

Installation Instructions – CoviO Graze



IMPORTANT: Read carefully before installing fixture. Failure to comply with these instructions may result in death, serious bodily injury and property damage. Retain for future reference.

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**WARNING**

Risk of Fire, Electrical Shock, Cuts or other Casualty Hazards- Installation and maintenance of this product must be performed by a qualified electrician. 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 hazards involved.



Risk of Fire and Electric Shock- Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.



Risk of Fire- Minimum 90°C supply conductors.



Risk of Burn- Disconnect power and allow fixture to cool before handling or servicing.

Risk of Personal Injury- Due to sharp edges, handle with care.

DISCLAIMER OF LIABILITY: Cooper Lighting Solutions assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

NOTICE: Green ground screw provided in proper location. Do not relocate.

NOTICE: Fixture may become damaged and/or unstable if not installed properly.

Note: Specifications and dimensions subject to change without notice.

ATTENTION Receiving Department: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

INSTALLATION (CoviO GRAZE)

1. Installation Guidelines for Wall Wash and Wall Graze applications

Note: To optimize performance, fixture placement and installation design must be carefully considered. (see Figure 1 and CoviO GRAZE specification sheet for guidance).

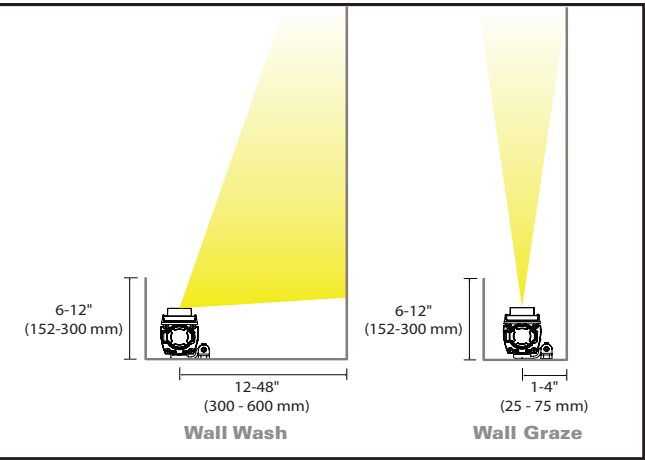


Figure 1.

2. Plan run lengths and power drops per run length specifications below:

		Run Length Limits (ft)			
		Lumen Package	05L	10L	15L
		Fixture Input Wattage	5.1W/ft	9.9W /ft	14.6W/ft
Dimming Protocol	0-10V (STD) WaveLinx (WL)	Maximum Run Length (ft) @ 120V	140	70	50
		Maximum Run Length (ft) @ 277V	300*	170	120
	DALI (5LT)	Maximum Run Length (ft) @ 120V	92	47	32
		Maximum Run Length (ft) @ 277V	216	110	76

Table 1.

Note: Run length can be extended to 340 ft. for 05L fixtures @ 277 when using 2F and 4F fixtures as long as runs are limited to 300 fixtures or less.

3. Unpack fixtures, cables, and mounting hardware from boxes.

Note: All installations require a beginning of run power cord with custom connector and junction box supplied by Cooper Lighting Solutions. Line voltage power supply line and power line cord grip supplied by others. If your installation calls for the jumper cable accessory to add space between fixtures, make sure they are available.

