



by Signify

Architectural Linear

SyncLine

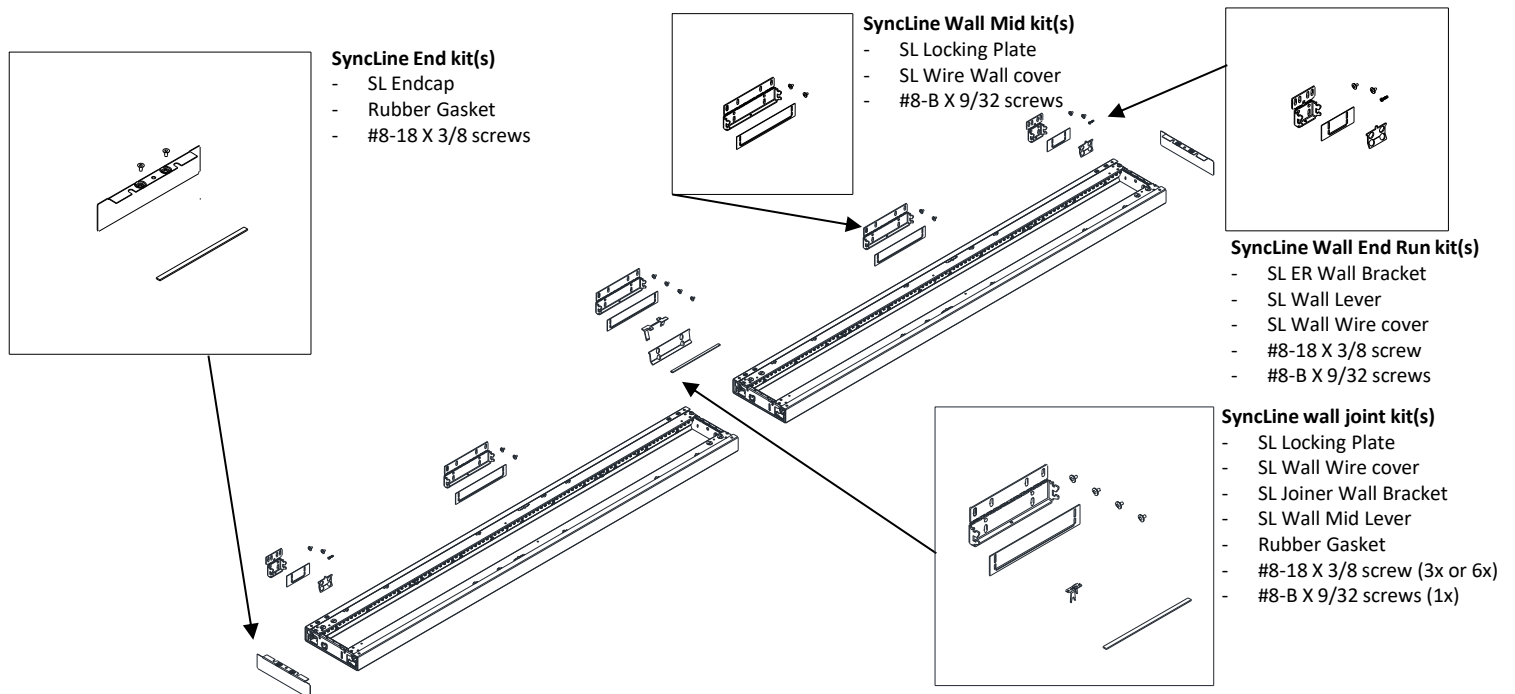
IS-SL SyncLine Wall



System Overview

These instructions review how to install SyncLine wall fixtures. SyncLine 4ft, 6ft, and 8ft modules can be installed as individual standalone units, or they can be joined together to create continuous run. The graphic below shows the components required to install a typical run or a SyncLine standalone fixtures.

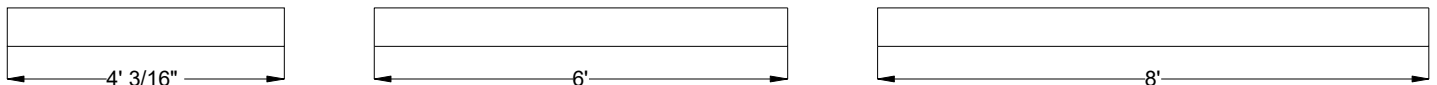
IMPORTANT: Read all instructions including fixture/sensor wiring AND mechanical details **before** beginning installation.



TOOLS REQUIRED: Phillips screwdriver, 3/8" nut driver flat or #2 Robertson screwdriver

Module Lengths

SyncLine suspended systems come in 4ft, 6ft, and 8ft modules. Overall module lengths are shown below. Module lengths do not include endcaps.



