LEDALITE

by Signify

Architectural Linear

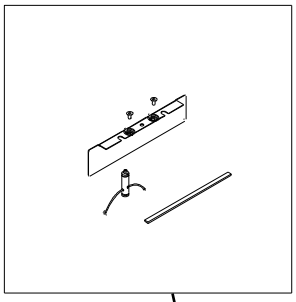
SyncLine

ID-SL SyncLine Suspended

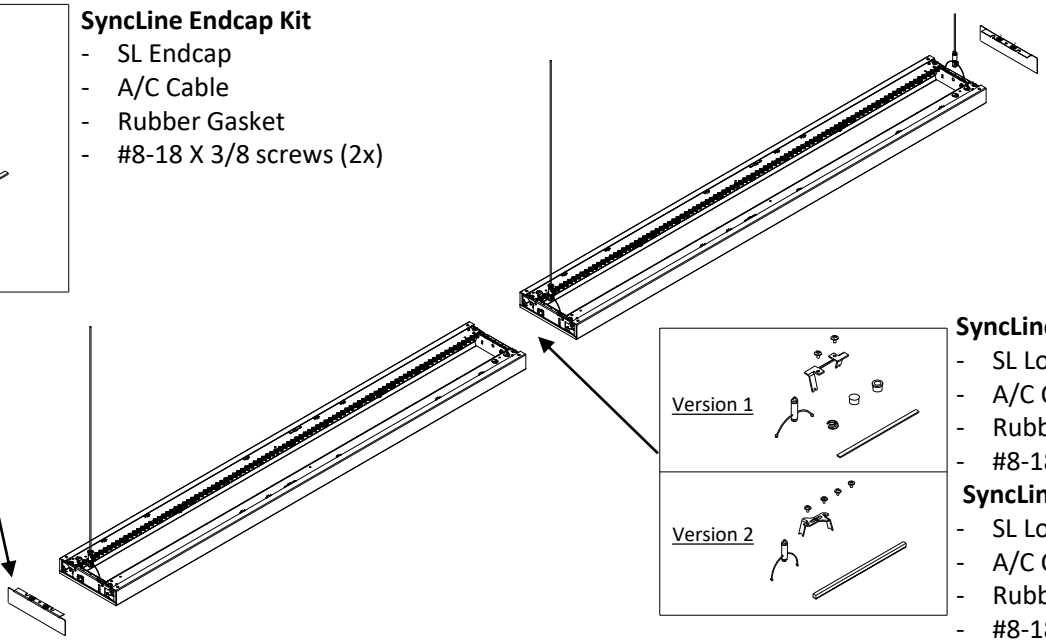
System Overview

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

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



SyncLine Endcap Kit
- SL Endcap
- A/C Cable
- Rubber Gasket
- #8-18 X 3/8 screws (2x)



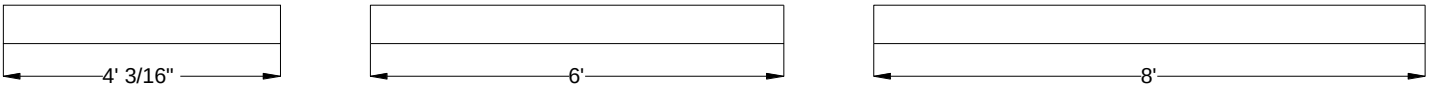
SyncLine Joint Kit (V1)
- SL Locking Plate
- A/C Cable
- Rubber Gasket
- #8-18 X 3/8 screws (2x)

SyncLine Joint Kit (V2)
- SL Locking Plate
- A/C Cable
- Rubber Gasket
- #8-18 X 3/8 screws (4x)

TOOLS REQUIRED: Phillips screwdriver, flat head screwdriver

Module Lengths

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



Indicates overall length of the 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 the light engine pans. If dustcover is installed, please remove before installation of fixtures.

Power Feed Locations

Four power feed locations are provided on all lengths: two on each end of the fixture.