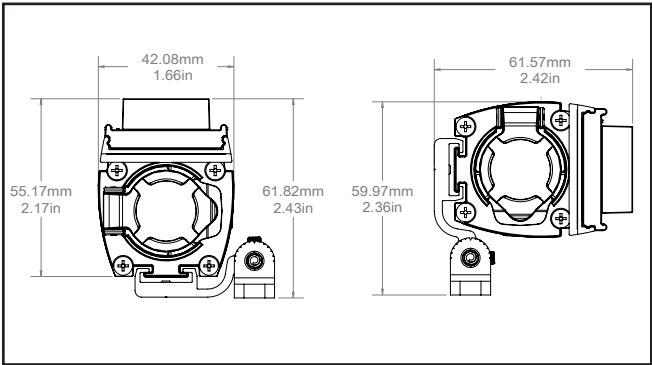


Figure 2.1

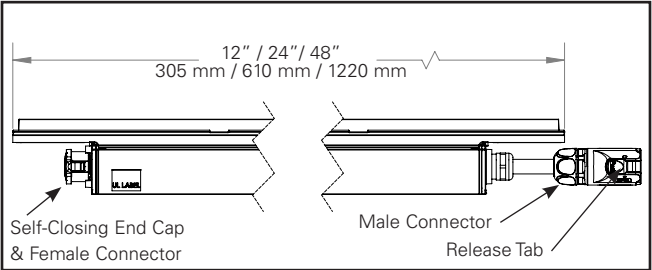


Figure 2.2

4. Prepare beginning of run power cord for line voltage input by removing top screws to wiring box. Open junction box wiring compartment. Remove cover of desired feed location and feed line voltage power lead cable (by others) through hole. Trim power feed to desired length. Tighten power line cord grip. Connect power lead cable and input driver wiring to female connector wires via wire nuts. Green ground screw must be connected for safe operation. (See Figures 3-4 and Wiring Chart below).

Note: Minimum of 18 AWG power lead cable wires must be used.

5. Close junction box by tightening top screws.

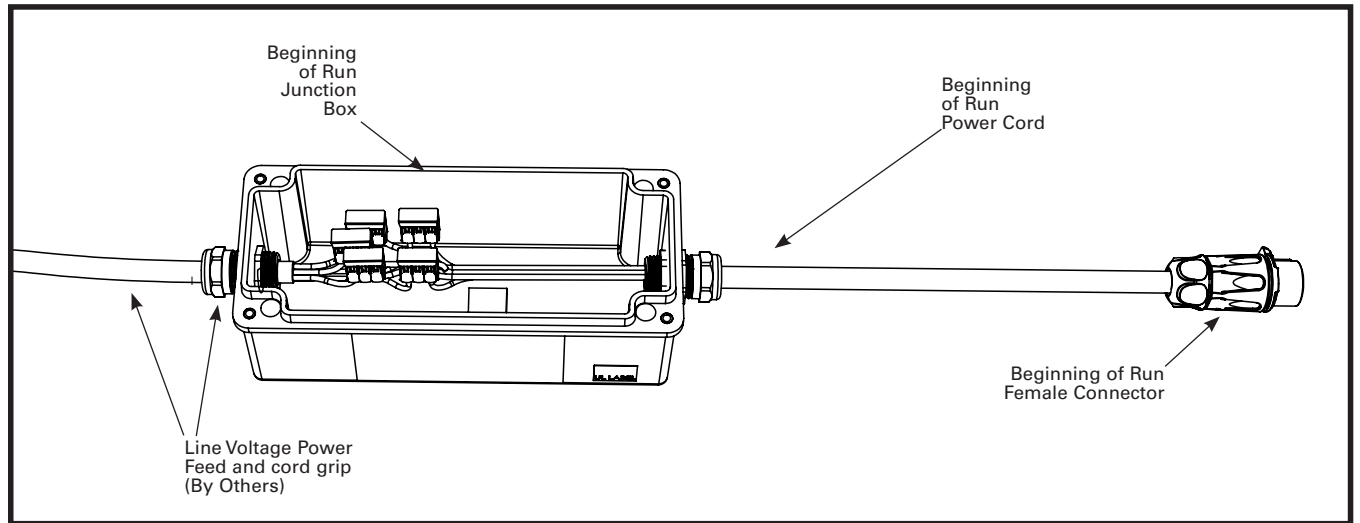


Figure 3

WIRING CHART

	HOT	NEUTRAL	GROUND *	CONTROL 1	CONTROL 2
0-10Vdc	Black	White	Green	Purple (0-10v +)	Gray (0-10v +)
Wavelinx	Black	White	Green	N/A	N/A
5th light / Dali	Black	White	Green	Purple (Dali Bus)	Purple (Dali Bus)

* Fixtures utilize a Green Pigtail or a Green Through Wire for grounding.

6. Make power connection and place CoviO Graze fixtures loosely in place until the run is completed. Fixtures should be placed on a flat surface before connecting together.