Indicates overall length of fixture.
(excluding endcaps)

Endcaps

Two endcaps are required per run regardless of the length of the run. One endcap on each end of the run.

! **ATTENTION: Install in accordance with local and national building and electric codes.**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**IMPORTANT:**

Disconnect or turn off power before attempting any installation, service or maintenance



Fixture must be connected to building ground via the provided ground wire before re-connecting to mains power supply.

**Power Label Location**

Power labels can be found on top of light engine pans. If dustcover is installed, please remove before installation.

**Power Feed Location**

Four power feed location provided on all lengths: two on each end of fixture.

**Prepare Fixtures**

Arrange boxed fixtures on floor in specified mounting locations, based on supplied layout drawings. Remove fixtures from boxes

Note: If conditions are dusty/dirty, recommended practice is to leave fixtures in their plastic bags.

Cut small holes in the bag as needed to complete the following installation sequence, and then completely remove the bag from the fixture when conditions are clean. This prevents dust and dirt build up on the fixtures.



ATTENTION: Install in accordance with local and national building and electric codes.

Module Lengths and Standalone Mounting Points

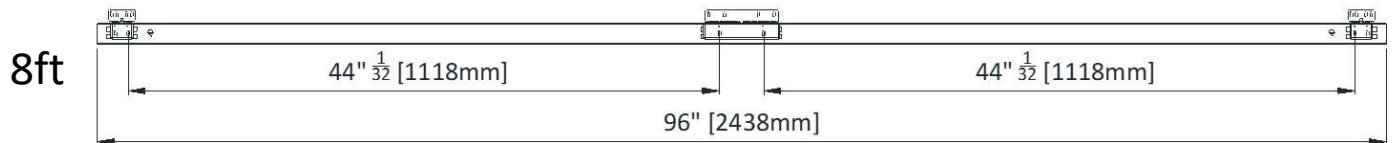
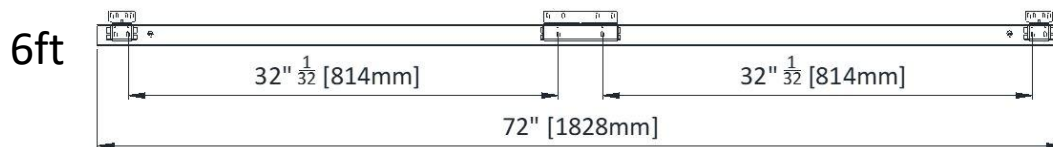
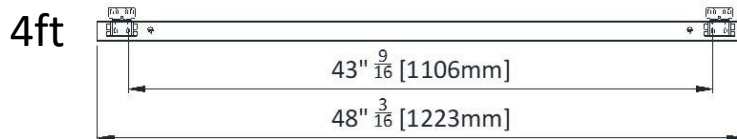
SyncLine wall systems comes in 4ft, 6ft and 8ft. Standalone mounting points and overall module lengths are shown below.



End of fixture to end of run wall bracket

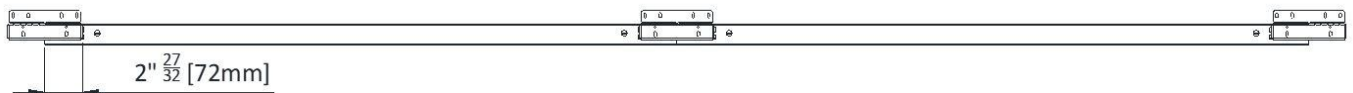
End of fixture to power EKO

Indicates mount spacing

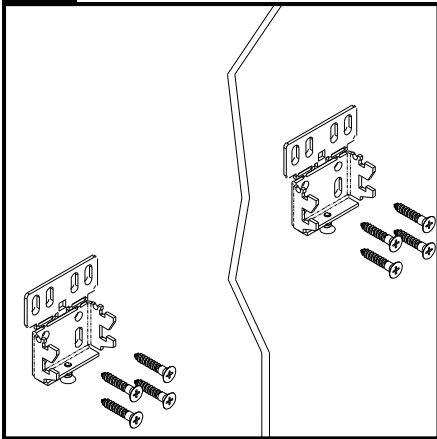


Continuous Run

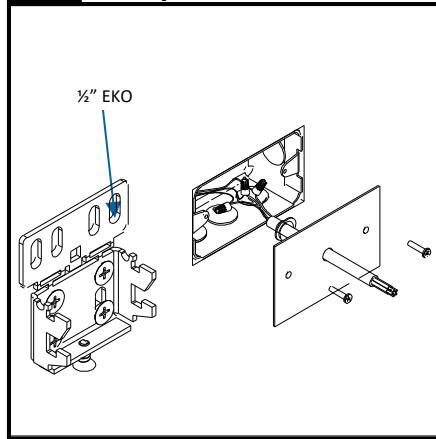
For continuous runs, the fixture is mounted with the joiner wall bracket at wall joints. A continuous run of two 4ft fixtures is shown below. The spacing between joint bracket and fixture is $2 \frac{27}{32}$ " (72.22mm) from end of fixture in any configuration.



