



LumRUN Linear Facade Fixture

Installation Instructions for Wall Mount and Top Mounting Linear Runs



Wall Mount



Top Mount

These instructions provide the best practices for installing the LumRUN exterior linear LED. **Please read through instructions completely before starting installation.**

For any questions, contact LumESCO tech support at:

info@lum-esco.com

Toll Free # 866-458-6372

PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING WITH INSTALLATION

Important Safety Information Before Starting Installation:

- Disconnect power before installation or servicing.
- **DO NOT OPEN FIXTURES.** Fixtures are factory sealed and product warranty will be voided if the product seal is broken.
- Must only use LumRUN installation whip kit to ensure watertight integrity and product warranty.
- Installation must be performed by a qualified electrician in accordance with national and local electrical codes.
- Verify grounded as required by local code or National Electrical Code and the supply voltage is compatible with fixture rating before energizing and confirm end of each run power whips are capped with plug provided in whip kit.
- Wear appropriate PPE including safety glasses and gloves.
- Confirm all material has been received
- Maintenance should be scheduled to ensure maximum fixture performance. **Inspect fixtures annually** for secure mounting, electrical connection integrity, signs of corrosion or damage, and proper operation. Maintenance should also include **quarterly cleaning and performance monitoring.**



LumRUN Linear Facade Fixture shown packed in carton.



LumRUN Linear Facade Fixture carton components.

- (1) Fixture
- (2) Wall mount brackets
- (2) Top mount brackets
- (1) parts bag



LumRUN Linear Facade Fixture Installation whip kit carton components.

- (1) Single-Gang Weatherproof Junction Box with Cover, Gasket, and Mounting Hardware
- (1) 5 ft Hardwire Supply Cord with Male Quick-Connect Connector
- (1) 5 ft Hardwire Supply Cord with Female Quick-Connect Connector
- (1) 1/2 in. NPT Cord Grip (Strain Relief)
- (2) Protective End Caps for Connectors at end of run (1 Male and 1 Female)
- (1) Install instruction sheet

LumRUN Linear Facade Fixture mounting template carton components (one template required per project).

- (1) Template



Inspect all components for shipping damage and advise carrier immediately upon receipt of order of any noted physical damage to fixtures. Notify LumESCO immediately for any missing material not included in carton(s) as noted.

Tools Required (supplied by others):

- Tape Measure
- Level
- Pencil or Marker
- Drill/Driver
- Drill Bits (as required for mounting surface)
- Phillips and Flat Head Screwdriver
- Nut Driver, Socket Set and or Adjustable Wrench
- Wire Strippers
- Side Cutters (Diagonal Pliers)
- Utility Knife
- Personal Protective Equipment (Safety Glasses and Electrical Gloves)



Wall Mount



Top Mounting

Installation Materials Required (By Others)

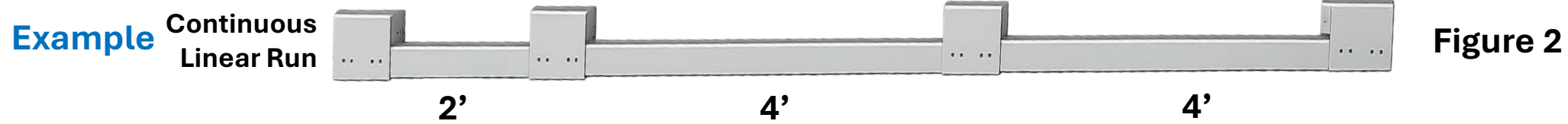
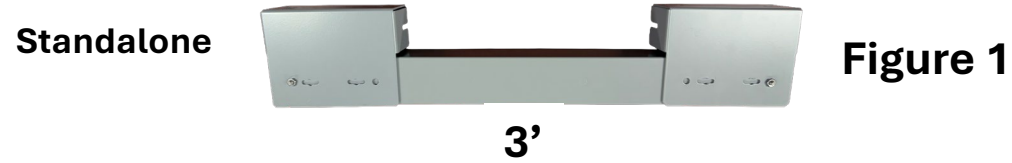
- Mounting hardware suitable for the wall, parapet (Wall Mount) or ceiling, soffit or cove (Top Mounting)
- Approved wire connectors (wire nuts or equivalent)
- Weatherproof sealant (if required by local code or installation conditions)

Note:

Required tools may vary depending on the mounting surface, local electrical codes, and installation method. All electrical work must be performed by a qualified electrician in accordance with applicable national and local electrical codes.

Mounting Template

- Mounting template provided for correct mounting hole locations for the 2-, 3- and 4-foot LumRUN standalone fixture (Figure 1) and in a continuous linear run (Figure 2)



PREPARATION FOR MOUNTING HOLES

- Lay “L-shaped” template (Figure 3) on top of parapet wall to mark locations for wall mount bracket drill holes
- For mid wall mounting,
 - Mark a straight line at the correct height for fixture mounting
 - Flip template appropriately, so lays flat against the wall and the A and B holes are still orientated on left side of template
- Mounting template only for marking hole locations for wall mount brackets. **DO NOT USE FOR DRILLING.**
- Mark drill hole locations for fixture lengths for linear run according to template directions below.