**For installations using ADJ mount, continue below.
For installations using SM mount, go to pg 5.**

7. If using the ADJ mount, these should be slid onto the channel on the bottom of the fixture before fixture placement (see Figure 5). ADJ mounts must be secured onto the bottom of the fixture with a 2 mm Allen wrench when positioning is finalized.

Mount can be slid onto fixture with rotation barrel on either side. Rotation barrel should be on the side of the fixture where light output will be aimed.

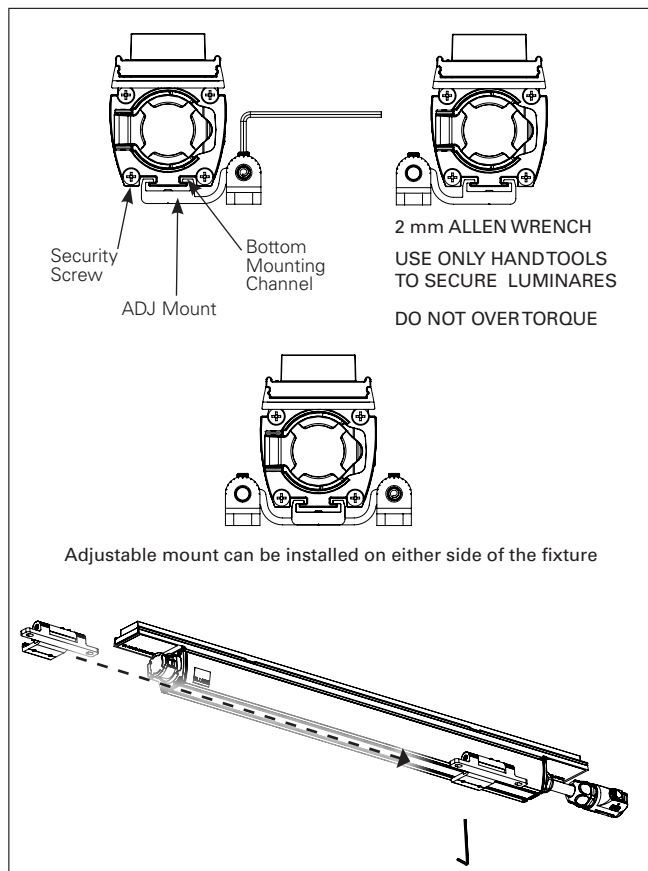


Figure 5

8. Once fixtures are placed correctly, fixtures can be connected. (See Figure 6). Self closing end cap of female connector must be opened for connection. Fixtures must **CLICK** together to ensure secure connection of fixtures along the run. Fixtures can be secured to the surface using appropriate hardware (supplied by others) as each connection is made if desired. (See Figure 7).

Note: Fixtures should not be powered until run installation is complete.

Note: To disconnect, squeeze the silver tab on the male connector and pull apart fixtures.

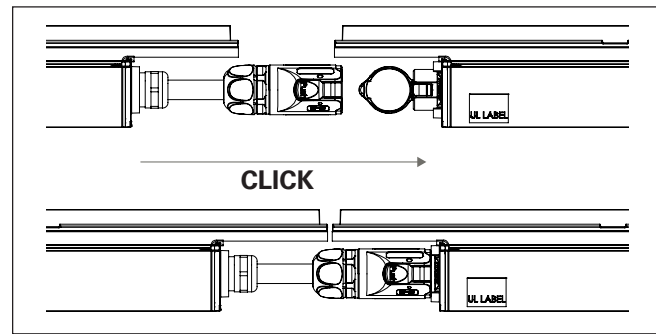


Figure 6

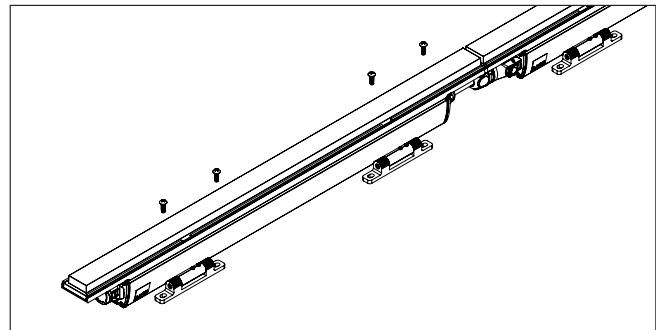


Figure 7

Note: 2F fixtures shown. 2 ADJ brackets are required for 2F and 4F fixtures. 1 ADJ bracket is required for 1F fixtures.