Continuous Run

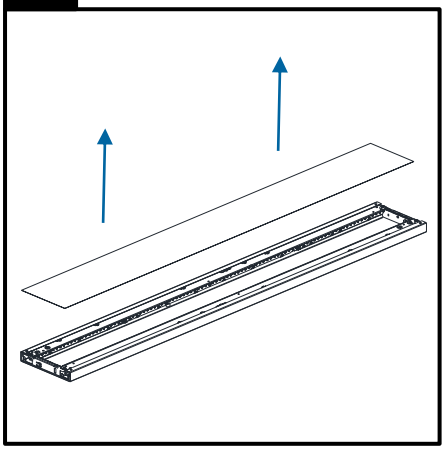
The fixtures in continuous runs are connected with joiner kits. Each joint and both ends of the run will be suspended by a sling mount and aircraft cable attached to the ceiling. A continuous run of two 8ft fixtures and one 4ft fixture is shown below.

Prepare Fixtures / Install ceiling mounting components

Arrange boxed fixtures on floor in specified mounting locations, based on supplied layout drawings. Remove fixtures from boxes. Install all ceiling mount components and vertical aircraft cables using separate installation instruction for Aircraft Cable Mounting (Supplied).
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.

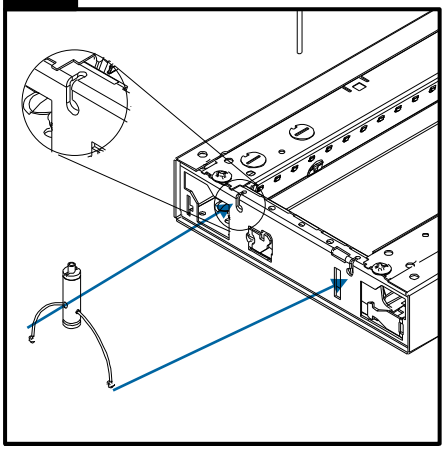
ATTENTION: Install in accordance with local and national building and electric codes.

1 Remove Dust Cover



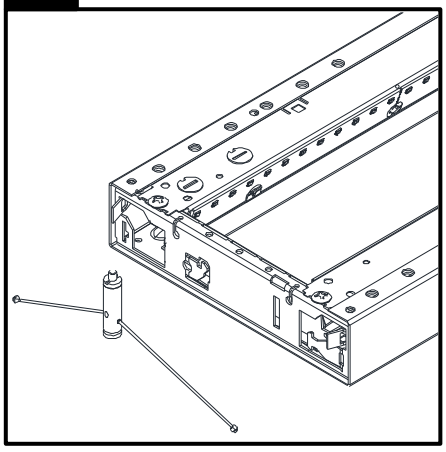
Remove dust cover from the fixture. Lightly press in the center to disengage it from the housing.

2 Insert Sling Mount



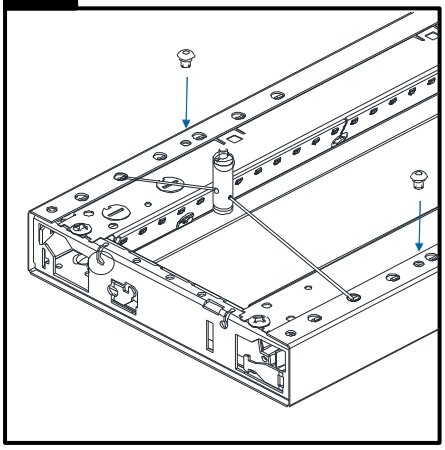
Hook A/C sling mount to endplate as shown. Raise sling until seated in endplate. Install on both side of the fixture.

3 Install Variable Mount



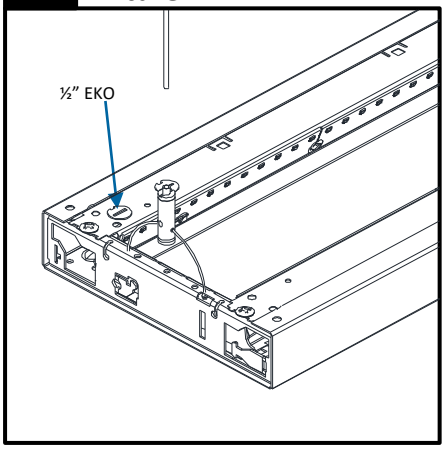
In the case of a variable mount, press the tabs along the sides of the fixture housing forward and insert A/C sling mount in holes along the top of the fixture body up to 6" from the ends. Install on both sides of the fixture.

