LEDALITE

by signify

Architectural Linear

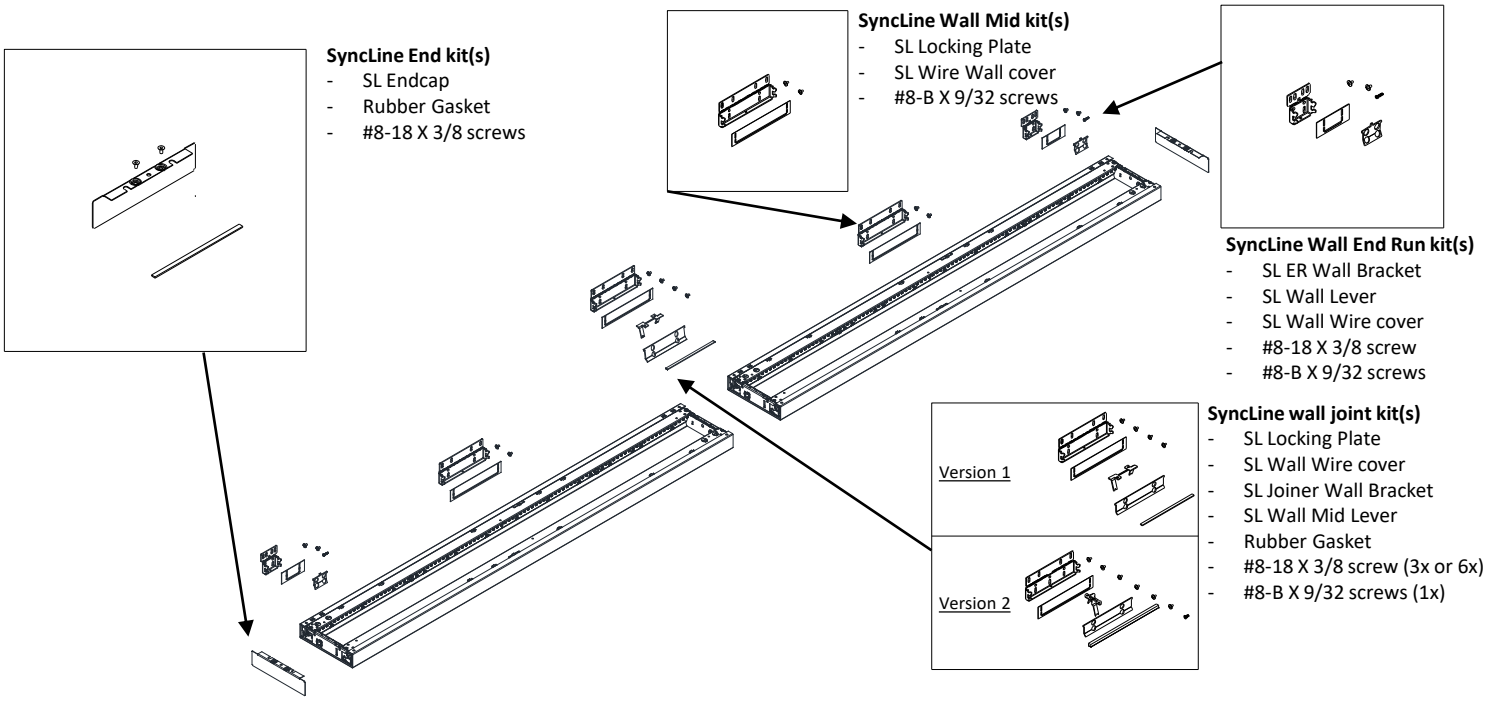
SyncLine

ID-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.

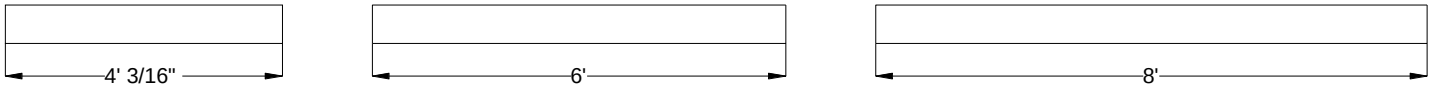
IMPORTANT: Read all instructions <u>including fixture/sensor wiring AND mechanical details</u> **<u>before</u>** beginning installation.



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 interreference 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.

i 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

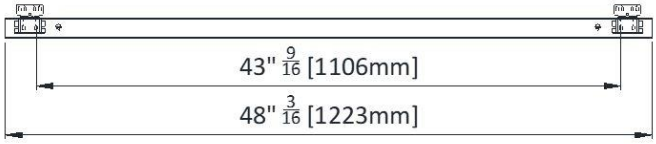
Syncline wall systems comes in 4ft, 6ft and 8ft. Standalone mounting points and overall module lengths are shown below.

