Module Lengths
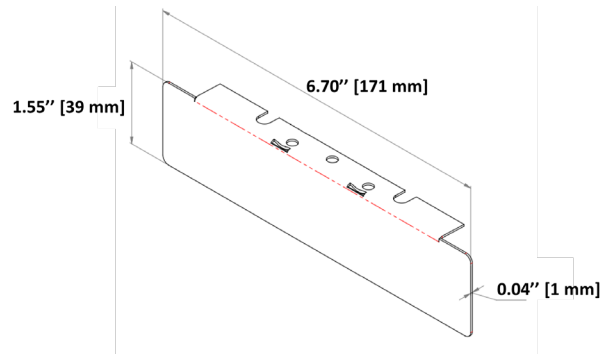
SyncLine suspended and wall versions are available in the lengths listed on the right.

Dimensions here are overall length, not including endcaps.

4' nom.   48.18'' [1224 mm]

6' nom.   72.00'' [1829 mm]

8' nom.   96.00'' [2438 mm]

LED
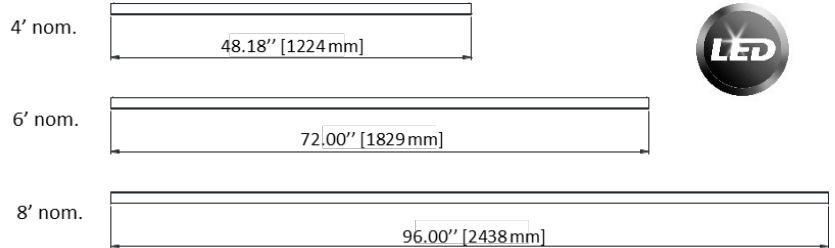
Endcaps

Overall row lengths do not include endcaps. Add two endcaps to the overall length of each row. See image to the right.

1.55'' [39 mm]   6.70'' [171 mm]

0.04'' [1 mm]

Row configurations

The nominal 4, 6 and 8ft modules can be combined to create continuous rows of various lengths in 2ft increments. There may be multiple ways to make up a specific row length. Modules can be combined in any order; use the following guidelines to optimize your row configuration:
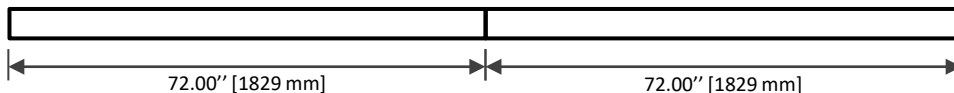
To optimize a row for best price
Build the row with mostly longer module lengths. See example below:

96.00'' [2438 mm]   48.18'' [1224 mm]
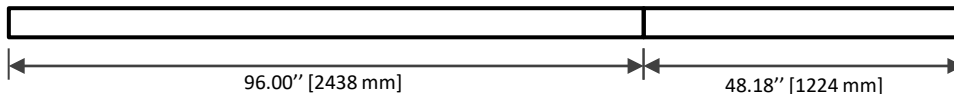
To optimize a row for best aesthetic appearance
Use modules in a pattern to ensure mounting points are symmetric in the run. See example below:

72.00'' [1829 mm]   72.00'' [1829 mm]

To optimize a row for installation condition
Choose modules lengths that allow mounting points to avoid obstacles such as sprinkler heads & HVAC vents. See example below:

6'' [150 mm]
(1'' [25 mm] increments) TYP.

48.18'' [1224 mm]   48.18'' [1224 mm]   48.18'' [1224 mm]

For Variable Mount Spacing version. Choose to avoid obstacles.
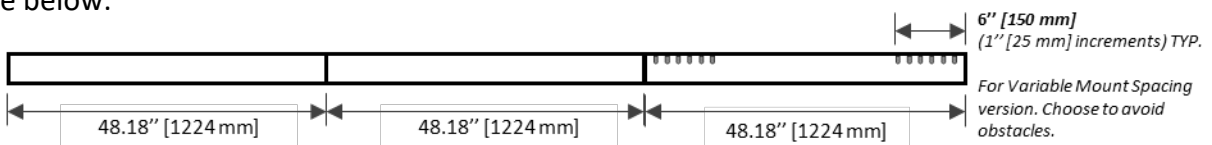
! ATTENTION: Install in accordance with national and local building and electrical codes.