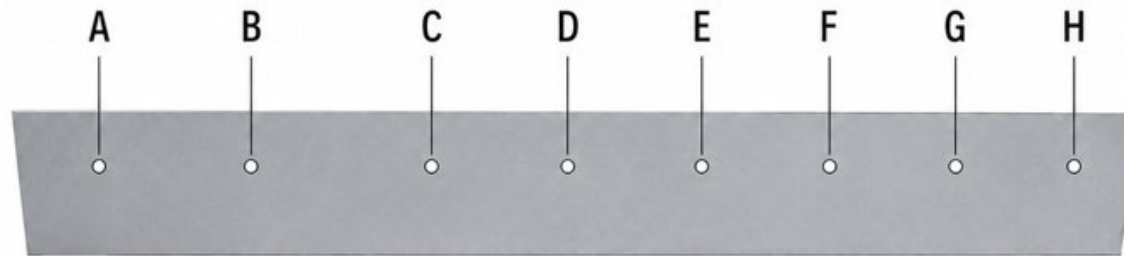


Figure 3

The L-shaped mounting template features a 90° flange that rests securely on the top edge of the parapet wall, ensuring accurate alignment and repeatable wall bracket hole locations.

Before You Begin

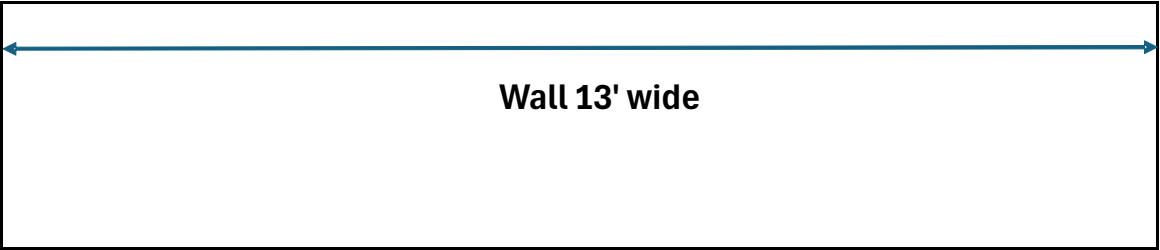
- Review row layout drawings before installation, verifying fixture quantity, length, and mounting configuration.
- Confirm mounting surface is structurally sound, level, and suitable for the fixture load.
- Must use the supplied mounting template for proper installation. Mark all mounting-hole locations correctly before proceeding with drilling.

Installation Instructions for Top of Parapet Wall and Mid Wall Mounting Linear Runs

EXAMPLE

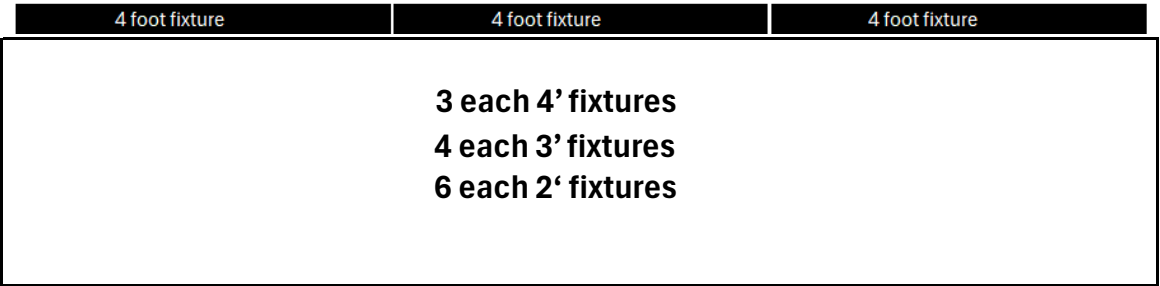
Step 1:

Measure the total length of linear wall



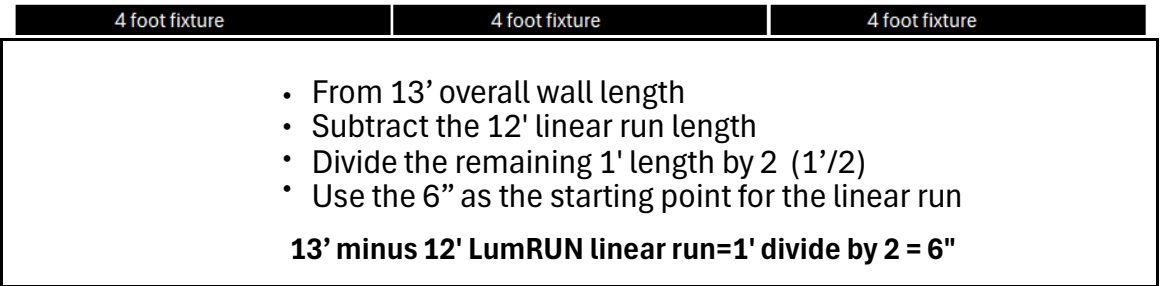
Step 2:

Determine the fixture lengths for linear run (12 feet wide)



Step 3:

Determine the starting point of the linear run, ensuring remaining space is evenly distributed on each side of the fixtures



STEP 4: Mark the starting point for the linear run (see figure 4)

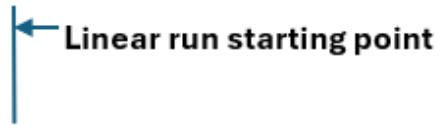


Figure 4

STEP 5: Measure 1 inch to the left of the starting point off the linear run and make a mark (see figure 5).

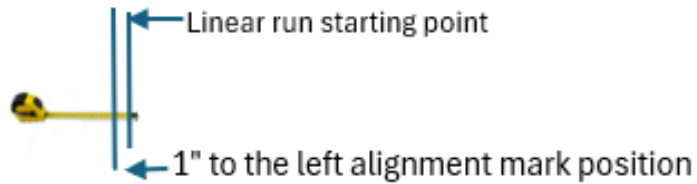


Figure 5

STEP 6: Place the template on the mounting surface at the 1-inch alignment mark positioned at the left side of the linear run starting point (see Figure 5). Mark the locations for holes A and B to install the first mounting bracket, as shown in Figure 6.