End of fixture to end of run wall bracket

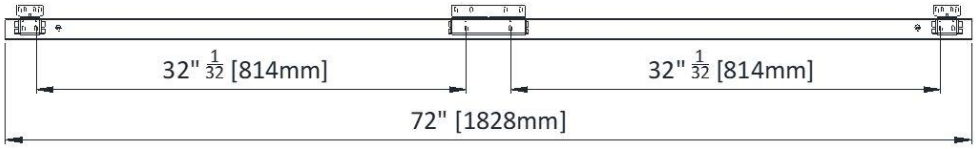
End of fixture to power EKO

Indicates mount spacing

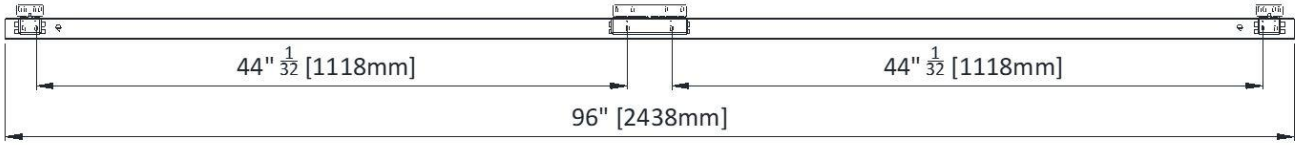
4ft



6ft

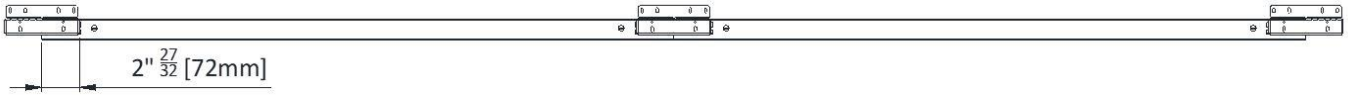


8ft



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 27/32” (72.22mm) from end of fixture in any configuration.

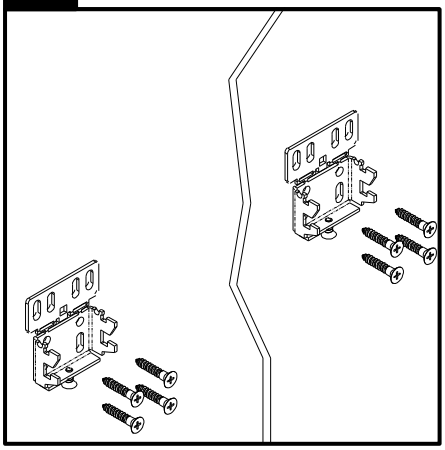


! ATTENTION: Install in accordance with local and national building and electric codes.

ID-SL WALL

SyncLine Wall Instruction Sheet

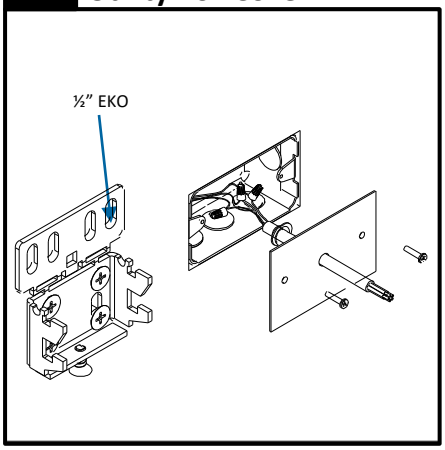
1 Install Wall Brackets



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).

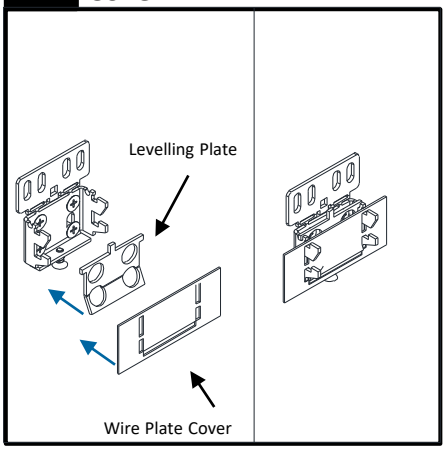
See page 2 for mounting bracket location.

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 levelling plate onto the bracket followed by the wire cover plate.

NOTE: Levelling plate and wire cover plate must be installed in this order as they will not be accessible afterwards.