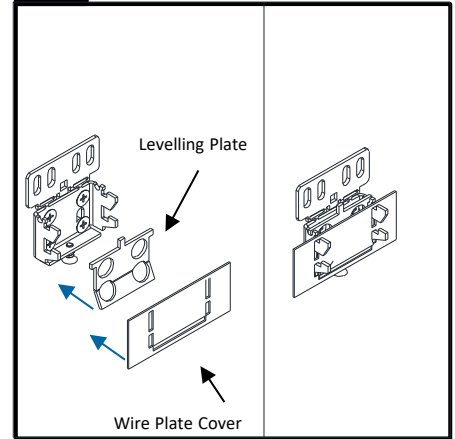
! ATTENTION: Install in accordance with local and national building and electric codes.

1 Install Wall Brackets

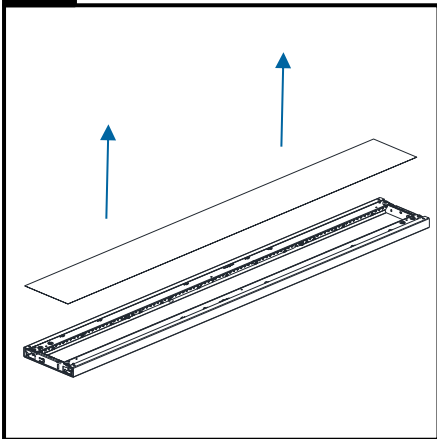
Determine fixture mounting location and secure wall brackets to structure using appropriate fasteners (four per bracket, supplied by others). 4ft fixtures: Require two bracket assemblies; 6ft & 8ft fixtures: Require three bracket assemblies. Brackets must be installed a maximum of 1.6" from end of fixture (on 6ft & 8ft fixture, the third bracket should be installed in the middle). See page 2 for mounting bracket location.

2 Install Utility Box and Utility Box Cover

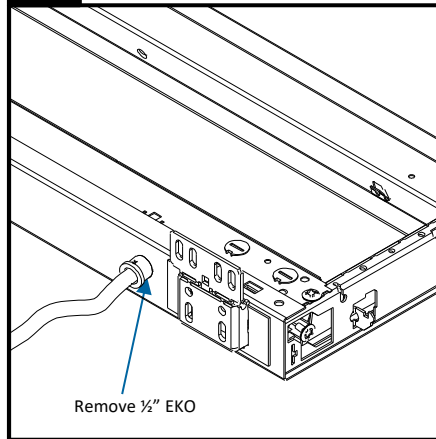
Determine power feed location, install 2"x4" utility box (supplied by others) parallel to fixture. Utility box must be installed at least 3.8" from end of fixture. Bottom of utility box must not be lower than the bottom of fixture. Complete connections at box with supplied power cord. Attach cover bracket. Punch power access hole in cover, feed power cord through, attach strain relief and box cover.

3 Install Leveler and Wire Cover

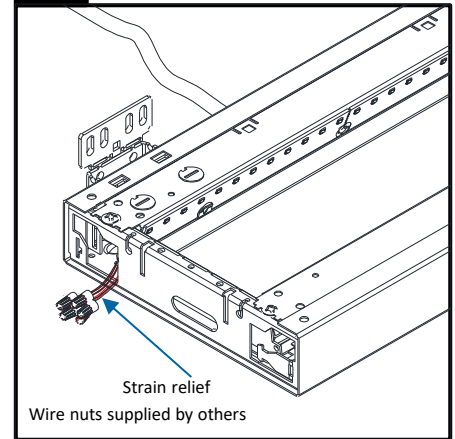
Place the leveling plate onto the bracket followed by the wire cover plate.
NOTE: Leveling plate and wire cover plate must be installed in this order as they will not be accessible afterwards.

4 Remove Dust Cover

Remove dust cover from fixture.

5 Prepare Wiring

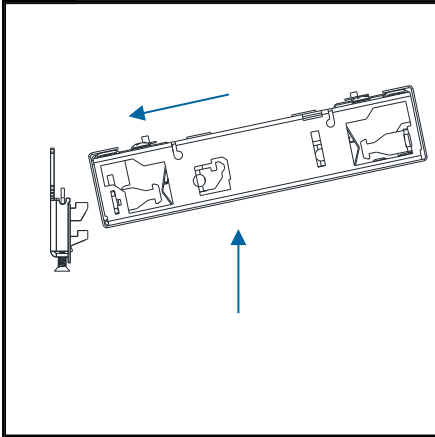
POWER LOCATIONS:
Remove required 1/2" round knockout(s). Insert power cord and apply strain relief to secure cord. For easier installation, remove LED pan.