9. If aiming angle is desired, fixtures attached to ADJ mount should be rotated to desired angle and secured by hand tightening the 2 set screws with a 2 mm Allen wrench. (see Figure 5). For consistency, all fixtures along the run should be aimed the same by utilizing the aiming marks on the ADJ mount. Additional ADJ mounts can be added for increased aiming security.

For installations using SM mount

7. "If mounting angle is desired for surface mount installation, place proper degree mounting plate under the surface mount bracket before securing bracket to surface (as shown in Figures 8 and 9).

Note: ADJ mount should be slid onto the bottom of the fixture and secured before final placement.

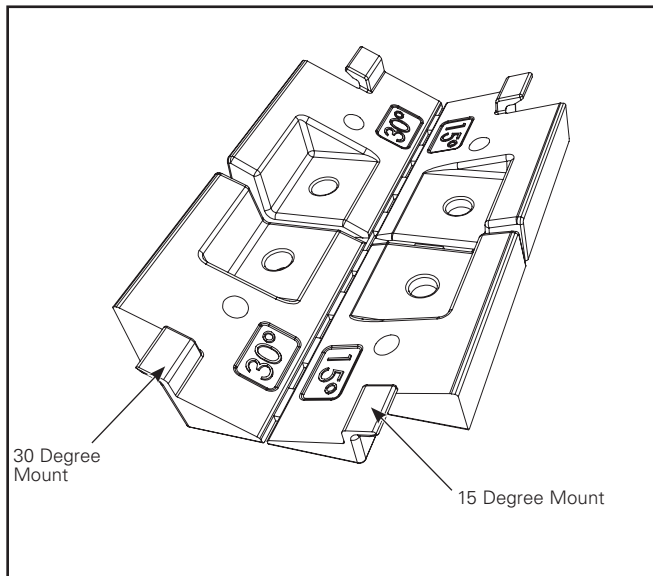


Figure 8

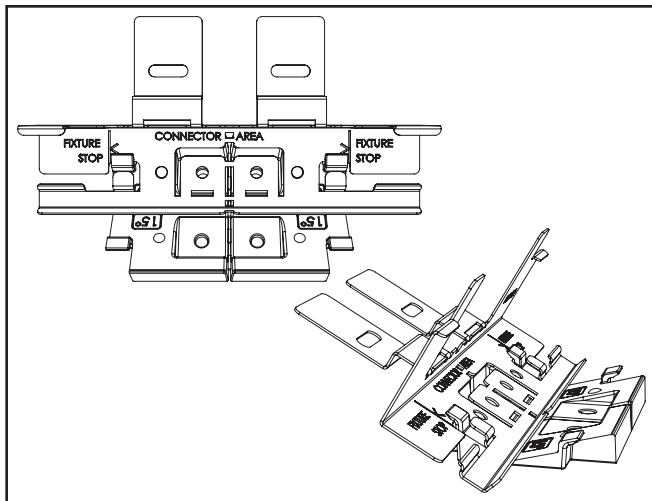


Figure 9

8. Secure mounting bracket with 2 screws (by others) in straight line at least 2" from wall for optimal cove lighting. (see Figure 10 for screw hole options)