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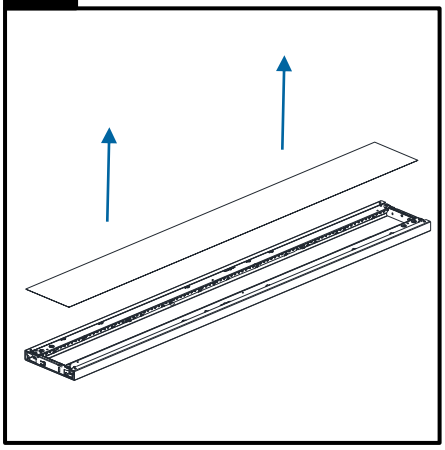
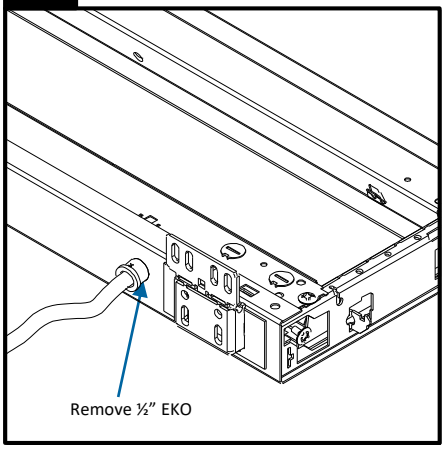
4 Remove Dust Cover



Remove dust cover from fixture.

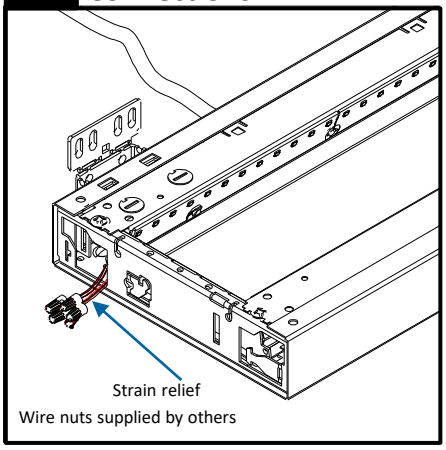
5 Prepare Wiring



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



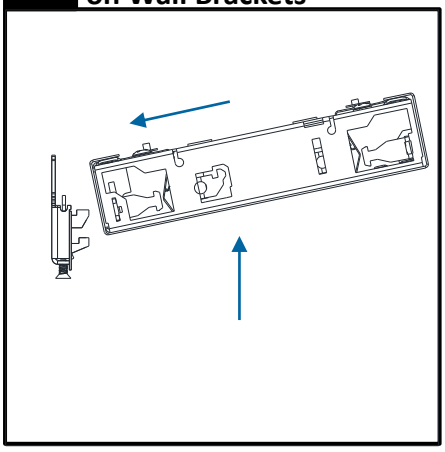
NON-POWER LOCATIONS: Cap all wires and tuck into wire cavity. POWER LOCATIONS:

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.

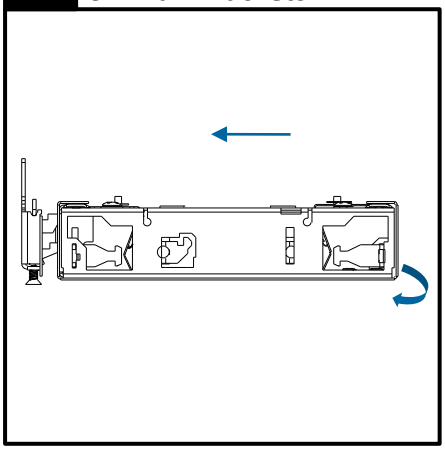
6 Raise Fixture and Engage on Wall Brackets



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

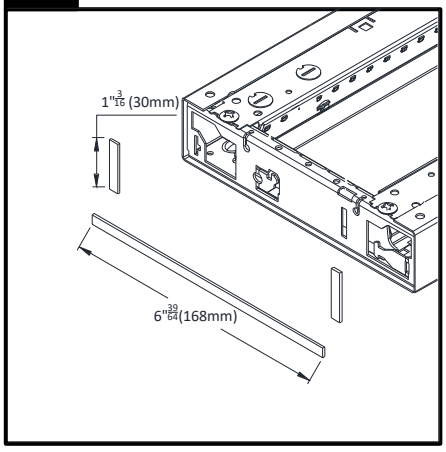
POWER LOCATIONS: Prior to engaging fixture in mounting brackets, feed installed power cord through the access hole at back of the fixture.