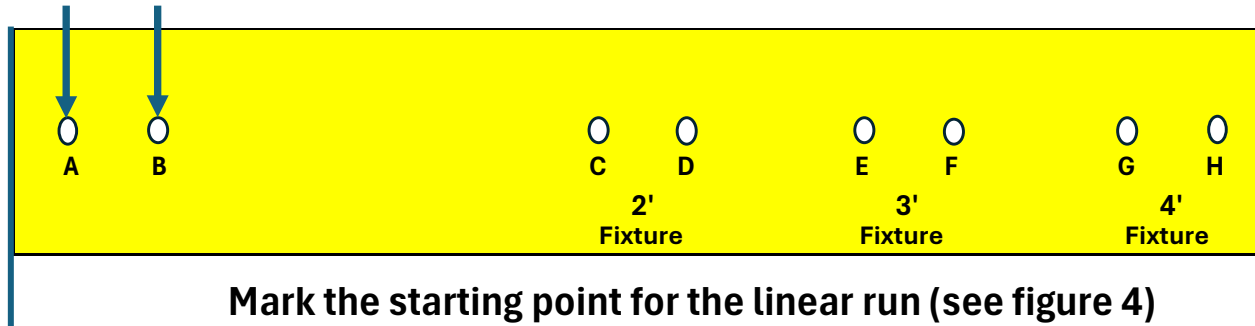


Figure 6

STEP 7: From center of hole B (second hole marked), measure out the appropriate distance for the specific fixture length based on the information below and mark (see figure 7)

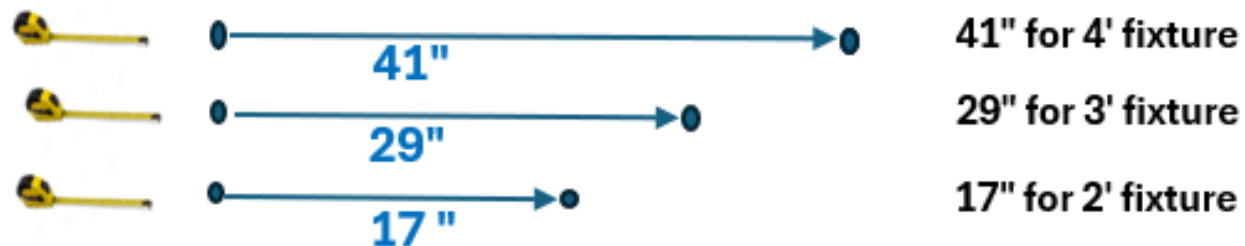


Figure 7

STEP 8 Line up the marked hole (from figure 7 above) with the A hole (first hole) in the template and mark the B hole (second hole see figure 8 below)

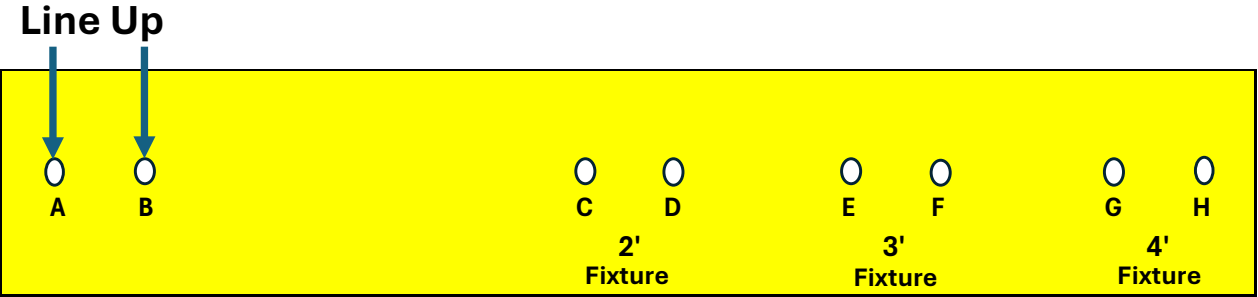


Figure 8

STEP 9 Then mark both holes of the next fixture size in the linear run 2 foot (C and D) , 3 foot (E and F), or 4 foot (G and H) as shown in the Figure 9 below