Module Lengths

SyncLine suspended and wall versions are only available in the lengths listed on the right.*
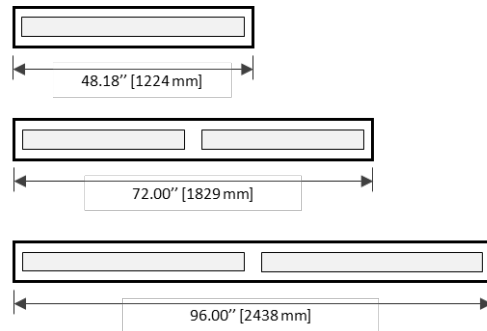
48.18" [1224 mm]

72.00" [1829 mm]

96.00" [2438 mm]

Bottom view of fixtures

Module Lengths with Sensor

SyncLine suspended and wall versions with sensors are available in the lengths listed on the right. Suspended fixtures can be rotated 180˚. Wall fixtures are mounted on the wall, with sensors placed on the left end.*

48.18" [1224 mm]

72.00" [1829 mm]

96.00" [2438 mm]

Bottom view of fixtures

*Dimensions are overall fixture lengths, not including endcaps.

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

Suspended Mount Spacing

Suspended sling mount brackets attach at run ends and joints. For on-grid T-bar ceiling installations, mounts attach directly to T-Bar. Mounting options are available for off-grid T-bar installations, non-accessible ceilings and a wide variety of other ceiling types.

0.26'' [7 mm]   0.52'' [14 mm]   0.26'' [7 mm]

96.00'' [2438 mm]   48.18'' [1224 mm]

Suspended Variable Mount Spacing

Suspended sling variable mount brackets attach within 6'' from the ends and joints at 1'' increments. For on-grid T-bar ceiling installations, mounts attach directly to T-Bar. Mounting options are available for off-grid T-bar installations, non-accessible ceilings and a wide variety of other ceiling types.

6.00'' [150 mm]   6.00'' [150 mm]   6.00'' [150 mm]
(1'' [25 mm] increments)   (1'' [25 mm] increments)   (1'' [25 mm] increments)

96.00'' [2438 mm]   48.18'' [1224 mm]

Wall Mount Spacing

Variable wall mount brackets can be positioned in approximately 2.3'' or 6'' slots in the module end, joint, or center. Maximum distance between wall mounts will be about 4'. Note that the 6' and 8' fixtures must be supported by three brackets.

3.00'' [76 mm] TYP.   6.00'' [152 mm]   6.00'' [152 mm]
2.28'' [58 mm] TYP.   3.00'' [76 mm] TYP.
                                    2.28'' [58 mm] TYP.

96.00'' [2438 mm]   48.18'' [1224 mm]

Power Feed

Power feed(s) can be placed at either end or any joint (see examples below). Multiple power feeds may be required depending on configuration, power draw, and length of run of the installation (see spec sheet for power draw).

Note that the power feed for suspended installations comes in from the top of the module, and power feeds for wall installations come in from the side facing towards the wall.

Example A

96.00'' [2438 mm]   48.18'' [1224 mm]

▲ = Power mount, normal
● = Non-power mount

Example B

96.00'' [2438 mm]   48.18'' [1224 mm]

Example C

96.00'' [2438 mm]   48.18'' [1224 mm]

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

Battery Packs (BP) - *OPTIONAL*

Modules are available with optional battery packs (BP) for Emergency Circuit (EM) or Night Light (NL) functionalities. The BP versions of the 4ft and 6ft fixtures power the entire module. The BP version of the 8ft fixture can power half or the entire module depending on lumen output. See the images below.
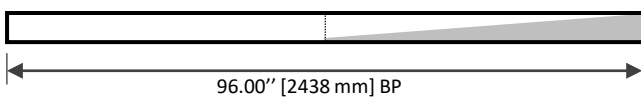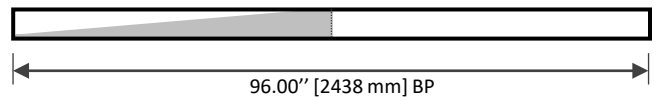
Suspended or Wall

48.18'' [1224 mm] BP

Suspended or Wall

72.00'' [1829 mm] BP

Suspended ONLY

96.00'' [2438 mm] BP
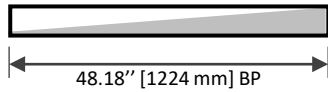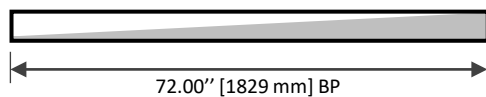
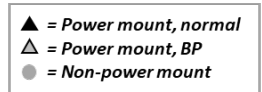-OR-

Suspended or Wall

96.00'' [2438 mm] BP

Power Feeds for Battery Packs – Night Light (NL)

Every BP module will be supplied with an additional 5-conductor power cord and power mount to enable variable power locations. Placement of the BP modules is variable throughout a row.