4 Install Variable Mount



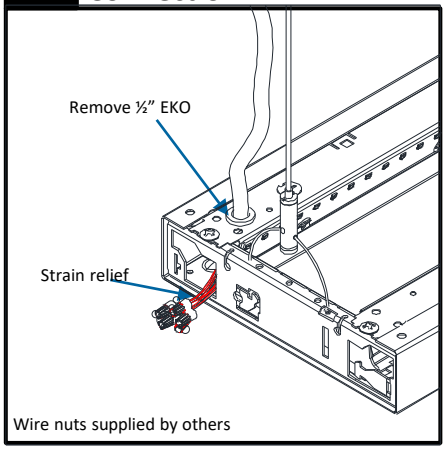
With tabs pressed inwards and variable A/C mount inserted, ensuring that the mounting holes are lined up, insert screws as shown on both sides of the fixture.

5 Suspend and Level First Fixture



With two people, raise the first fixture to the ceiling. At each end of the module, insert aircraft cable through aircraft cable sling.

6 Complete Electrical Connection



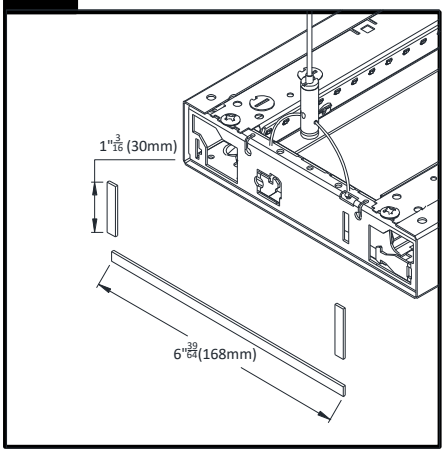
NON-POWER LOCATIONS: Cap all wires and tuck into wire cavity. POWER LOCATIONS: Remove required 1/2" round knockout(s). Insert power cord and apply strain relief to secure cord. Remove installed quick-wire connectors (if applicable) at power feed locations and complete electrical connections using wire nuts (supplied by others). Tuck wires into wire cavity.

NOTE: Use smallest appropriate wire nuts.

NOTE: crimp and bushing are part of the ceiling mount kit.

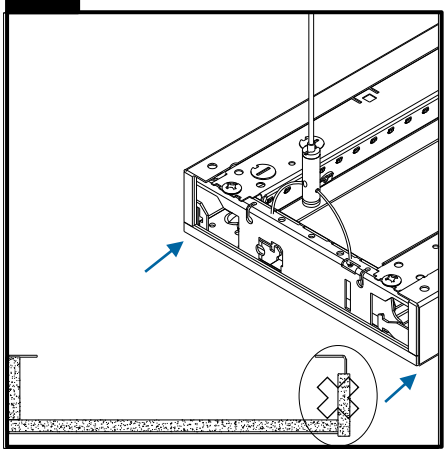
! ATTENTION: Install in accordance with local and national building and electric codes.

7 Gasket Installation



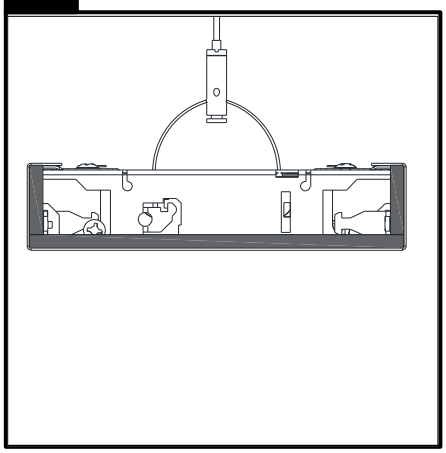
Cut, peel and stick the gasket to the edge of the luminaire as shown. Every fixture end or joint requires gasket installation.

7.1 Gasket Installation



Ensure gasket is seated properly. The gasket should not protrude overall luminaire width or height.

7.2 Gasket Installation



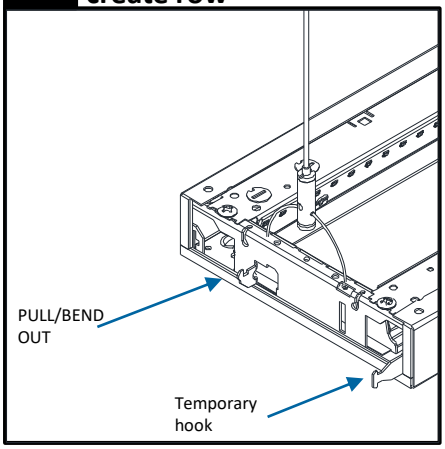
The gasket is shown in grey above.