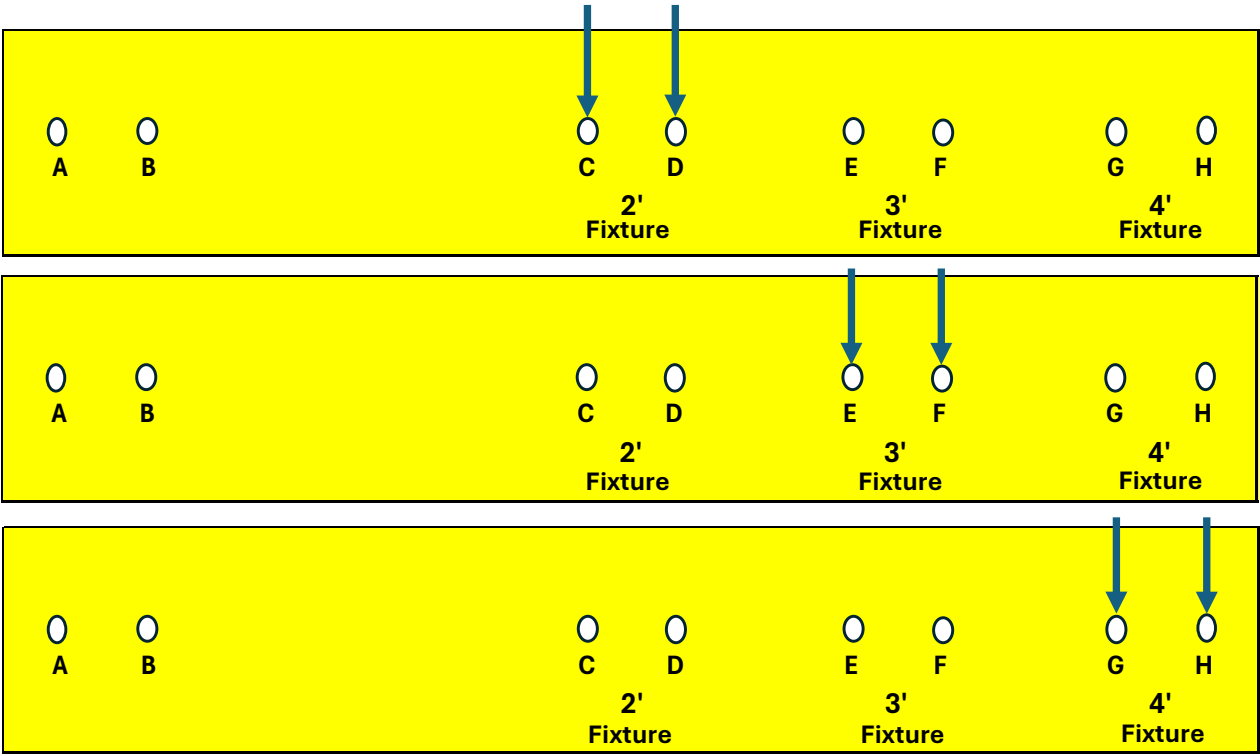


Figure 9

STEP 10 Then move the template right to line up the last two mounting holes marked above (in figure 10) with the A and B holes, and mark the next fixture size in the linear run mounting holes, 2' (C and D) , 3' (E and F), or 4' (G and H) as shown in the figure 10 below

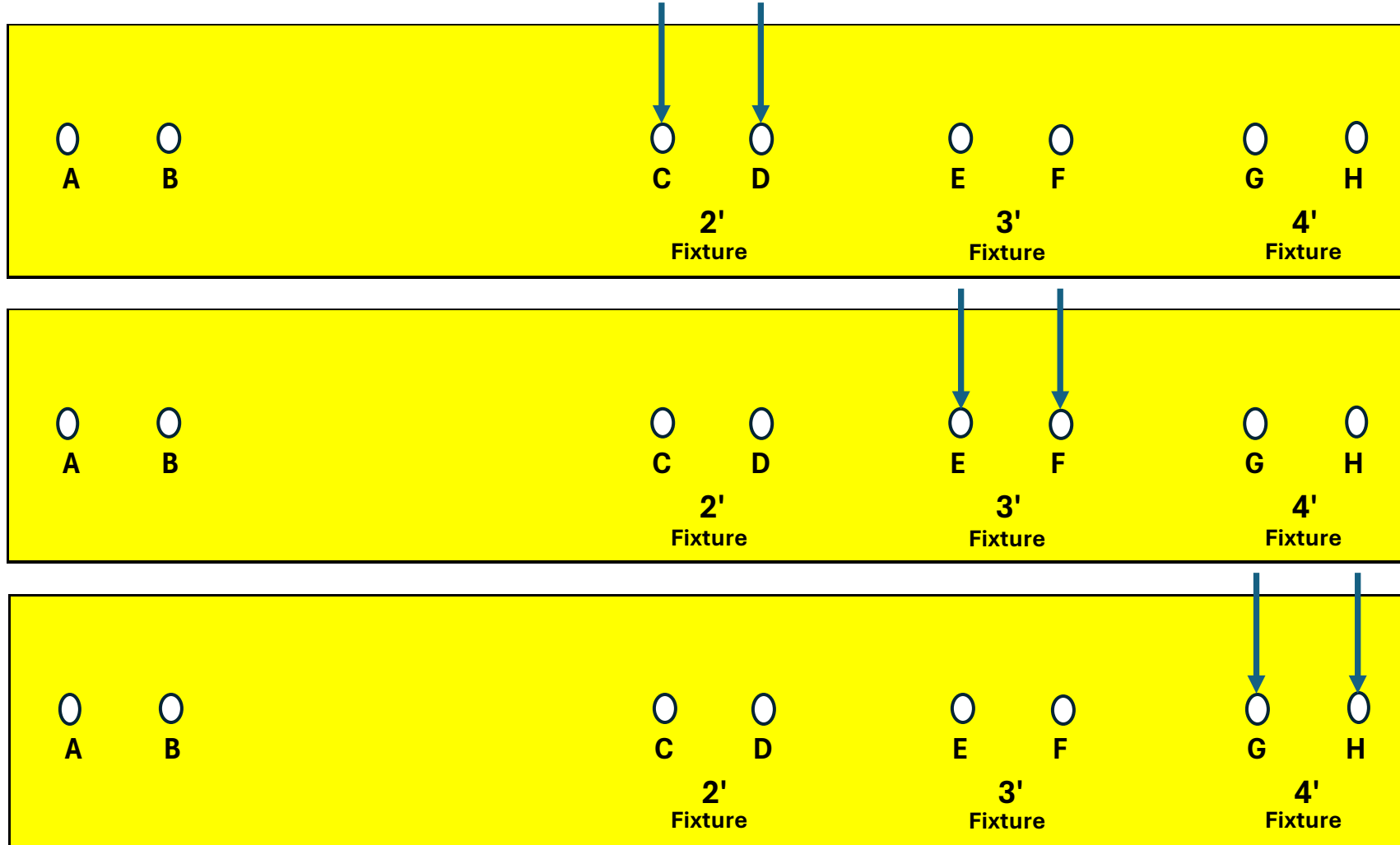


Figure 10

STEP 11 Repeat the above step (see figure 10 above) until you reach the last fixture required for the linear run.

