LEDALITE

by signify

# Architectural Linear

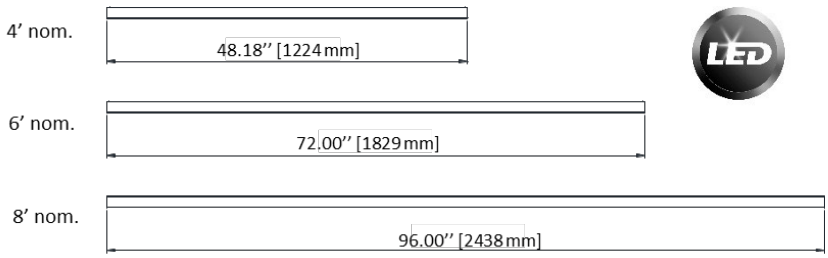
## SyncLine

RC - SL suspended and wall

## Module Lengths

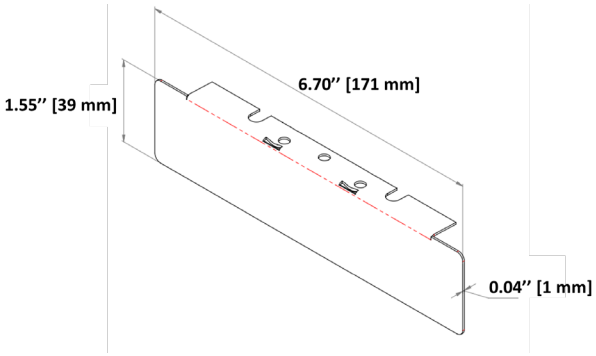
SyncLine suspended and wall versions are available in the lengths listed on the right.

Dimensions here are overall length, not including endcaps.




## Endcaps

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

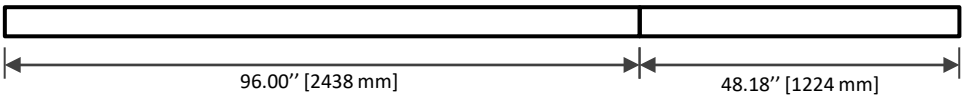



## Row configurations

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:

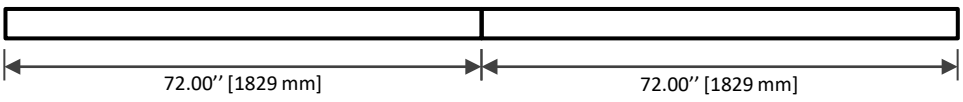
**To optimize a row for best price**

Build the row with mostly longer module lengths. See example below:



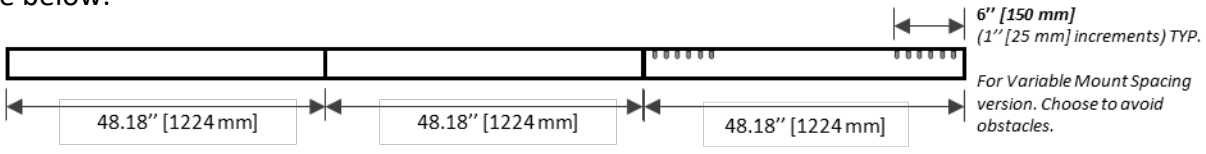

**To optimize a row for best aesthetic appearance**

Use modules in a pattern to ensure mounting points are symmetric in the run. See example below:




**To optimize a row for installation condition**

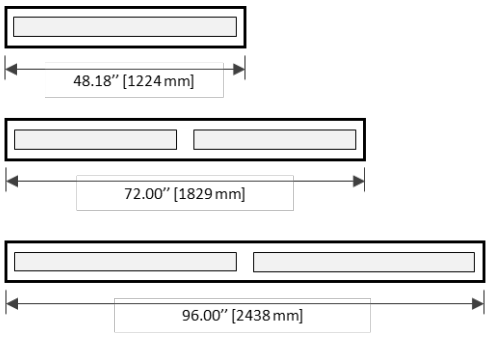
Choose modules lengths that allow mounting points to avoid obstacles such as sprinkler heads & HVAC vents. See example below:




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

## Module Lengths

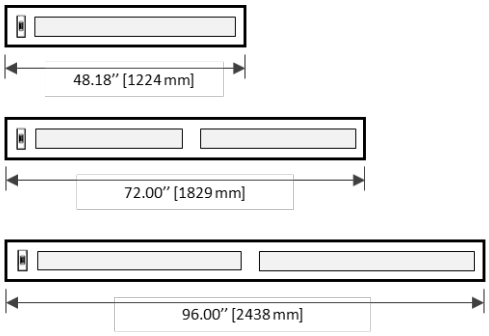
SyncLine suspended and wall versions are only available in the lengths listed on the right.*




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.*




Bottom view of fixtures

*Dimensions are overall fixture lengths, not including endcaps.