5.1 Complete Electrical Connections

NON-POWER LOCATIONS: Cap all wires and tuck into wire cavity. **POWER LOCATIONS:** Remove installed quick wire connectors (if applicable) at power feed locations and complete electrical connections using wire nuts (supplied by others). Tuck wires into wire cavity.
NOTE: Use smallest appropriate wire nuts.

! ATTENTION: Install in accordance with local and national building and electric codes.

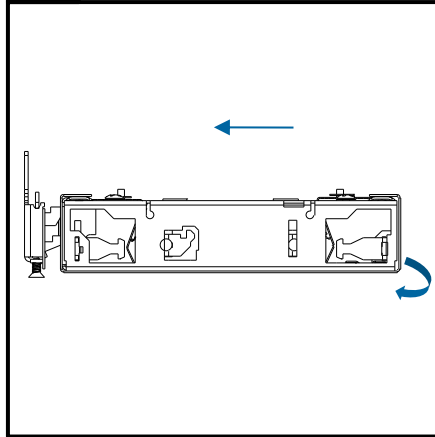
6 Raise Fixture and Engage on Wall Brackets



With two people, raise fixture into position and engage it on hooks located on top of wall brackets.

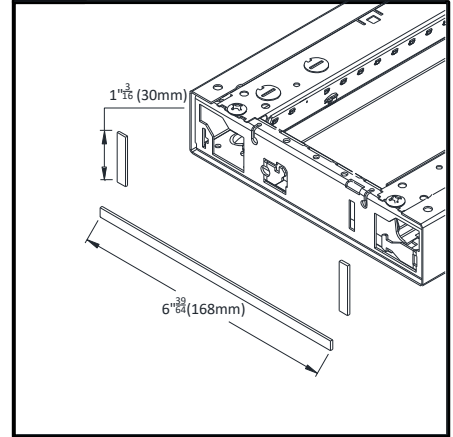
POWER LOCATIONS: Prior to engaging fixture in mounting brackets, feed installed power cord through the access hole at back of the fixture.

6.1 Raise Fixture and Engage on Wall Brackets



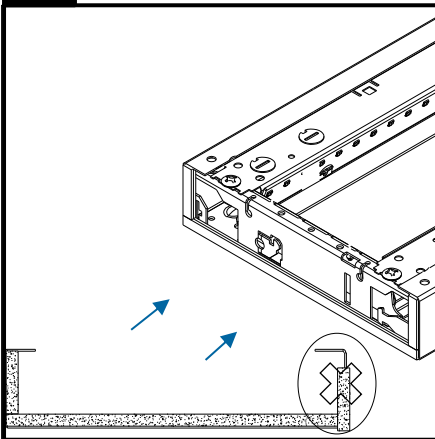
Once engaged on hooks, rotate fixture down into position.

7 Gasket Installation



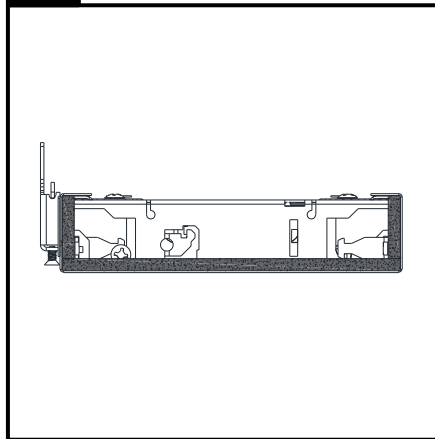
Cut, peel and stick gasket to edge of luminaire as shown. Every fixture end requires gasket installation.

7.1 Gasket Installation



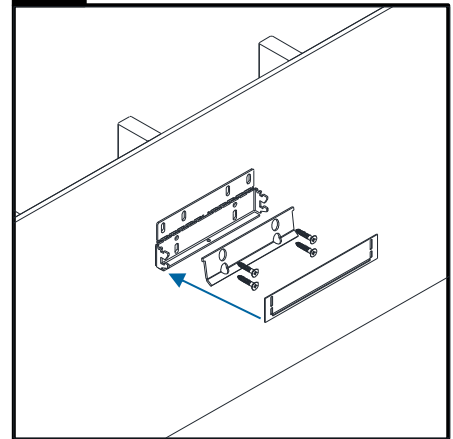
Ensure gasket is seated properly. Gasket should not protrude overall luminaire width and height.

7.2 Gasket Installation



Gasket shown in grey above.