If not joining additional fixture(s), skip to step 11 for endcap installation instructions.

Preventive Measures for Perfect installation

Note: Pull out the Bend & temporary hook completely(Perpendicular to base from where it bends) for perfect locking.

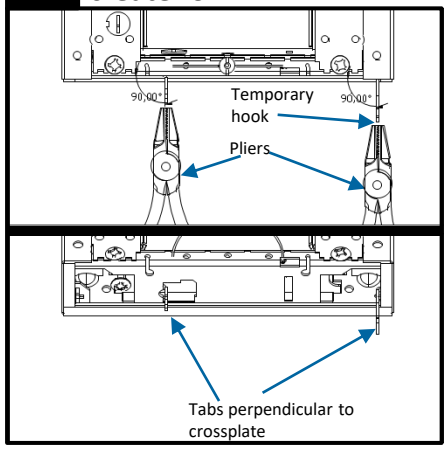
8 Join additional fixture to create row



For each additional fixture in the row, at the end furthest from the existing suspended fixture, attach A/C sling to the fixture (see steps 2-4). At the end closed to the existing suspended fixture, pull out the two tabs.

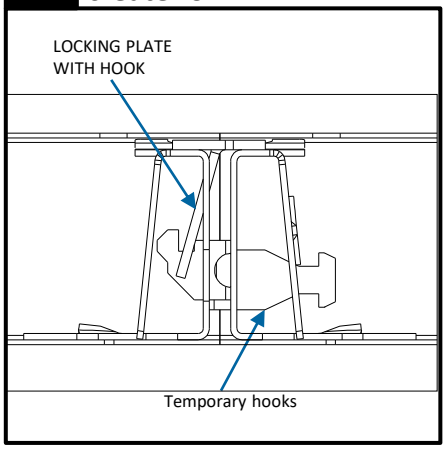
Repeat procedure for the luminaire it will be joined to.

8.1 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.

8.2 Join additional fixture to create row



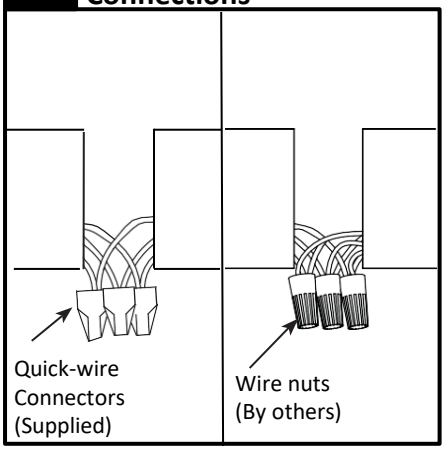
With two people, raise second fixture to ceiling. At other end (opposite joint), insert aircraft cable through adjuster. At joint, insert temporary hooks into suspended fixture. Ensure temporary hook is engaged on both fixtures.

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 Complete Electrical Connections

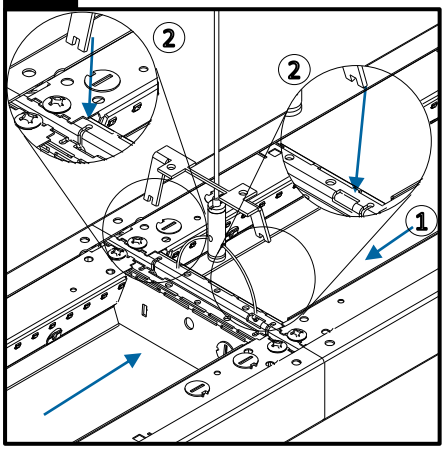


Complete in-row electrical connections.

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

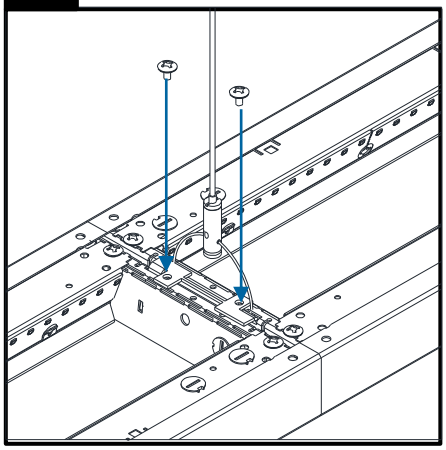
POWER LOCATIONS: Remove installed quick-wire connectors and complete electrical connections using wire nuts (supplied by others). Tuck wires into wiring cavity.