6.1 Raise Fixture and Engage on Wall Brackets



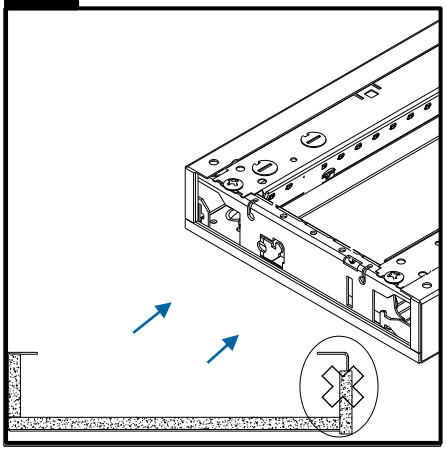
Once engaged on hooks, rotate fixture down into position.

7 Gasket Installation



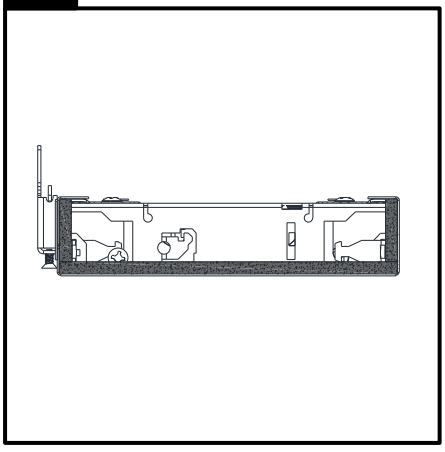
Cut, peel and stick gasket to edge of luminaire as shown. Every fixture end requires gasket installation.

7.1 Gasket Installation



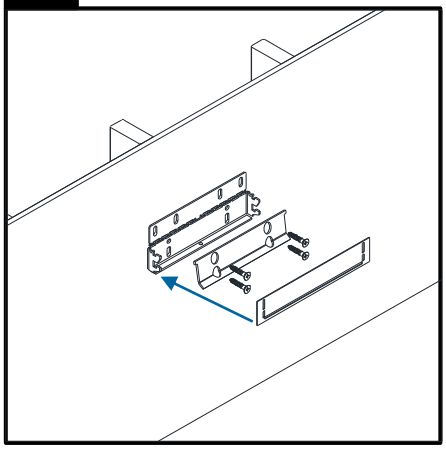
Ensure gasket is seated properly. Gasket should not protrude overall luminaire width and height.

7.2 Gasket Installation



Gasket shown in grey above.

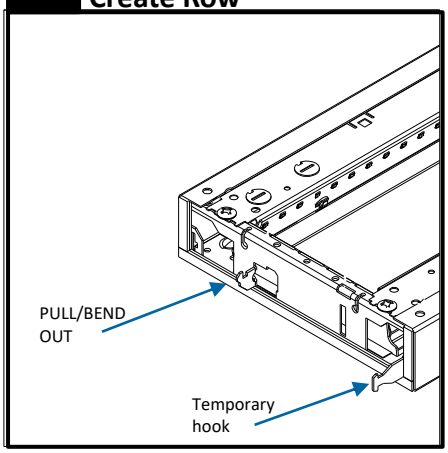
8 Adding Additional Fixture



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.

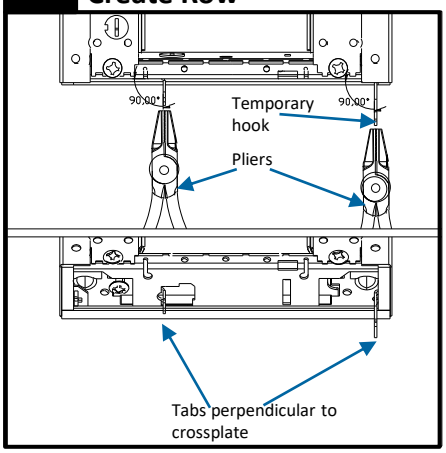
9 Join Additional Fixture to Create Row



On the additional fixture, pull out the two tabs.

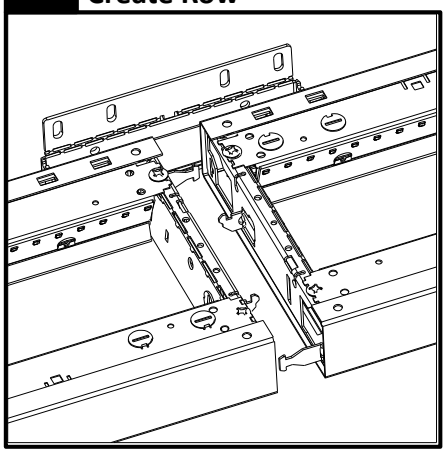
Repeat procedure for the luminaire it will be joined to.