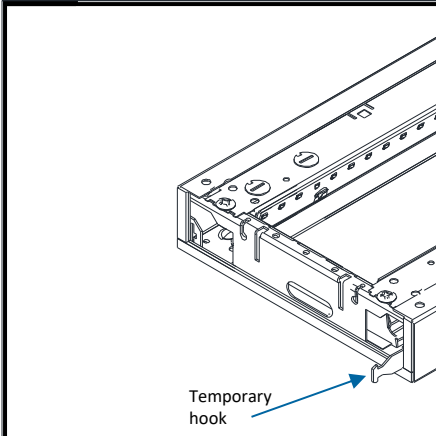
8 Adding Additional Fixture



In the event of a row, the mid run bracket needs to be installed instead of the end of run bracket. See page 2 for more details.

! **ATTENTION: Install in accordance with local and national building and electric codes.**

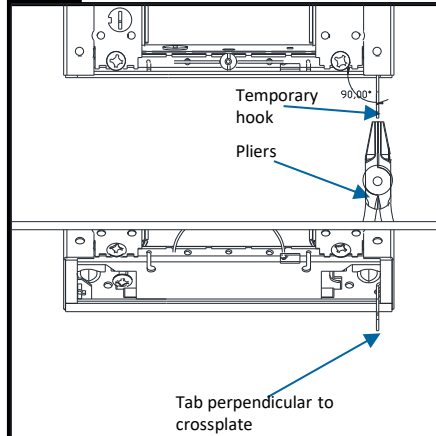
9 Join Additional Fixture to Create Row



On the additional fixture, pull out the two tabs.

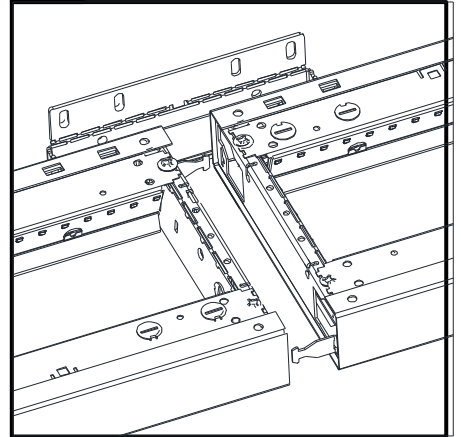
Repeat procedure for the luminaire it will be joined to.

9.1 Join Additional Fixture to Create Row



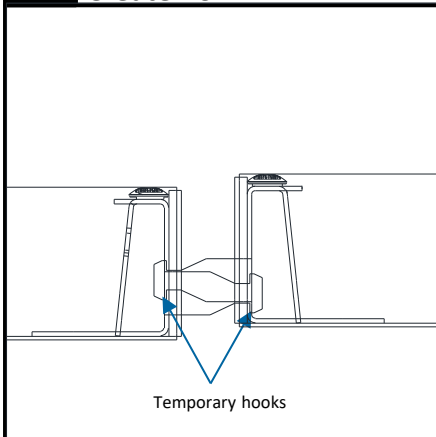
Using a set of pliers, ensure that tabs are perpendicular to fixture. This is required to ensure proper engagement to opposite fixture.

9.2 Join Additional Fixture to Create Row



With two people, raise second fixture to wall. Hook fixture on the wall mount bracket.

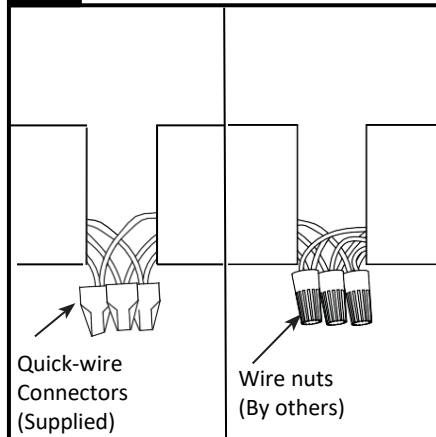
9.3 Join Additional Fixture to Create Row



At joint, insert temporary hooks into suspended fixture. Ensure temporary hook is engaged on both fixtures.

IMPORTANT: Do not attempt to join fixtures on floor. Instead, hang one fixture at a time and join modules at ceiling level.

9.4 Complete Electrical Connections

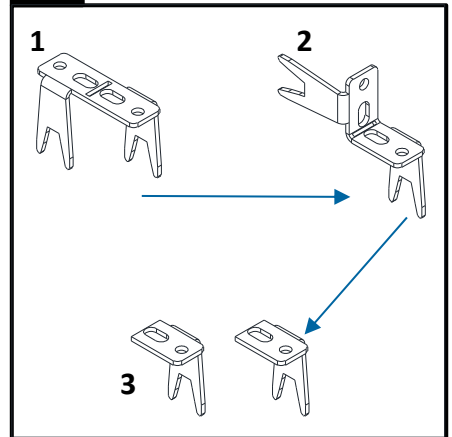


Complete in-row electrical connections.