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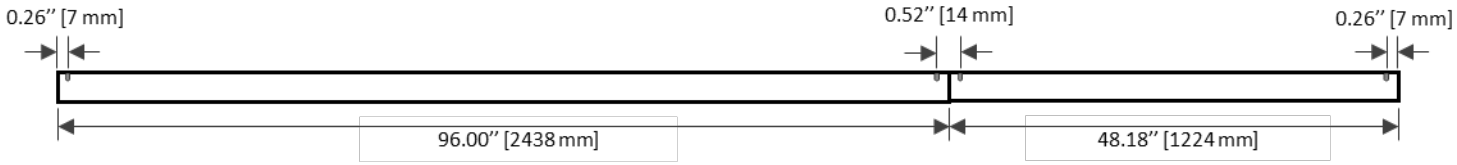
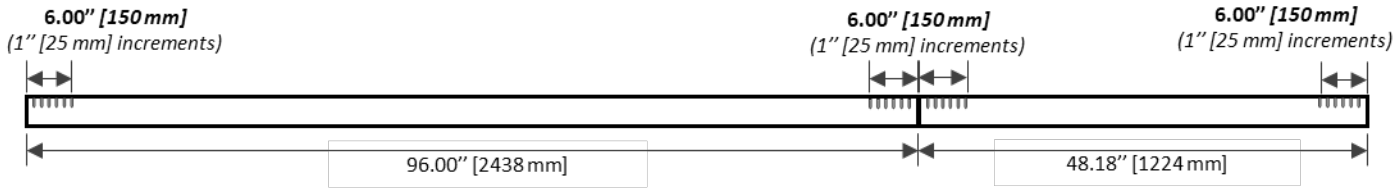
## Suspended Mount Spacing

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.




## 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.




## Wall Mount Spacing

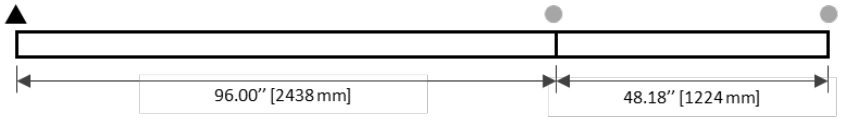
Variable wall mount brackets can be positioned in approximately 2.3'' or 6'' slots in the module end, joint, or center. Maximum distance between wall mounts will be about 4'. Note that the 6' and 8' fixtures must be supported by three brackets.


## Power Feed

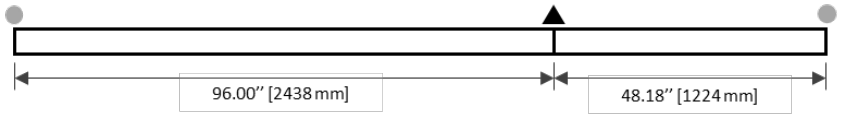
Power feed(s) can be placed at either end or any joint (see examples below). Multiple power feeds may be required depending on configuration, power draw, and length of run of the installation (see spec sheet for power draw).

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.

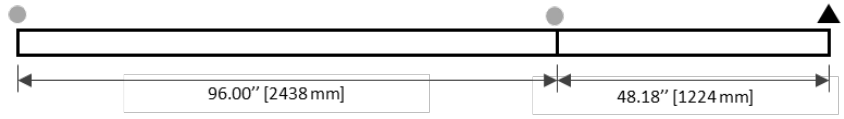
*Example A*




*Example B*




*Example C*



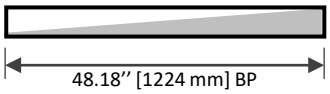

▲ = Power mount, normal
● = Non-power mount

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

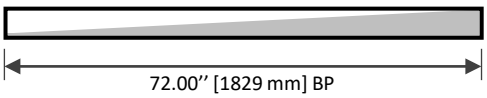
## Battery Packs (BP) - *OPTIONAL*

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.