9.1 Join Additional Fixture to Create Row



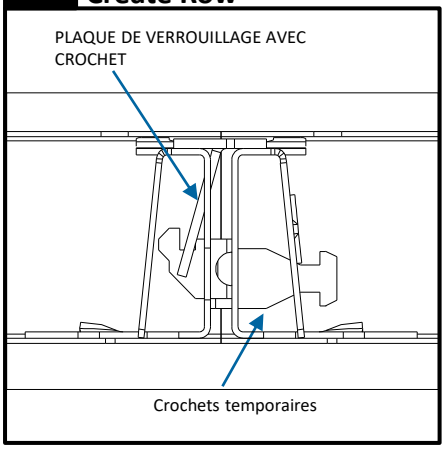
Using a set of pliers, ensure that tabs are perpendicular to fixture. This is required to ensure proper engagement to opposite fixture.

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

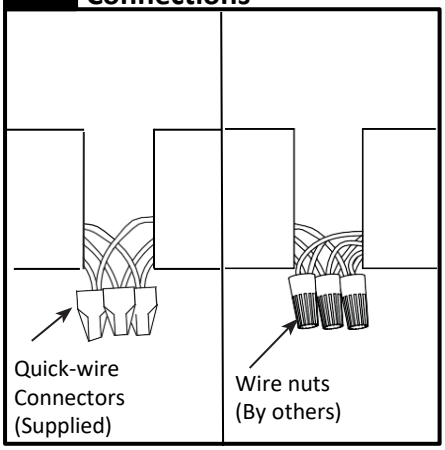
fixture. Ensure temporary hook is engaged on both fixtures.

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

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

VERSION 1

9.4 Complete Electrical Connections

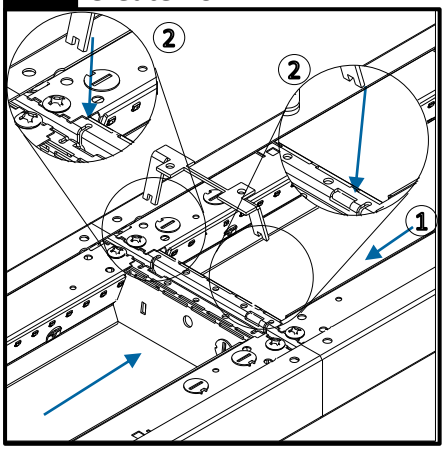


Complete in-row electrical connections.

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 Join Additional Fixture to Create Row



SLIDE MODULES TOGETHER UNTIL NO GAPS ARE VISIBLE: Drop in the locking plate provided in the joint kit. Locking plate will interlock the two fixtures together.

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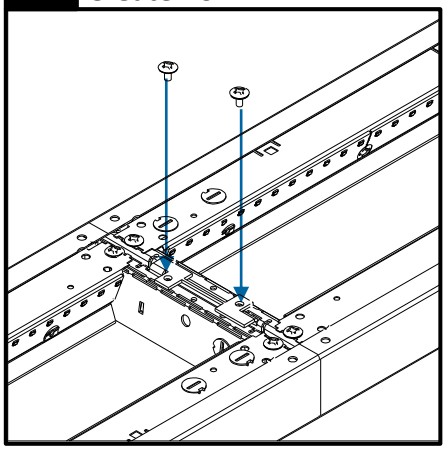
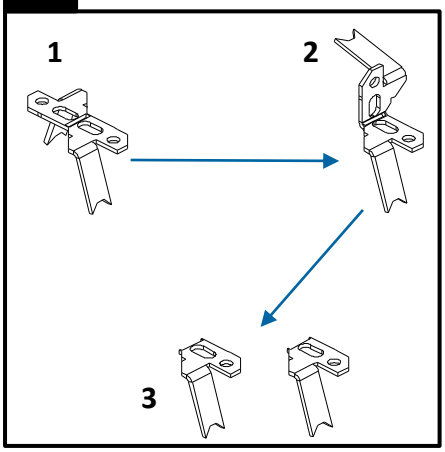
10 Join Additional Fixture to Create Row



Once locking plate is inserted, secure locking plate to the crossplate. Using a head screwdriver, tightened screws until the two fixtures pull together creating a seamless gap.