STEP 12 For the last fixture in the linear run, from the previous fixtures last hole marked (D, F, or H), for the required fixture length, measure out the noted length for the required last fixture and add a mark (see Figure 11 below)

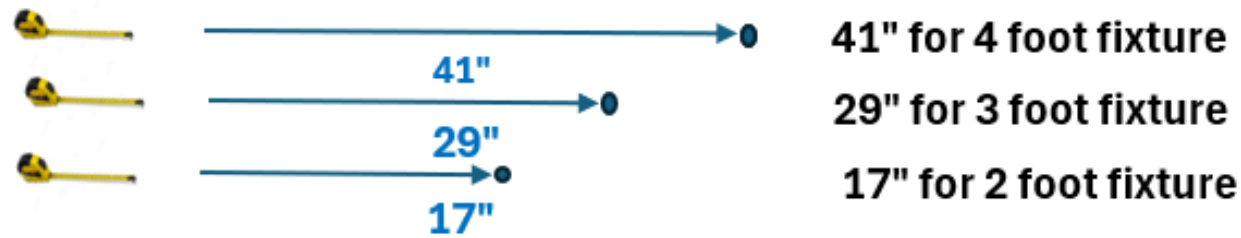


Figure 11

STEP 13 On this last hole marked, take the template and line up on the first hole for the fixture length (C for 2' foot, E for 3' and G for 4') and then mark for the second hole (D for 2', F for 3' and H for 4') as shown in Figure 12

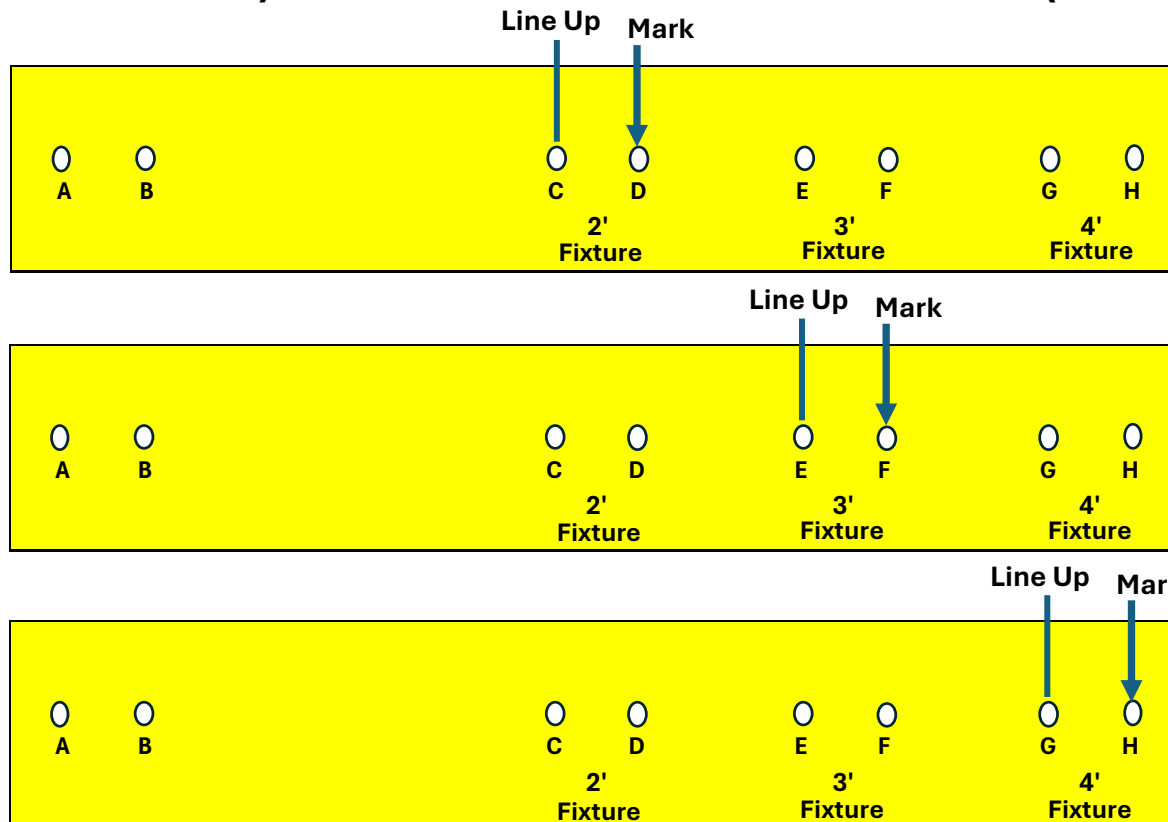
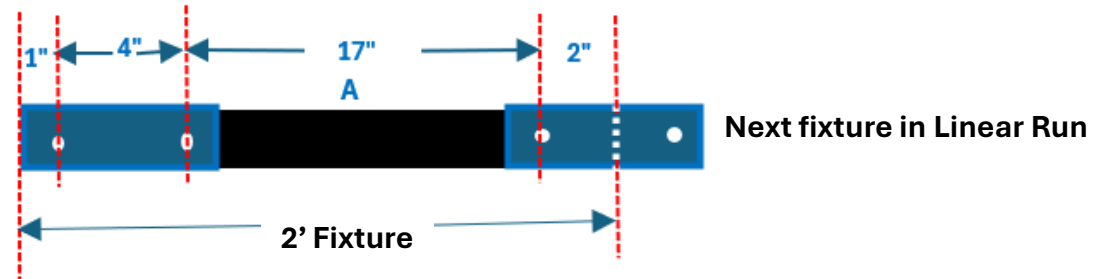
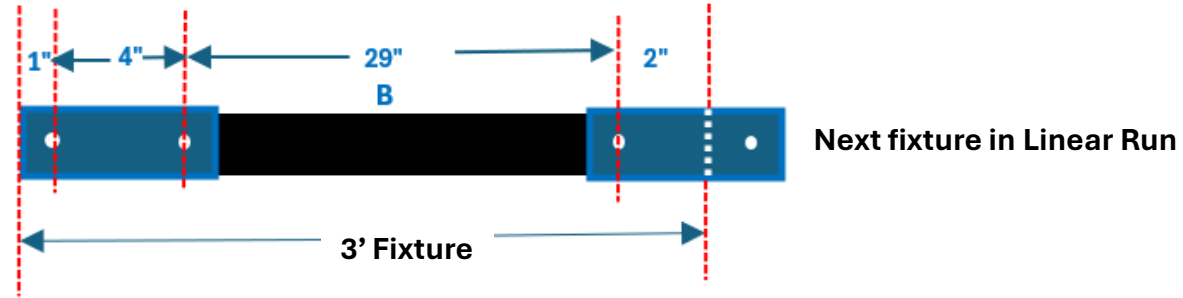
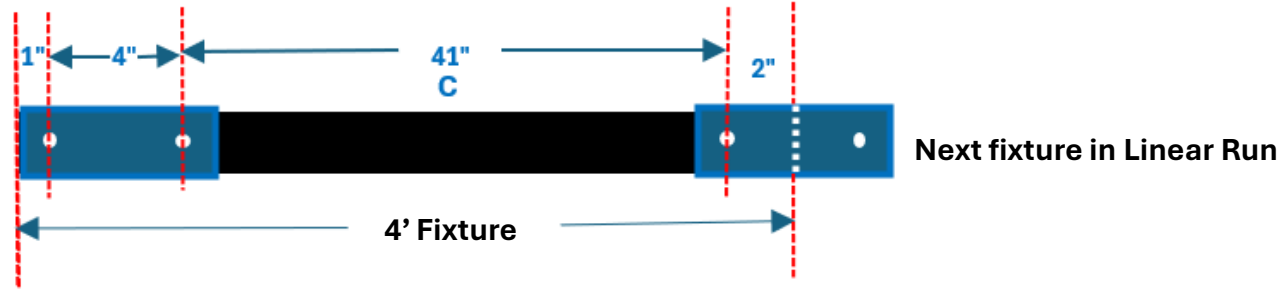