<u>NL Installations:</u> Power can be installed adjacent to normal power or on separate locations. See examples A and B below. For multipower drop feeds a single 7-conductor or two 5-conductor power cords will be needed (example B).

<u>EM Installations:</u> In all instances for Emergency Circuit installations, code restrictions require two separate power drops, one for normal power and one for EM power. EM power must be installed in a location different than the normal power. See example A below.

▲ = Power mount, normal
△ = Power mount, BP
● = Non-power mount

Example **A** – 2 Separate Power Drops

48.18'' [1224 mm]   96.00'' [2438 mm] BP   72.00'' [1829 mm]   96.00'' [2438 mm]

Example **B** – 1 Multipower Drop

48.18'' [1224 mm]   96.00'' [2438 mm]   72.00'' [1829 mm]   96.00'' [2438 mm] BP

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

RC-SL   Interact Pro Foundation/Advance Install & Setup

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

GET IT ON Google Play

Download on the App Store

- 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
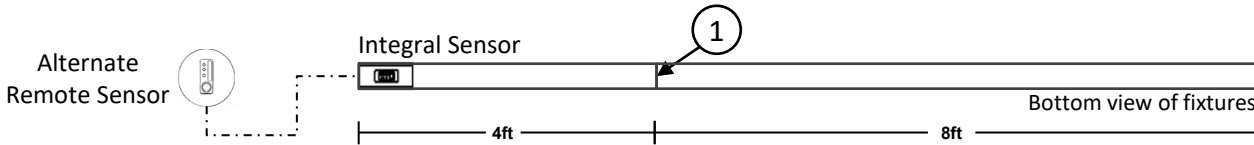
Contact Us 1-800-555-0050

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.

Alternate Remote Sensor

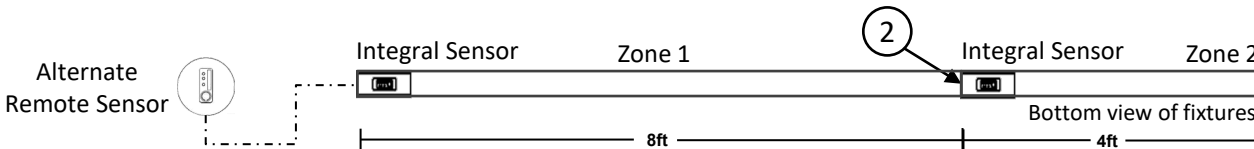Integral Sensor

①

4ft   8ft

Bottom view of fixtures

Multiple Sensors Controlling Separate Zones in a Row

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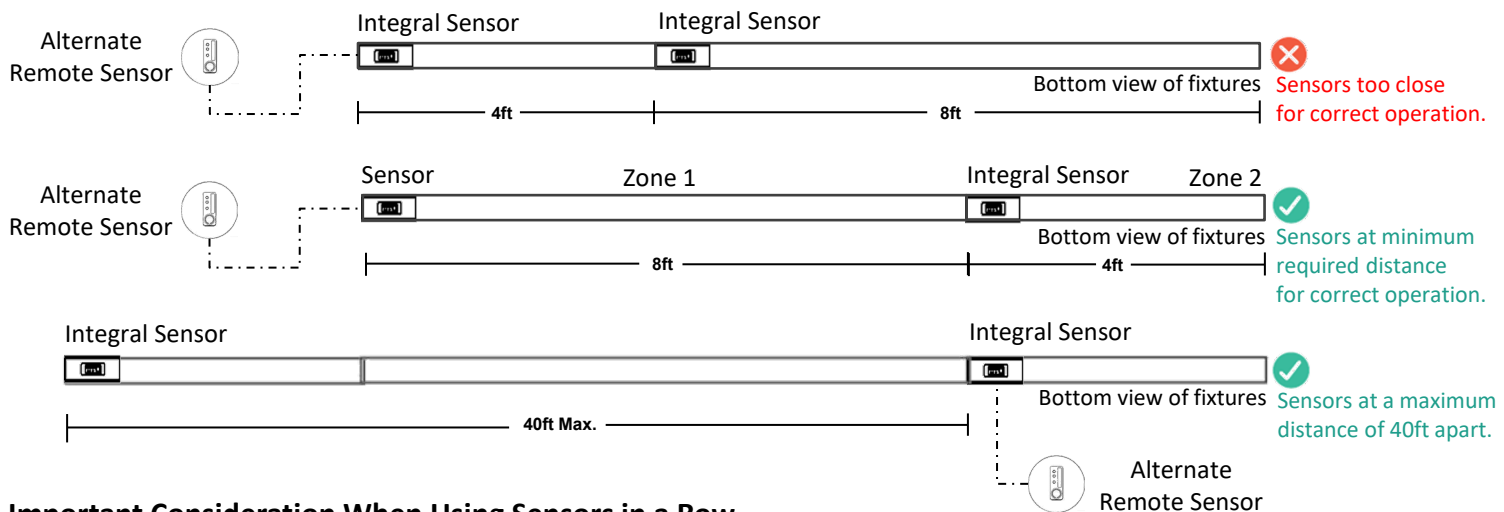   Notes:
   - A maximum of 8 drivers can be wired to one sensor; confirm fixture driver count with factory.
   - Only one sensor is allowed on a wired zone. (Sensors can be paired together wirelessly via a mobile app).