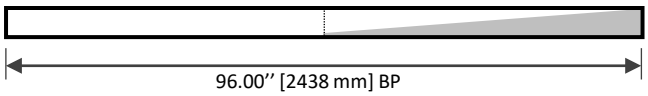
***Suspended or Wall***




***Suspended or Wall***

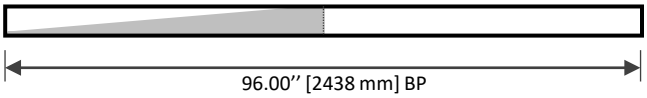



***Suspended ONLY***




-OR-

***Suspended or Wall***




## Power Feeds for Battery Packs – Night Light (NL)

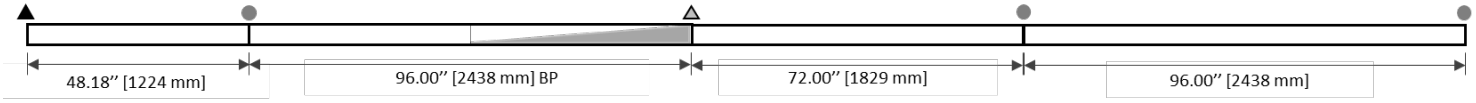
Every BP module will be supplied with an additional 5-conductor power cord and power mount to enable variable power locations. Placement of the BP modules is variable throughout a row.

**NL Installations:** 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).

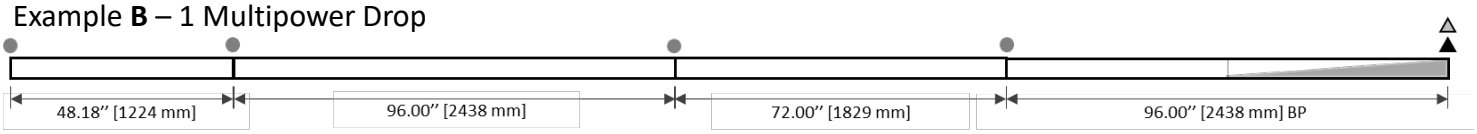
**EM Installations:** In all instances for Emergency Circuit installations, code restrictions require two separate power drops, one for normal power and one for EM power. EM power must be installed in a location different than the normal power. See example A below.

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

Example **A** – 2 Separate Power Drops




Example **B** – 1 Multipower Drop

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# RC-SL 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**

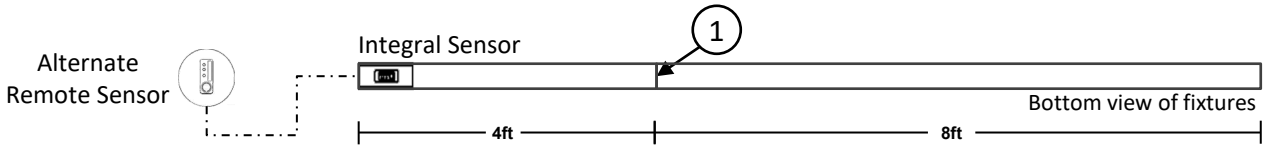
**Interact Pro Setup Video**

**Contact Us 1-800-555-0050**

## Sensors in Rows

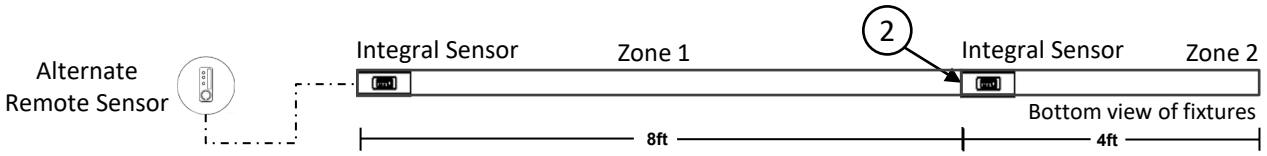
### Single Sensor Controlling Whole Row

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.