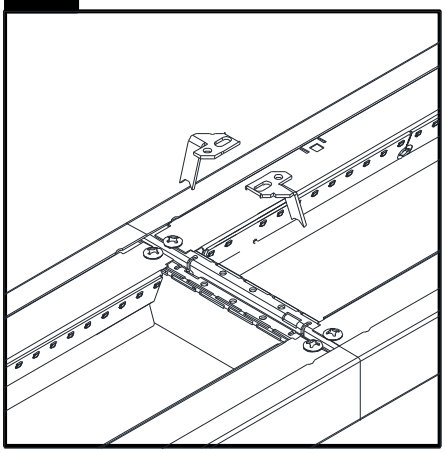
VERSION 2

11 Locking Plate



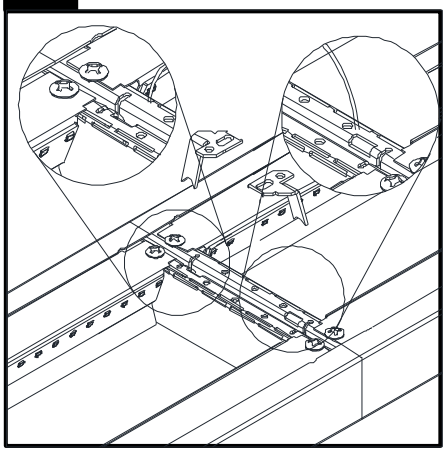
Brake locking plate in two halves

12 Join additional fixture



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

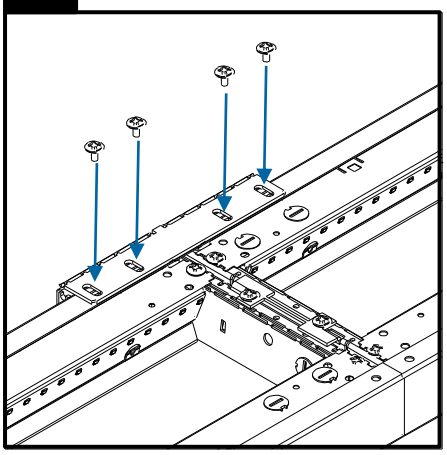
13 Secure with locking plate



Location of locking plate insertion

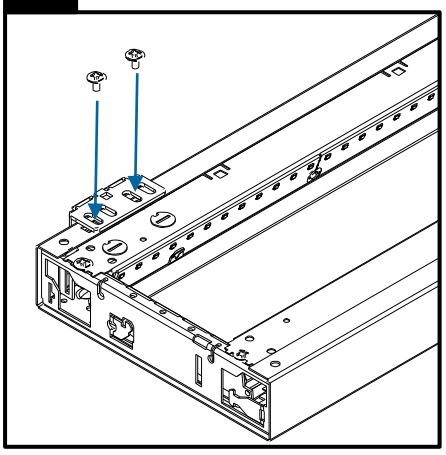
! ATTENTION: Install in accordance with local and national building and electric codes.

14 Secure Fixture



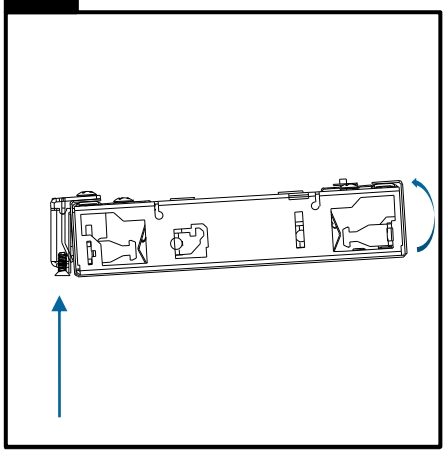
Fold wall mount bracket on top of joint fixtures. Using the provided Philips screws, lock the wall mount bracket to the fixtures

15 Secure fixture



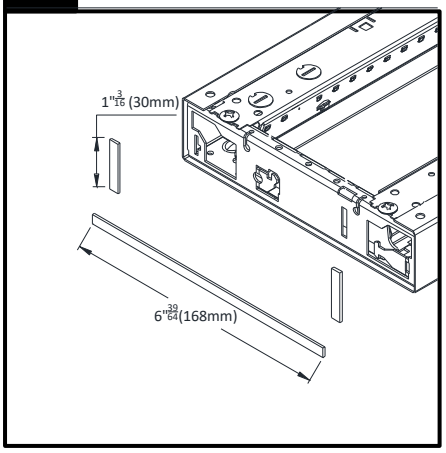
. Repeat step 6. Fold wall mount bracket on top of fixture. Using the provided Philips screws, lock the wall mount bracket to the fixtures.

16 Level Fixture



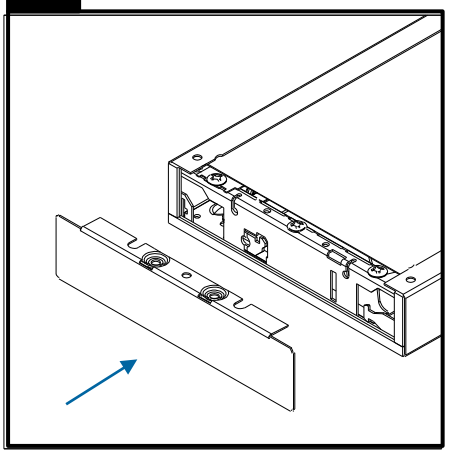
Level fixture using the 8-32 x ½" screw with a screwdriver.