Alternate Remote Sensor

Integral Sensor   Zone 1   ②   Integral Sensor   Zone 2

Bottom view of fixtures

8ft   4ft

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.

Alternate Remote Sensor

Integral Sensor   Integral Sensor

4ft   8ft

Bottom view of fixtures   ❌ Sensors too close for correct operation.

Alternate Remote Sensor

Sensor   Zone 1   Integral Sensor   Zone 2

8ft   4ft

Bottom view of fixtures   ✅ Sensors at minimum required distance for correct operation.

Integral Sensor   Integral Sensor

40ft Max.

Bottom view of fixtures   ✅ Sensors at a maximum distance of 40ft apart.
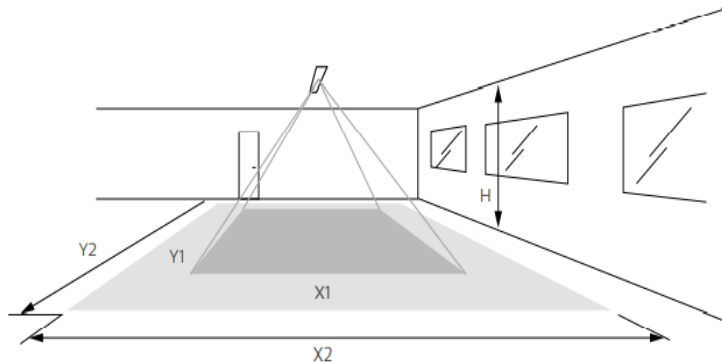
Alternate Remote Sensor

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. Alternatively, remote sensor may be used, note the same wiring rules will apply.

! ATTENTION: Install in accordance with national and local building and electrical 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.
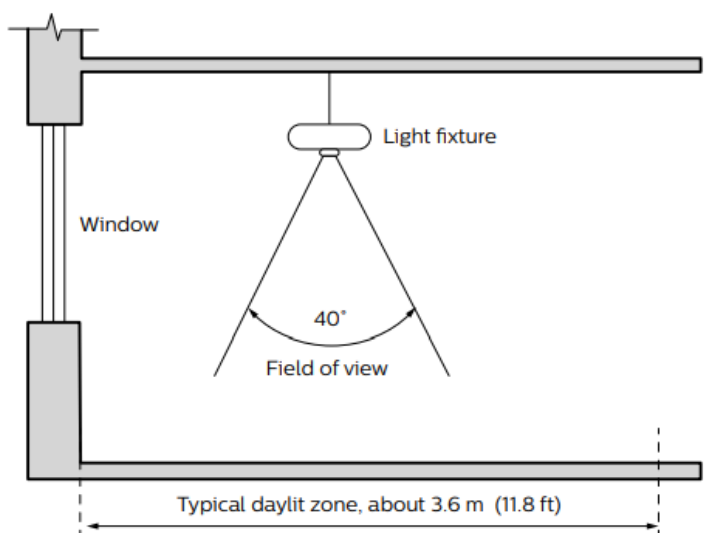
As a guideline the formula 0.72 x H can be used to calculate the minimum distance between the window and sensor whereby H is the height from the bottom of the window to the sensor.

Photosensor spatial response

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

signify