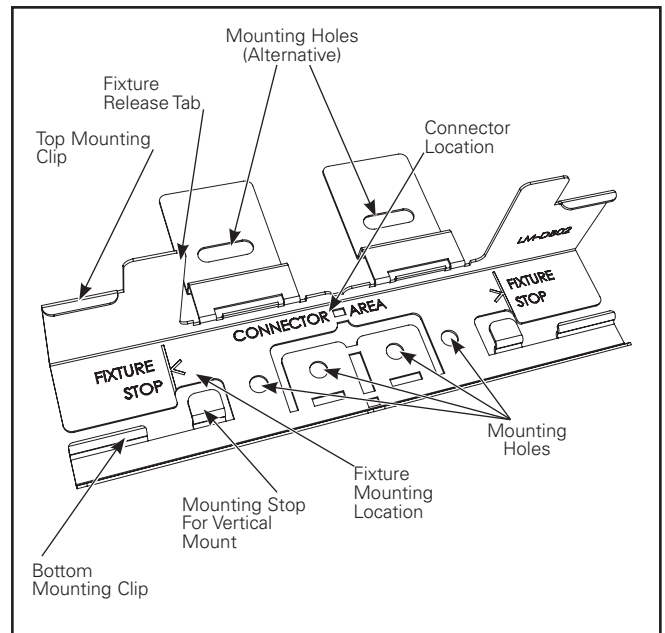


Figure 10

9. Snap male connector from beginning of run power feed into female connector of the first fixture in the run. Self closing cap of female connector must be opened for connection. Connector must "**CLICK**" to ensure complete, proper connection of fixtures along the run. (See Figure 11).

Note: Fixtures should not be powered until run installation is complete.

To disconnect, squeeze the silver tab on the male connector pull apart fixtures.

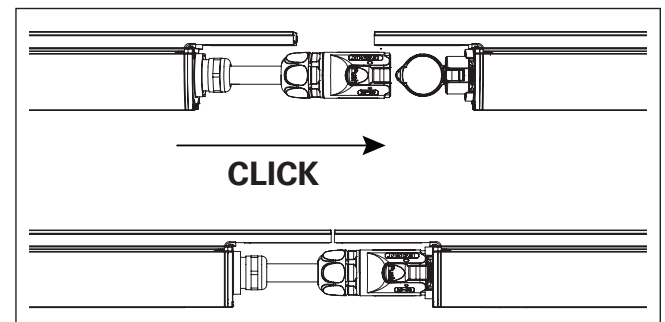


Figure 11

10. Mountings are designed to span between fixtures to assure alignment between fixtures. Connectors have 2" standoffs to align with the wall and optimize lighting performance. (See Figure 12).

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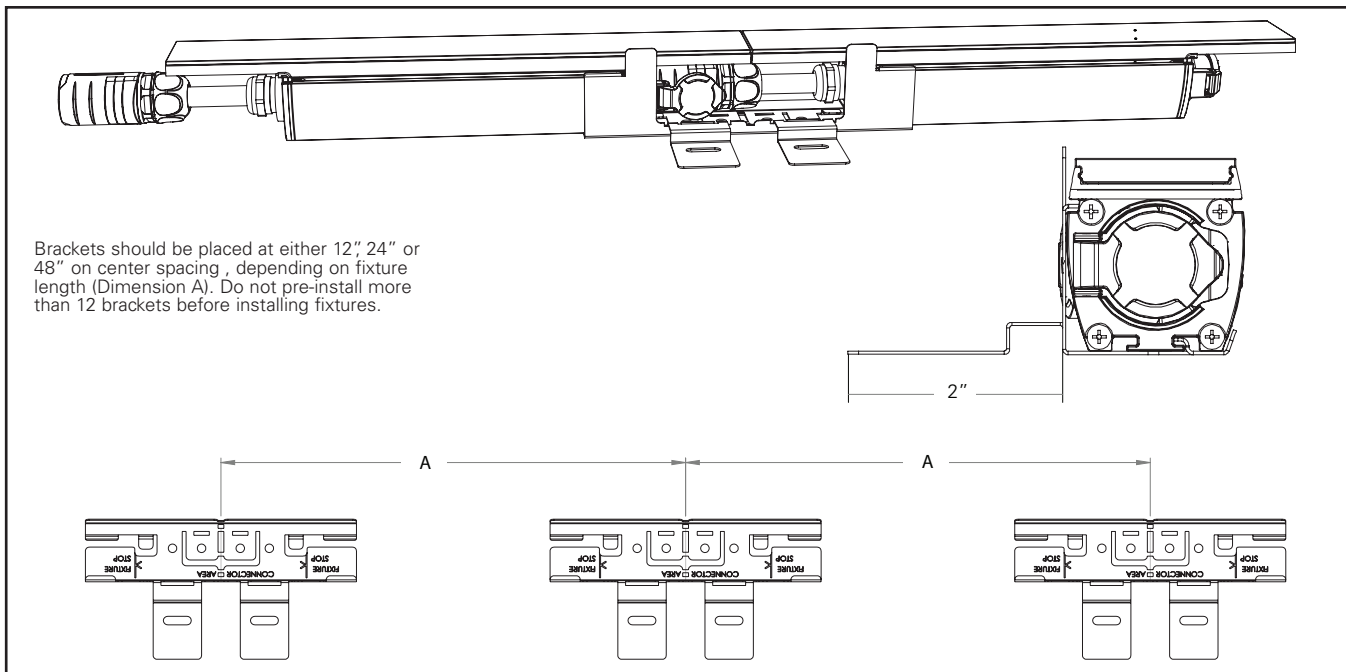