17 Gasket Installation



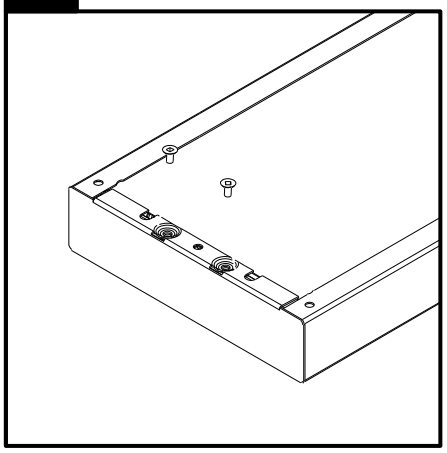
Cut, peel and stick gasket to edge of luminaire as shown. Refer to step 7-7.2 for more instructions.

18 Install Endcaps



Place endcap on top of crossplate. Align to luminaire

13 Install Endcaps

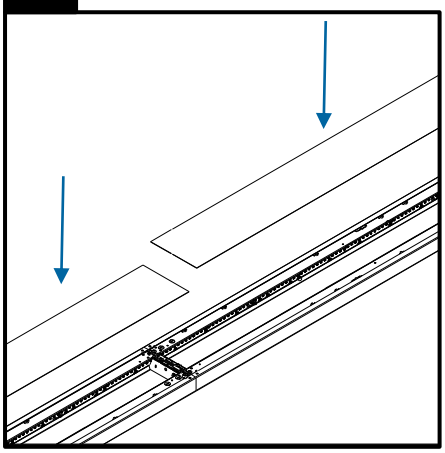


Using the provide Phillips screws (black), attach endcaps to bracket.

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

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

19 Install Dust Cover



Tuck in dust cover into fixture.

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

PRF/PRA Interact Pro Foundation/Advance Install & Setup

*not for Enterprise or Signify Commissioned projects

To configure a lighting system with Interact sensors or RF nodes;

- Ensure the luminaires are installed and powered on.
- Download the Interact Pro app from either Apple's App Store (for iOS) or Google's Play Store.

Download the Interact Pro app

- Register by tapping **Request access** on the login screen in the app.
- **Click** or **scan** the QR codes below to view instructions for setup.

Interact Pro Foundation Quick Start Guide

Interact Pro Advanced Quick Start Guide

Interact Pro Documentation

Interact Pro Setup Video

Contact Us 1-800-555-0050

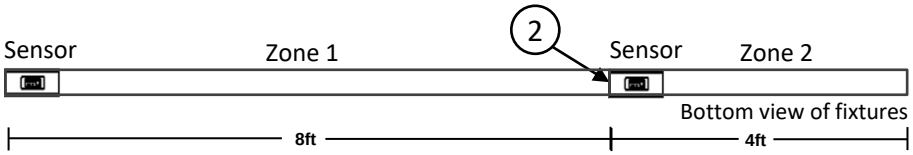
Sensors in Rows

Single Sensor Controlling Whole Row

1. Purple & brown (or purple & grey/pink) control wires **MUST** be connected between fixtures.
   Note:
   - A maximum of 8 drivers can be wired to one sensor; confirm fixture driver count with factory.

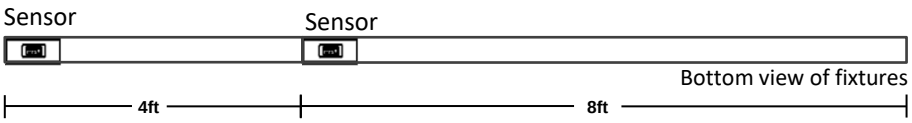
Multiple Sensors Controlling Separate Zones in a Row

2. Purple & brown (or purple & grey/pink) control wires **MUST NOT** be connected between zones.
   Notes:
   - A maximum of 8 drivers can be wired to one sensor; confirm fixture driver count with factory.
   - Only one sensor is allowed on a wired zone. (Sensors can be paired together wirelessly via a mobile app).

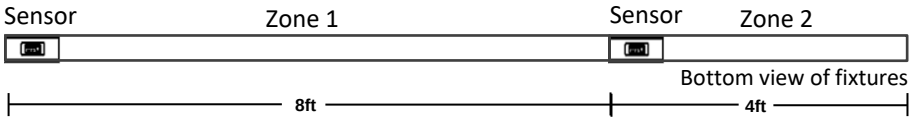


Sensor Spacing

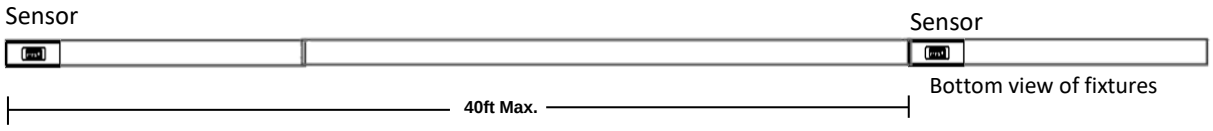
- For correct operation, sensors should be placed a minimum distance of 8ft apart.
- Wireless sensors should be placed no further than 40ft apart for good wireless signal connection.