10 Join additional fixture



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.

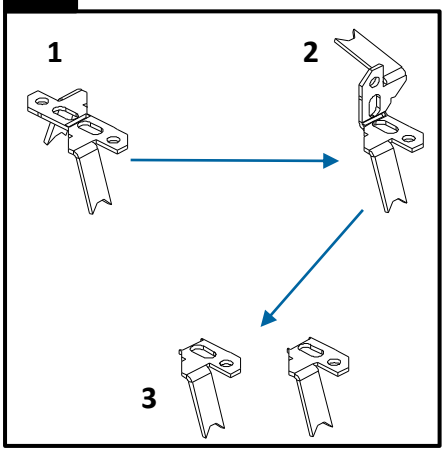
11 Secure with locking plate



After the locking plate is inserted, secure the locking plate to the crossplate. Using ahead screwdriver, tighten screws until the two fixtures pull together creating a seamless gap.

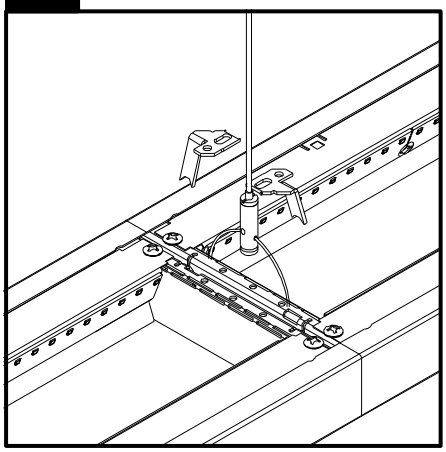
VERSION 2

12 Locking Plate



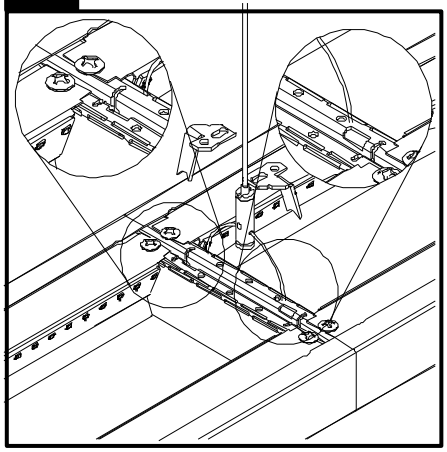
Brake locking plate in two halves

13 Join additional fixture



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

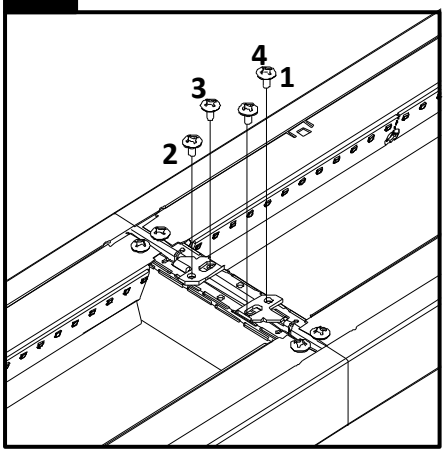
14 Secure with locking plate



Location of locking plate insertion

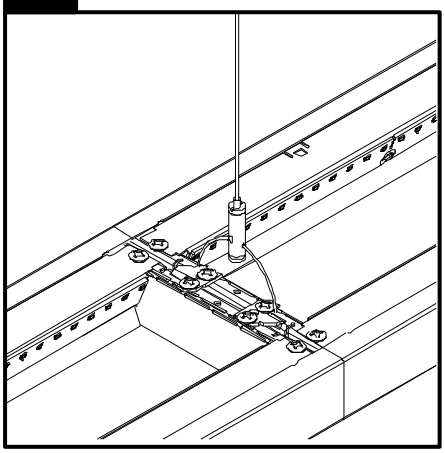
! ATTENTION: Install in accordance with local and national building and electric codes.