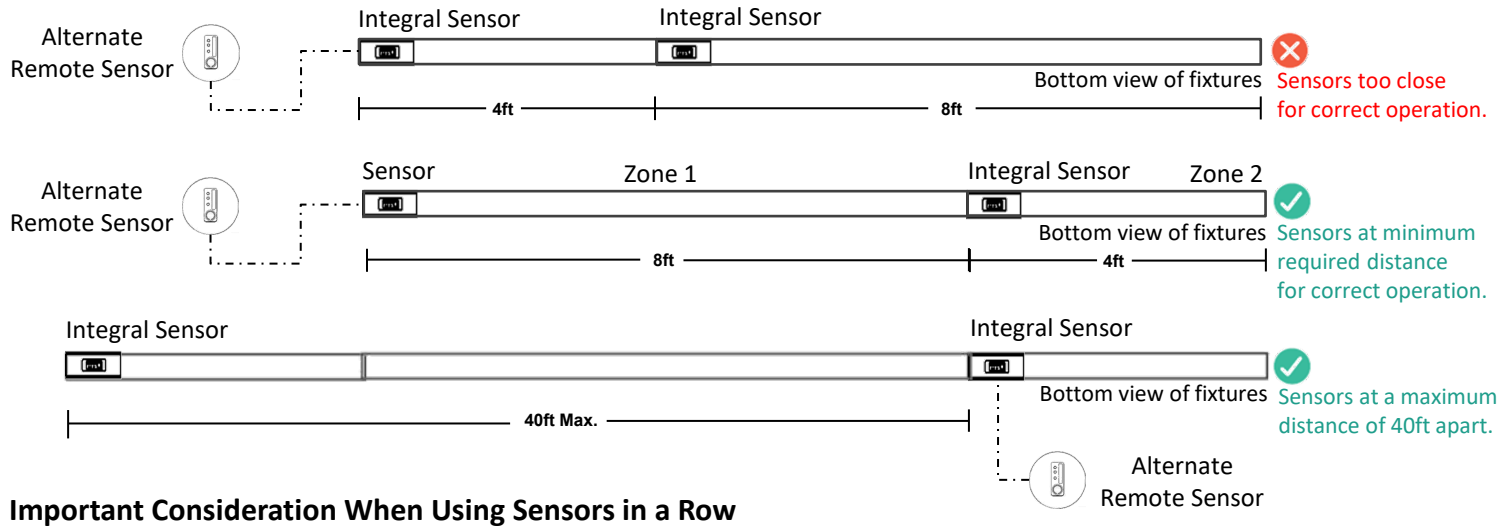

### Multiple Sensors Controlling Separate Zones in a Row

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.




### 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.

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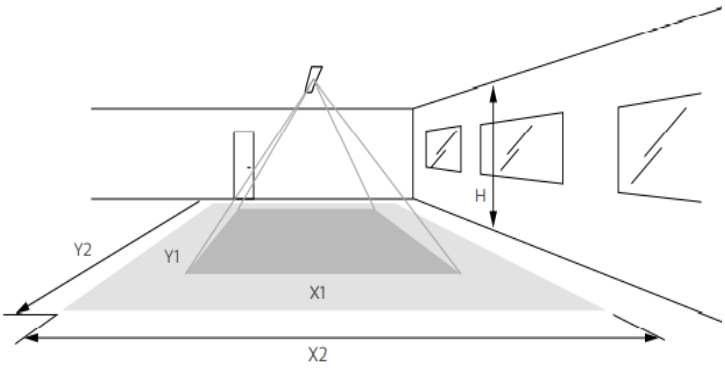
## Occupancy Sensor Coverage:

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).

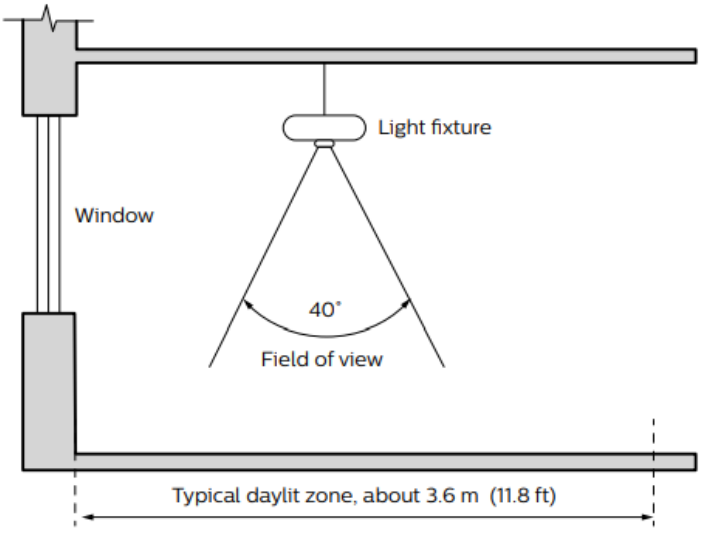
## Daylight sensor

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

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