NON-POWER LOCATIONS: Use supplied quick-wire connectors. Tuck wires into wire cavity.

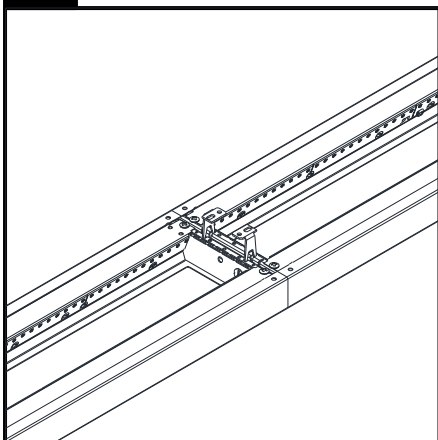
POWER LOCATIONS: Remove installed quick-wire connectors and complete electrical connections using wire nuts (supplied by others). Tuck wires into wiring cavity.

9.5 Locking Plate

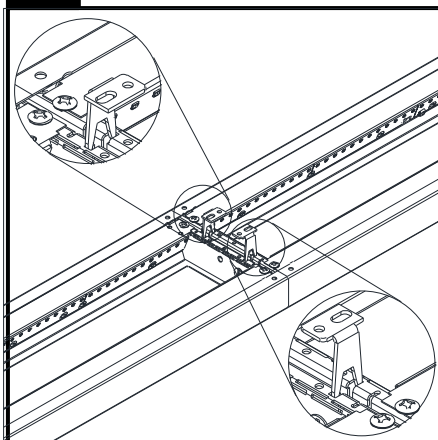


Break locking plate in two halves

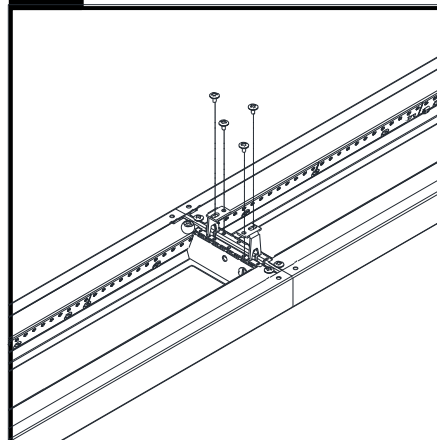
! **ATTENTION:** Install in accordance with local and national building and electric codes.

9.4 Join additional fixture

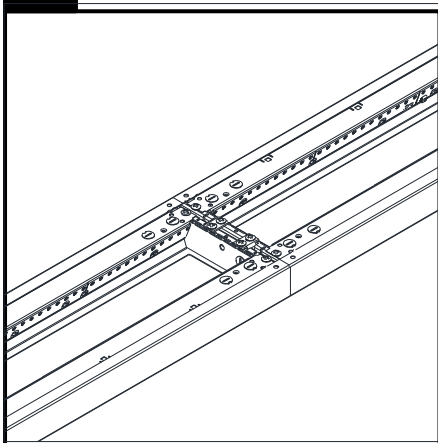
SLIDE MODULES TOGETHER: Drop in the locking plate provided in the joint kit. Locking plate will interlock the two fixtures together

9.5 Secure with locking plate

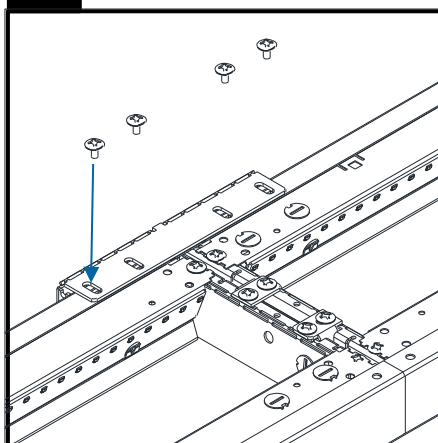
Location of locking plate insertion

9.6 Join additional fixture

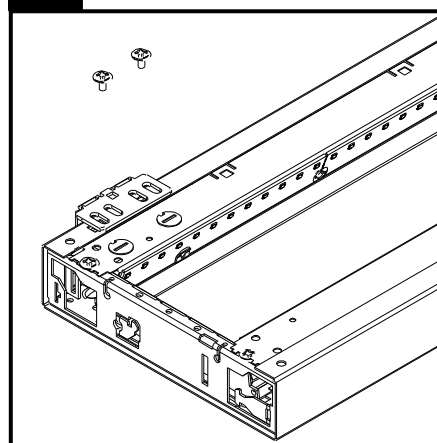
After the locking plate is inserted, secure the locking plate to the crossplate. Using a Philips head screwdriver, tighten screws until the two fixtures pull together creating a seamless gap. (A/C Sling mount removed for simplification)