15 Join additional fixture



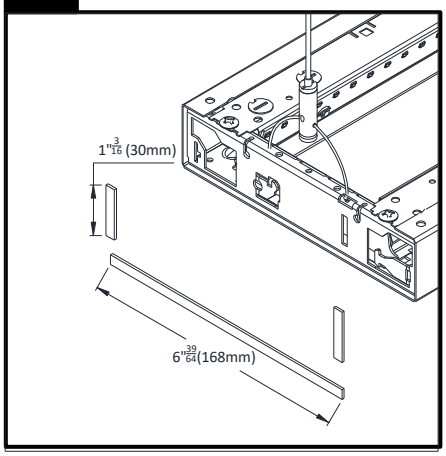
After the locking plate is inserted, secure the locking plate to the crossplate. Using a Philips head screwdriver, tighten screws until the two fixtures pull together creating a seamless gap.Follow the sequence of screw as shown in figure

16 Join additional fixture



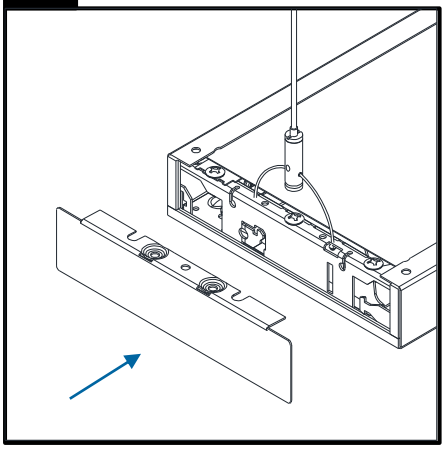
Installed Locking Plates

17 Gasket Installation



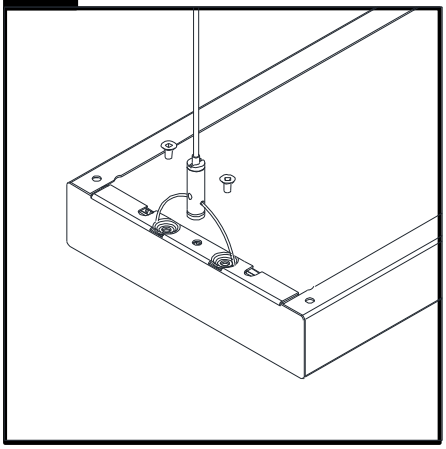
Cut, peel and stick the gasket to the edge of the luminaire as shown. Refer to steps 7-7.2 for more instructions.

18 Install Endcaps



.Place the endcap on top of the crossplate. Align to luminaire.

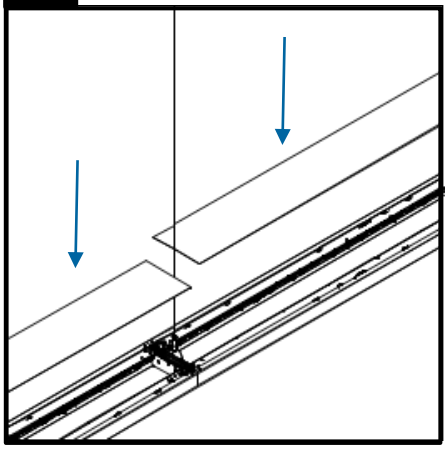
19 Install Dust Cover



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

20 Install Dust Cover

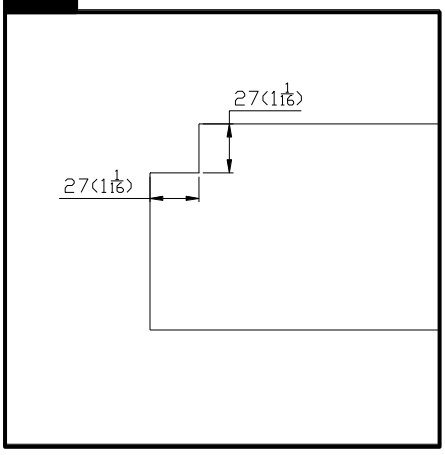


With two people, raise second fixture to ceiling. At other end (opposite joint), insert aircraft cable through adjuster. At joint, insert temporary hooks into suspended fixture. Ensure temporary hook is engaged on both fixtures.

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.

21 Install Dust Cover



On the power drop side of the luminaire, trim the dust cover as shown above to clear the power cord.