Figure 12

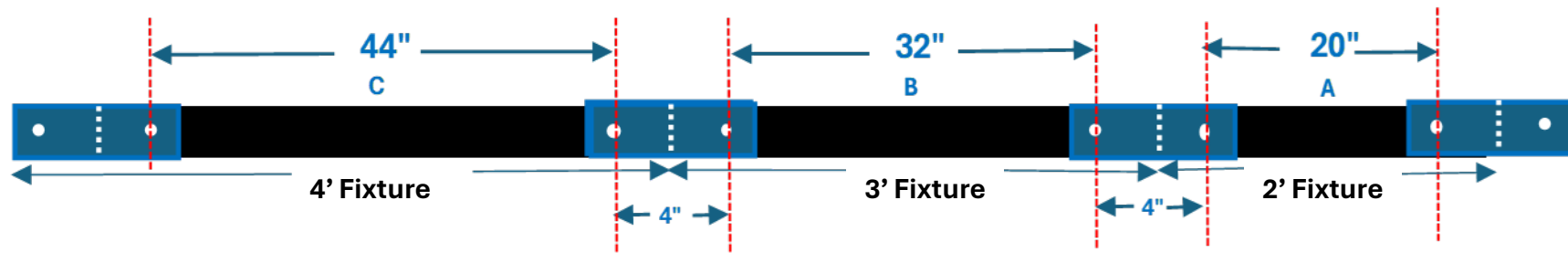
STEP 14 Before drilling holes, double check all mounting marks made. The below guide provides confirming measurements for all fixture sizes:

LumRUN	Stand Alone Fixture Length	Threaded Stud Distance	Start and End Run Measurement
2 foot	24"	22"	17"
3 foot	36"	34"	29"
4 foot	48"	46"	41"