Sensors are too close together for proper operation.



Sensors are at minimum required distance for correct operation.



Sensors are at a maximum distance of 40ft apart.

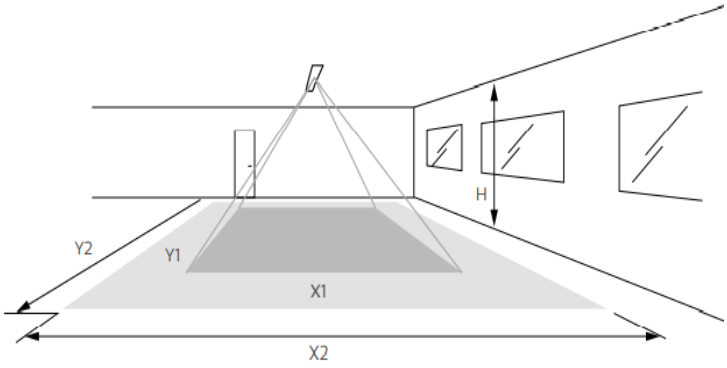
Important Consideration When Using Sensors in a Row

- For fixtures with wireless sensors (CS, SB or RA options):
  DO NOT connect fixture purple & brown (or purple & grey/pink) control wires to an external dimming switch. Fixture mains wiring should not be connected to a circuit with an external on/off switch.
- For best aesthetic condition, place sensors at ends of row only so as not to break the continuous lens.
- For better occupancy coverage in longer rows, sensors may be placed mid run, but keep in mind this will break the continuous lens into discrete sections.

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

Occupancy Sensor Coverage:

Note: Longer dimension of detection area (Y1, Y2) is parallel to longer dimension of the luminaire.



Height	Minor movement		Major movement	
h	X1	Y1	X2	Y2
2.4 m (7.9 ft)	1.9 m (6.2 ft)	2.9 m (9.5 ft)	2.9 m (9.5 ft)	4.3 m (14.1 ft)
3 m (9.8 ft)	2.4 m (7.9 ft)	3.6 m (11.8 ft)	3.6 m (11.8 ft)	5.4 m (17.7 ft)

The detection area for the movement sensor can be roughly divided into two parts:

- Minor movement (person moving ≤3ft/s or 0.9m/s).
- Major movement (person moving ≥3ft/s or 0.9m/s).

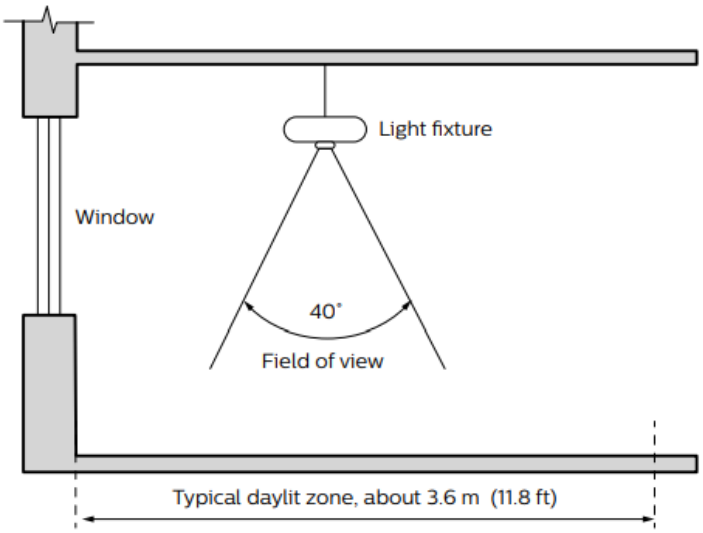
Daylight sensor

The light sensor measures the total amount of light in a circular field of approximately 80% of the PIR detection area. The following aspects should be observed during installation:

- Minimum distance from the window ≥2ft (0.6m).
- Prevent light reflections from outside entering the sensor (for example sunlight reflection on a car hood) as this will lead to incorrect light regulation.

As a guideline the formula 0.72 x H can be used to calculate the minimum distance between the window and sensor whereby H is the height from the bottom of the window to the sensor.

Photosensor spatial response



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

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