9.7 Join additional fixture

Installed Locking Plates. (Wall mount bracket removed for simplification)

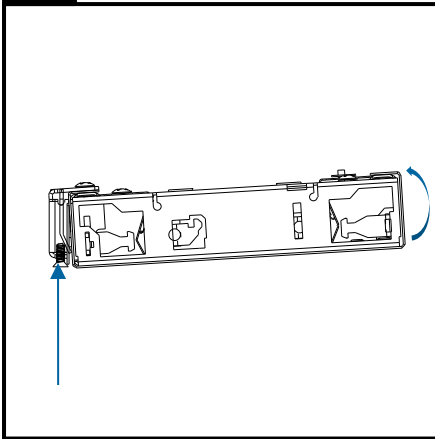
10 Secure Fixture

Fold wall mount bracket on top of joint fixtures. Using the provided Philips screws, lock the wall mount bracket to the fixtures

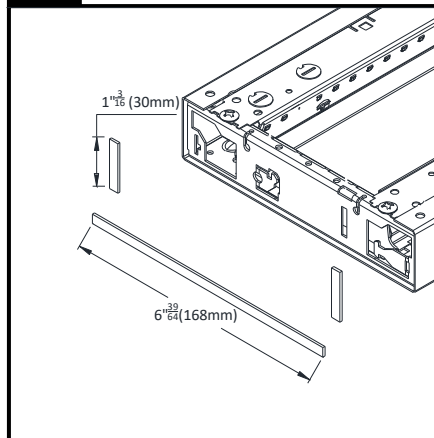
11 Secure Fixture

Repeat step 6. Fold wall mount bracket on top of fixture. Using the provided Philips screws, lock the wall mount bracket to the fixtures.

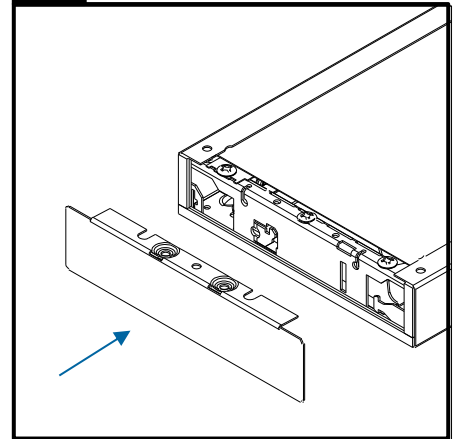
! **ATTENTION: Install in accordance with local and national building and electric codes.**

12 Level Fixture

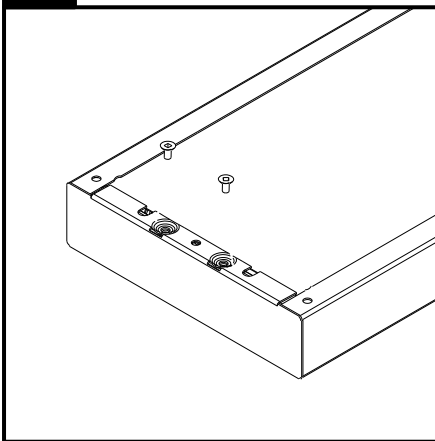
Level fixture using the 8-32 x 1/2" screw with a screwdriver.

13 Gasket Installation

Cut, peel and stick gasket to edge of luminaire as shown. Refer to step 7-7.2 for more instructions.

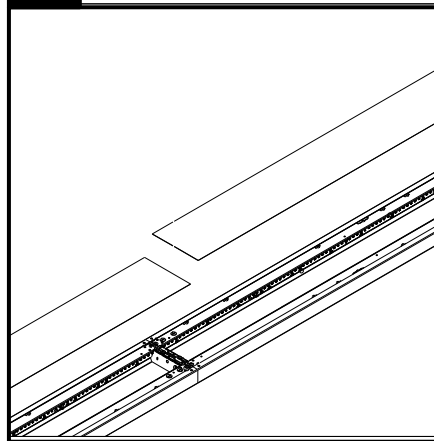
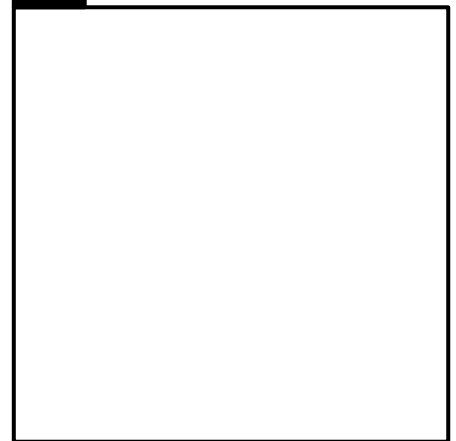
14 Install Endcaps

Place endcap on top of crossplate. Align to luminaire

15 Install Endcaps

Using the provide Phillips screws (black), attach endcaps to bracket.