Linear Run Starting and Ending Offset Bracket Measurements

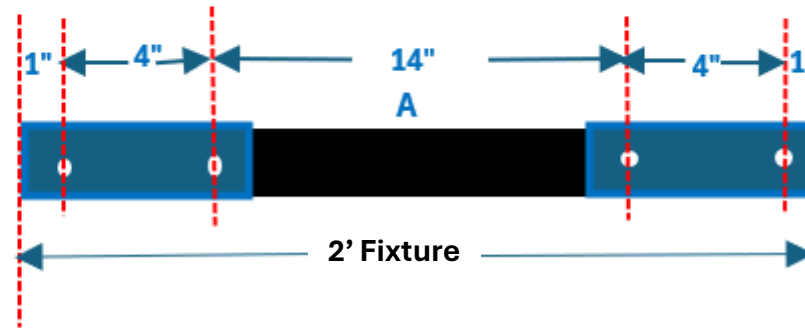
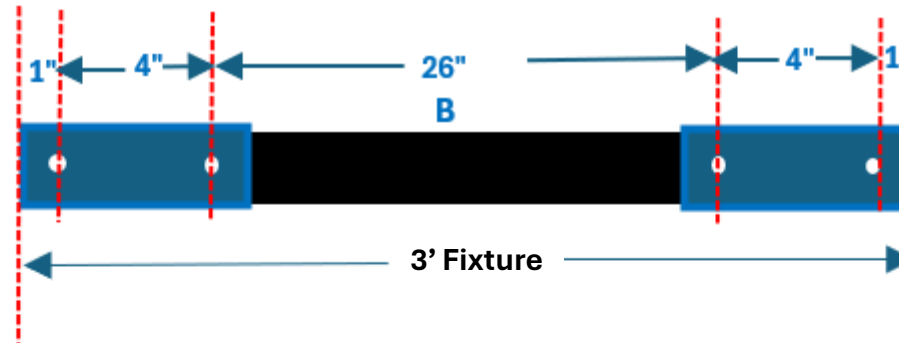
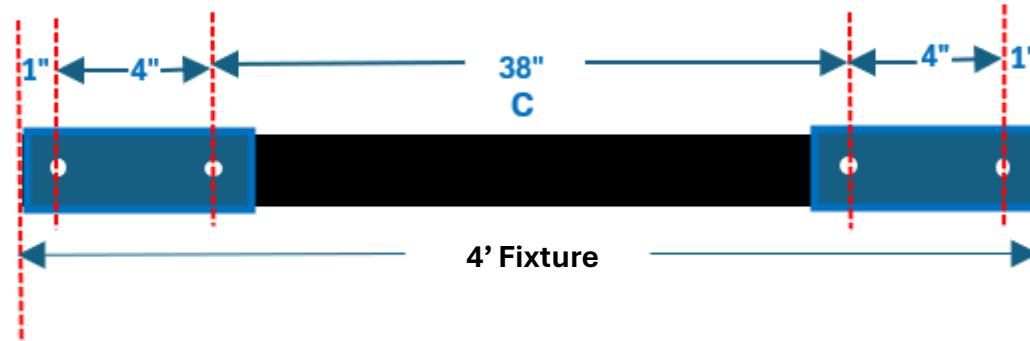


Fixtures Mounted in Middle of a Linear Run- Measurements



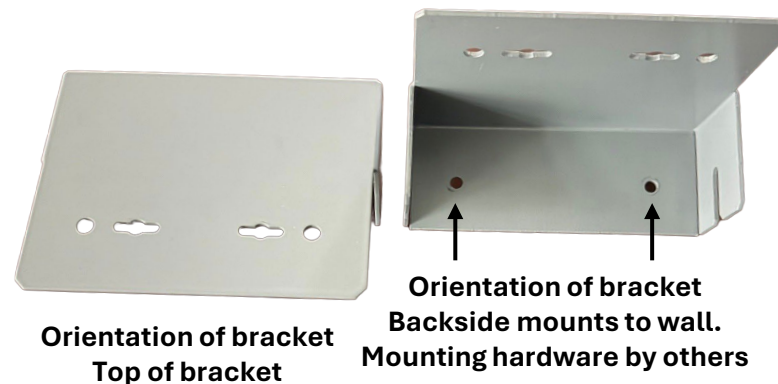
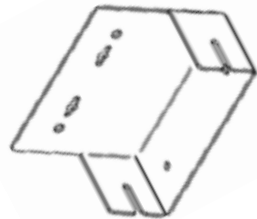
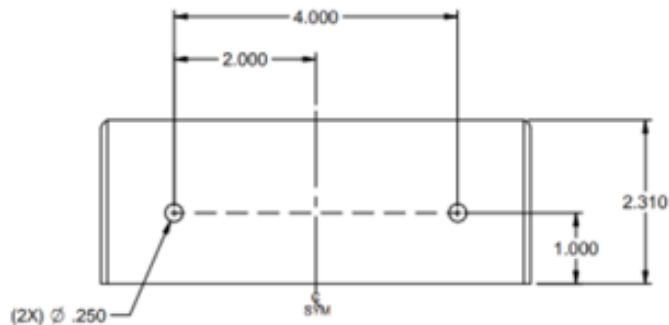
Standalone Fixtures Bracket Measurements

Not applicable to provided template. Must be field measured



STEP 15 :

Wall Bracket Installation:



STEP 16 :

Wall Bracket Installation:

- **Attach Wall Brackets** – Secure the supplied wall mount brackets to the previously marked mounting locations using appropriate mounting hardware (by others).
- **Verify Alignment** – Confirm all brackets are level, properly spaced, and securely fastened before installing the fixture.
- **Mount the Fixture** – Lift the fixture onto the installed wall brackets and ensure it is fully seated.
- **Secure the Fixture** – Tighten all bracket fasteners with nuts provided to lock the fixture firmly in place.
- **Confirm the fixture is securely fastened to the wall brackets before proceeding.**
- **Install Additional Fixtures** – Continue mounting the remaining fixtures and install all joining hardware to create the continuous linear run.
- **Connect Fixture Wiring** – Connect the **male and female connector plugs** between fixtures. Ensure the connectors are fully seated and locked together (refer to Figure 14).

TIP: Connect each fixture as you move down the run.

- **IMPORTANT SAFETY STEP:** Terminate the end of the run with the correct end cap supplied for the wiring harness (refer to Figure 15).
- **Connect the Power Feed** – Connect the power cord from the junction box to the end fixture of the linear run (refer to the **Whip Kit Installation Instructions**) (refer to Figure 13).
- **Final Inspection** – Verify all fasteners are tightened, the fixture run is straight and secure, all connector plugs are fully engaged, and all electrical connections are complete before energizing the system.