Figure 12

11. Install fixture into mounting by making sure mounting channel in the bottom of the fixture engages with the mounting clip. Fixture can then be rotated into place making sure the top clip engages in the upper mounting channel to secure fixture in any orientation (as shown in Figures 13.1 and 13.2). Ensure each fixture is secure in bracket by engaging with both mounting clips before installing the next fixture.
12. To remove fixtures from bracket, push fixture release tab (see Figure 13.2).

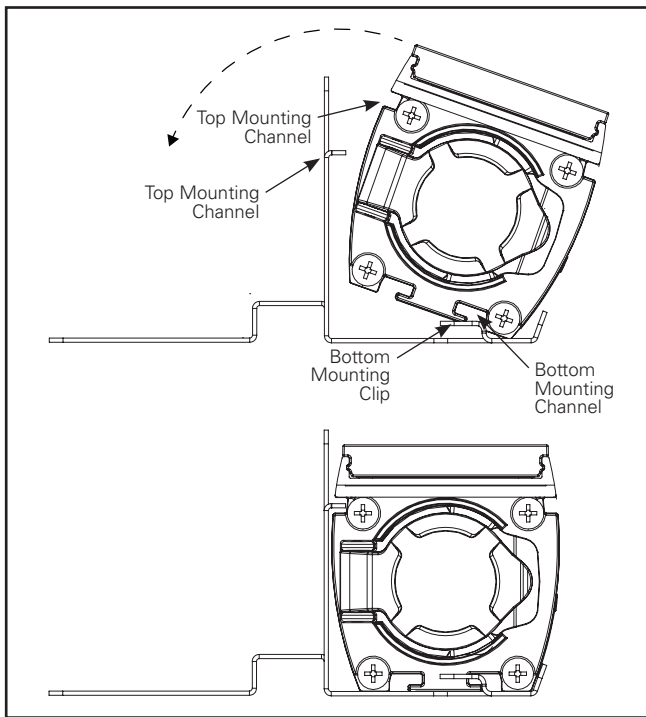


Figure 13.1

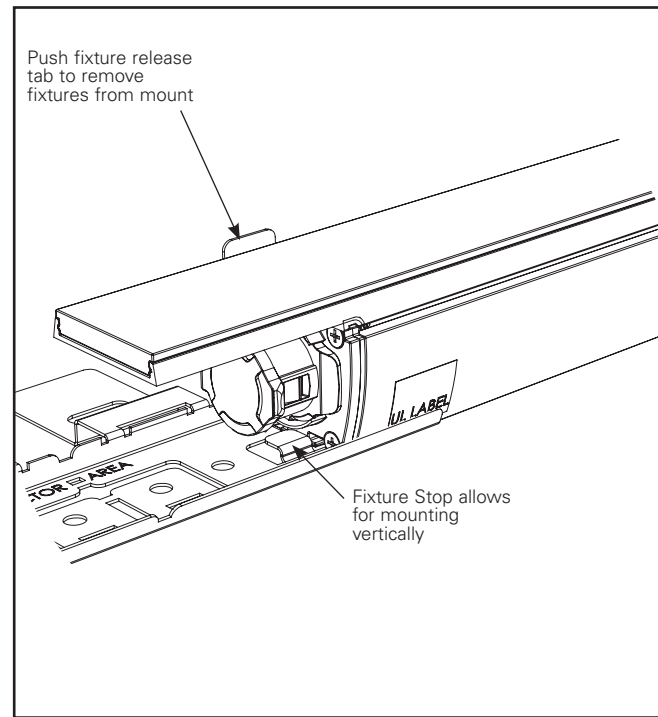


Figure 13.2