! 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

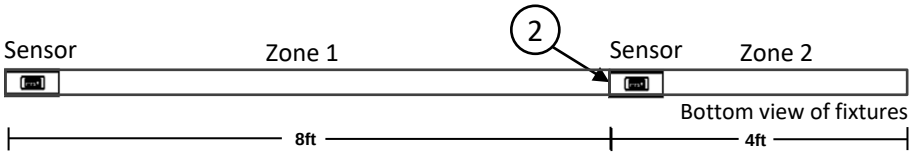
Sensors in Rows

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.

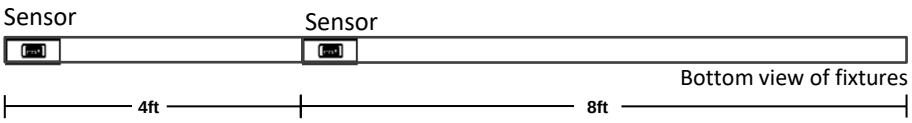
Multiple Sensors Controlling Separate Zones in a Row

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).

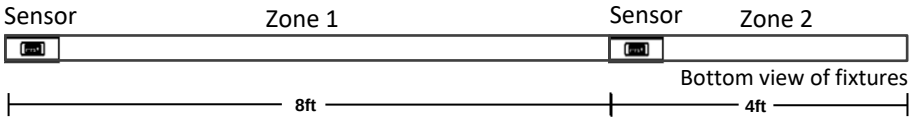


Sensor Spacing

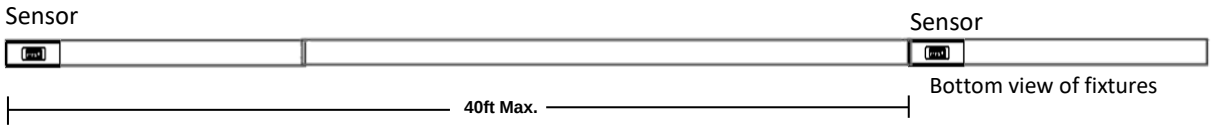
- For correct operation, sensors should be placed a minimum distance of 8ft apart.
- Wireless sensors should be placed no further than 40ft apart for good wireless signal connection.



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.

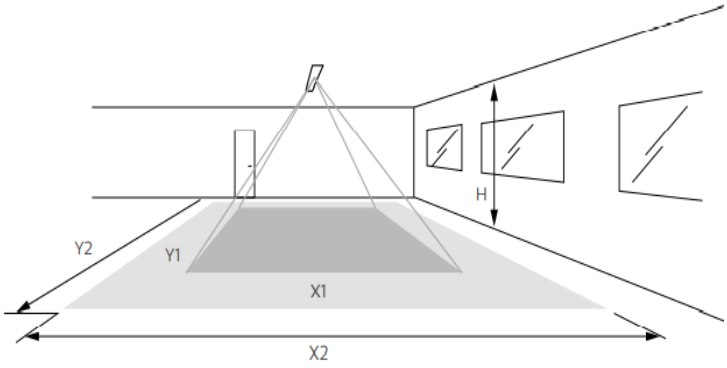
Important Consideration When Using Sensors in a Row

- 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).

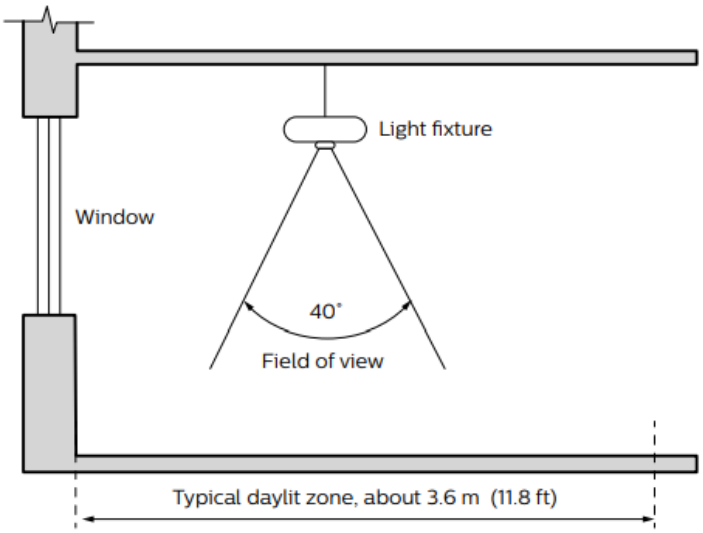
Daylight sensor

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.

Signify North America Corporation
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 855-486-2216

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008