IMPORTANT: Do not over-tighten endcap fasteners. Signify Ledalite recommends tightening fasteners by hand. When screwhead is flush with crossplate, turn an additional full turn

16 Install Dust Cover**13**

! **ATTENTION:** Install in accordance with local and national building and electric codes.

INSTALLATION

WARNINGS AND INSTRUCTIONS FOR LUMINAIRES

IMPORTANT: 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.

FOR YOUR PROTECTION, YOU MUST CAREFULLY READ ALL WARNINGS AND INSTRUCTIONS IN THEIR ENTIRETY PRIOR TO INSTALLATION, OPERATION, SERVICE OR MAINTENANCE. FAILURE TO DO SO CAN RESULT IN DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. If you do not understand these warnings and instructions, or if additional information is desired, please contact the Customer Care Call Center at 800-555-0050.

- Installation, service and maintenance of luminaires must be performed by a qualified professional and in accordance with all federal, state and local laws, regulations and electrical codes. This professional should be familiar with the construction and operation of this product and any hazards involved. If not qualified, do not attempt installation, service or maintenance.
- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts, abrasions and other hazards, please read all warnings and instructions included with the luminaire, on the luminaire's packaging and affixed to the luminaire itself.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaire's construction and operation and any hazards involved.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Disconnect or turn off power before attempting any installation, service or maintenance.
- Verify that supply voltage is correct by referencing the luminaire label information.
- Make all electrical and ground connections in accordance with the National Electrical Code (NEC) and any other applicable laws, regulations or codes.
- All wiring connections must be capped with UL-approved wire connectors.



WARNING

RISK OF PERSONAL INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.



WARNING

RISK OF FIRE OR PERSONAL INJURY

- Keep combustible materials away from LED/lamp & lens.
- Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.



WARNING

RISK OF FIRE, ELECTRIC SHOCK OR PERSONAL INJURY

- Allow LED/lamp & lens to cool before handling.
- Do not touch enclosure or light source.
- Do not exceed maximum wattage marked on luminaire label.
- Follow all manufacturer's warnings, recommendations, instructions and restrictions for driver type, burning position, mounting locations and replacement.



CAUTION

RISK OF PRODUCT DAMAGE

- Never connect luminaires and/or components under load with supply voltage turned on.
- Do not mount or support these luminaires in a manner that can cut the outer jacket or damage wire insulation.
- Do not restrict fixture ventilation. Allow for some volume of airspace around luminaire. Avoid covering luminaire with insulation, foam or other material that will prevent convection or conduction cooling.
- Do not exceed luminaire maximum ambient temperature.
- Do not modify the luminaire.
- Only use luminaire in its intended application and location.
- LED products are polarity sensitive. Ensure proper polarity before installation.
- Electrostatic Discharge (ESD) can damage LED. Personal grounding equipment must be worn during all installation and servicing of the luminaire.
- Do not touch individual electrical components as this can cause ESD, shorten LED life, or impact LED performance.
- Some components inside the luminaire may not be serviceable. In the unlikely event your luminaire may require service, stop using it immediately and contact the Customer Care Call Center at 800-555-0050.
- Always read the luminaire's complete installation instructions prior to installation for any additional luminaire specific warnings.
- In the case of HID or Fluorescent luminaires, regular re-lamping is required to keep luminaire operating within safe limits
- **Do not install damaged product.** Handling and installing damaged products can potentially increase the risks mentioned. In case of damage and/or missing parts upon arrival of the luminaire, please contact the Customer Care Call Center at 800-555-0050.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation or maintenance. Should further information be desired, or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to the Customer Care Call Center at 800-555-0050. Please see luminaire specific Installation and Maintenance Instruction for additional warnings or any applicable FCC or regulatory statements. Failure to follow any of these instructions could void luminaire warranties.
- **Luminaire Maintenance**
- Regular luminaire maintenance programs are recommended.
- It is recommended to clean the outside of the luminaire and the refractor/lens.
- Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user.
- If clean water is not sufficient for cleaning, use a neutral, synthetic, non-scratching and non-abrasive cleaning substance.
- Never use alkaline and/or acetous cleaning substances.
- Make sure that the cleaning substance is carefully removed by rinsing with lots of clean water.
- Signify recommends using a cleaning solution that has a PH between 5 and 8.
- Recycle: For information on how to recycle electronic products and components, please visit www.epa.gov.