Power into fixture/linear run

Figure 13



Connection of fixtures in linear run

Figure 14

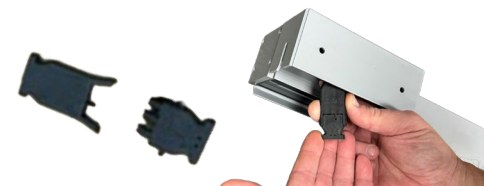


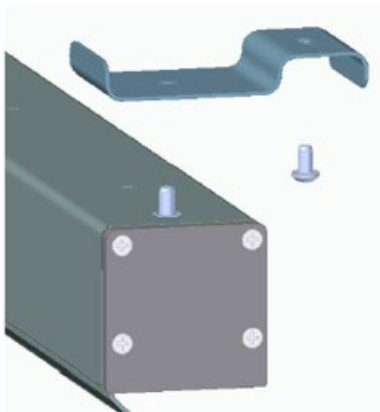
Figure 15

Important SAFETY step!

For the final fixture in a linear run, install the proper plug from the parts kit to close the open connection and ensure the connector is fully concealed within the mounting bracket.

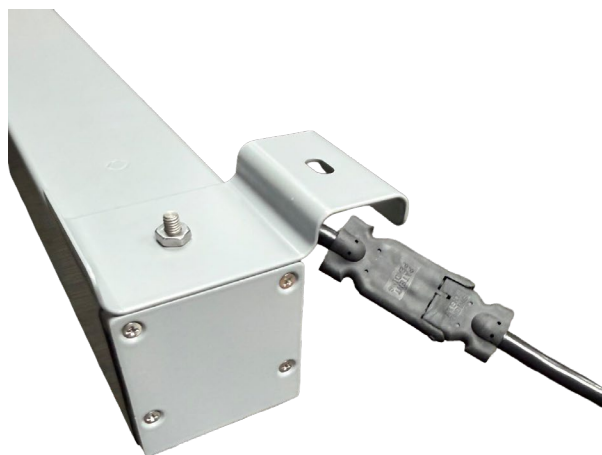
Installation Instructions for Top Mounting Bracket Linear Runs

- Mark a straight chalk line if space allows.
- Mount the top mounting bracket to the top of the fixture at both mounting threaded studs (refer to figure 16) with the hardware provided. The wide part of the bracket mounts to the top of the fixture as shown and the bracket points to the back of the fixture.
- Move the fixture so the bracket is up tight against the wall or along the guideline.
- Run a self tapping screw (provided by others) through the hole to mount to fixture to ceiling, soffit or cove. Note, for tight spacing, just butt the two ends of the fixtures together and place the edge of the bracket against the side wall for fixture positioning. Confirm fixtures are securely fastened to ceiling.
- Connect the male and female connector plugs and confirm that they are properly seated together (refer to Figure 17,18,19).
- Connect the whip from the Jbox to the end of the fixture run (refer to whip installation instructions)



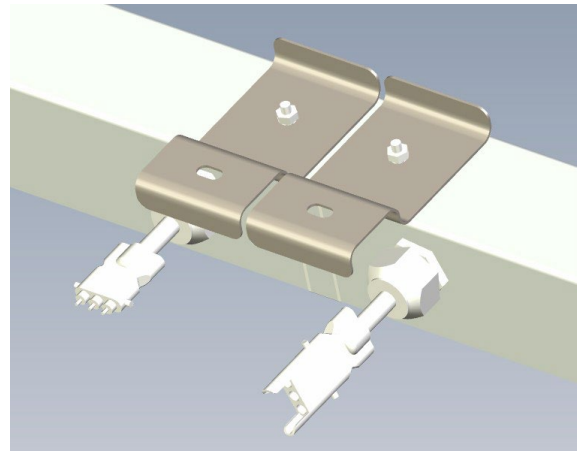
Proper mounting orientation for top mount clip to fixture

Figure 16



Connect power to fixture and linear run

Figure 17



Orientation of mounting fixtures for linear run

Figure 18



Connect power between fixtures in linear run

Figure 19

- **IMPORTANT SAFTEY STEP:** Terminate the end of the run with the correct cap supplied for the wiring harness Figure 20



Figure 20

Power Junction Box Mounting Instructions:

- **IMPORTANT: Ensure power is off to junction box before making connections**
 - The power feed junction box may only be installed at the left or right end of the linear fixture run.
 - The power cord is 60" long. Mount power box within reach of fixture starting point. Allow for a drip loop / sag in power cord.
 - Do not install a power feed in the middle of a continuous run.
- Mount the Junction Box
 - Install the supplied junction box in accordance with all applicable local and national electrical codes.
 - For best results, mount the junction box behind the parapet of either end of the linear run.
 - Mount close enough to fixture so cord creates a drip loop.
- Mounting hardware by others. Determine Feed Direction
- Select the correct 60-inch input cord (male or female) based on the junction box location:
- Install the provided cord grip.
- Tighten the locknut securely.
- Route the power cord to starting fixture.
- Feed the cord through the cord grip into the junction box.
- Tighten the compression fitting to securely clamp the conduit.
- Make Electrical Connections
- Connect the branch circuit conductors to the cord whip.
- Verify all wiring complies with applicable electrical codes and fixture run is properly mounted.
- Complete the Installation
- Install the junction box cover.
- Ensure all unused knockouts are properly installed.
- Verify all fittings are tightened to maintain integrity of the installation.
- Connect the power cord to the first fixture in the linear.

