outlet on wall. By default it is assumed power outlet will be located within inside area of frame assembly so that power cord will be hidden behind face graphic.



Step 2:

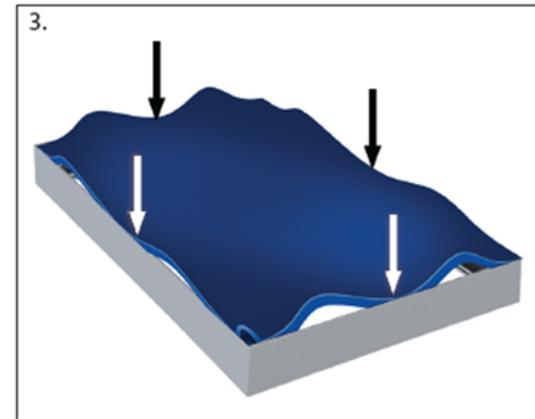
To install face graphic, take corner A with pull tag on it and press 6" to 10" of silicone into frame face channel corner A. Repeat for opposite corner B. Repeat for next corner C. Lastly, repeat for final corner D.

Important: Leave pull tag hanging out after installation for ease of future removal.



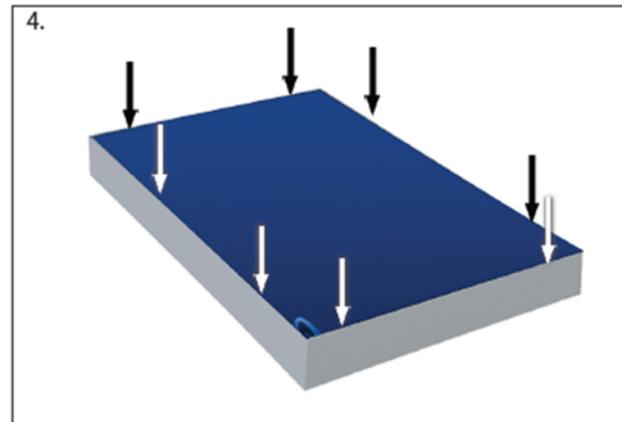
Step 3:

After all corners are pressed in, press silicone into frame channel at mid-points on all four sides.



Step 4:

Press silicone into frame channel evenly between corner and midpoints. This prevents face fabric backer from bunching up or stretching too much and will ensure a smooth and tight fit.



Step 5:

To remove face fabric from frame, simply pull tag outward to release face fabric from frame channel.

