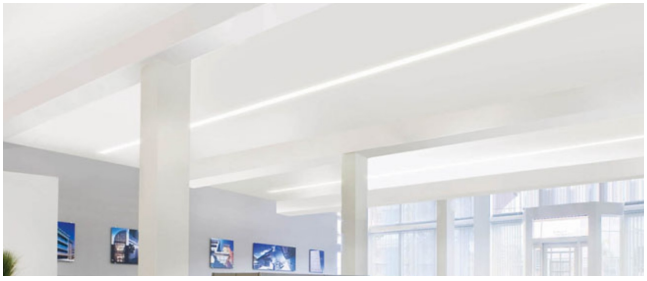


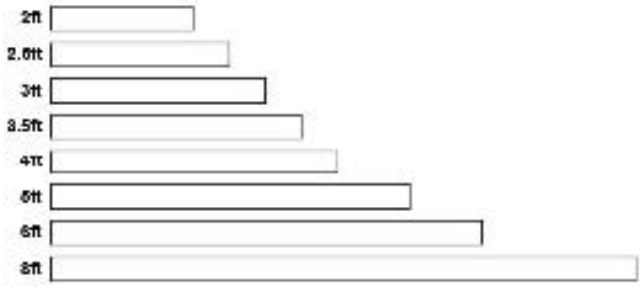
LEDALITE RC – TM Architectural Linear Instructions

Contents

LEDALITE

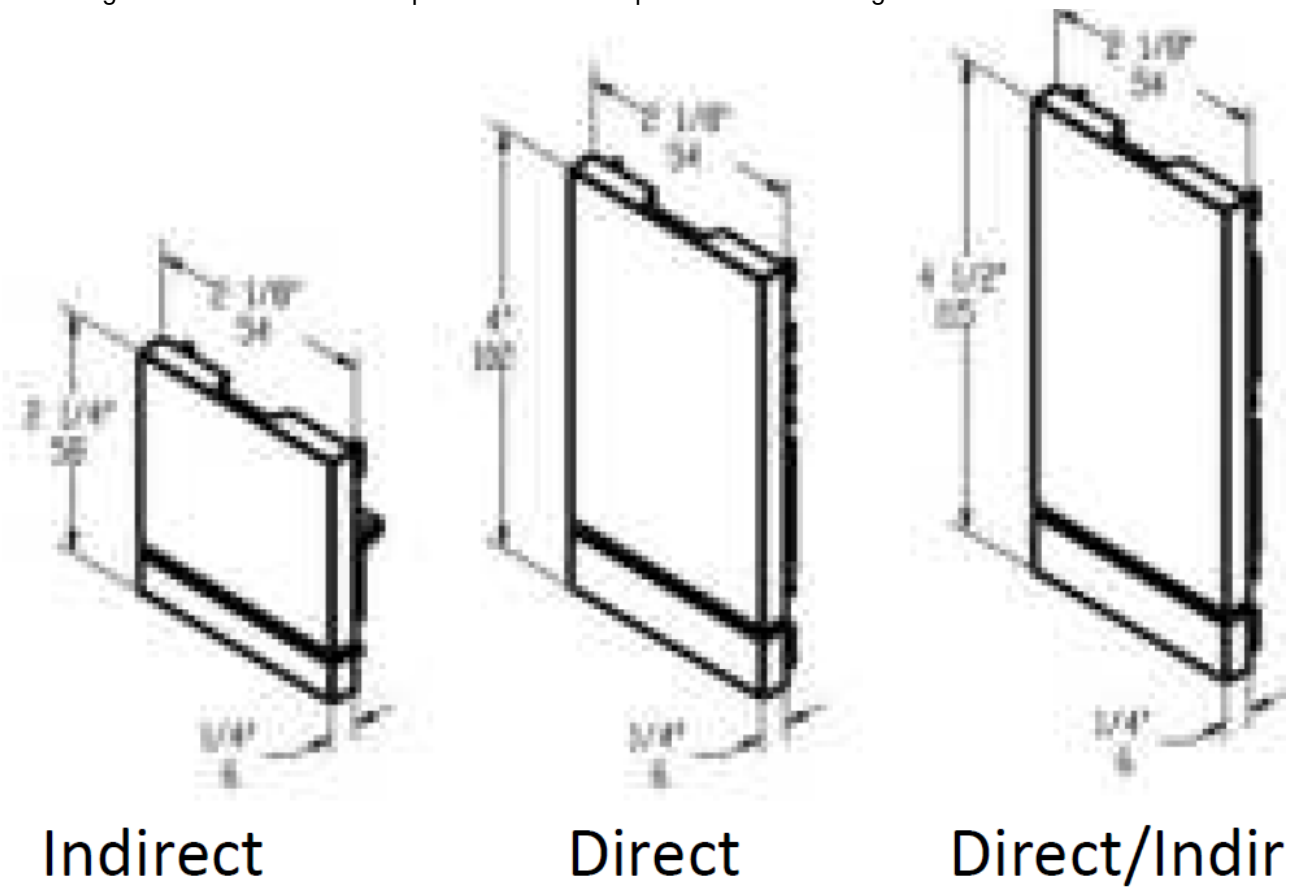
LEDALITE RC – TM Architectural Linear

Module Lengths
TruGroove suspended, surface and wall micro versions are available in the lengths listed on the right.



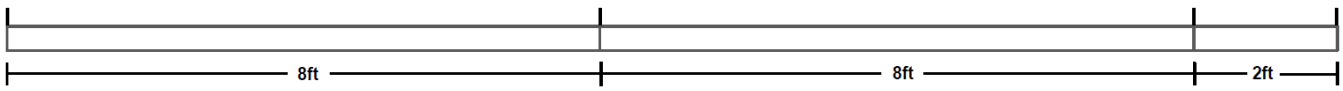
Dimensions here are overall length, not including endcaps.

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

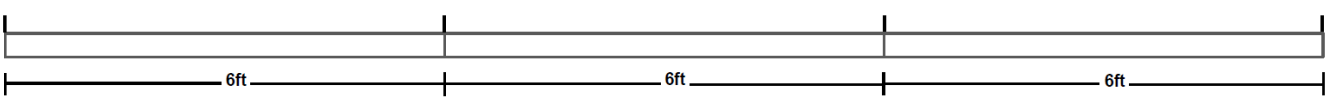


Row configurations
The nominal 2, 2.5, 3, 3.5, 4, 5, 6 and 8ft modules can be combined to create continuous rows of various lengths in 6in increments. There may be multiple ways to make up a specific row length. Modules can be combined in any order; use the following guidelines to optimize your row configuration:

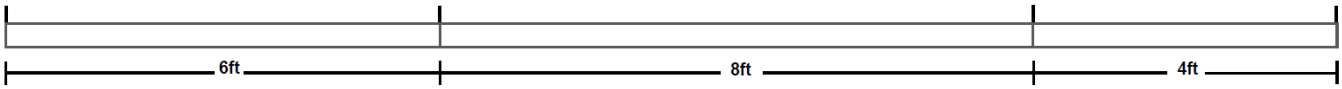
To optimize a row for best price
Build the row with mostly longer module lengths. See example below:



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:

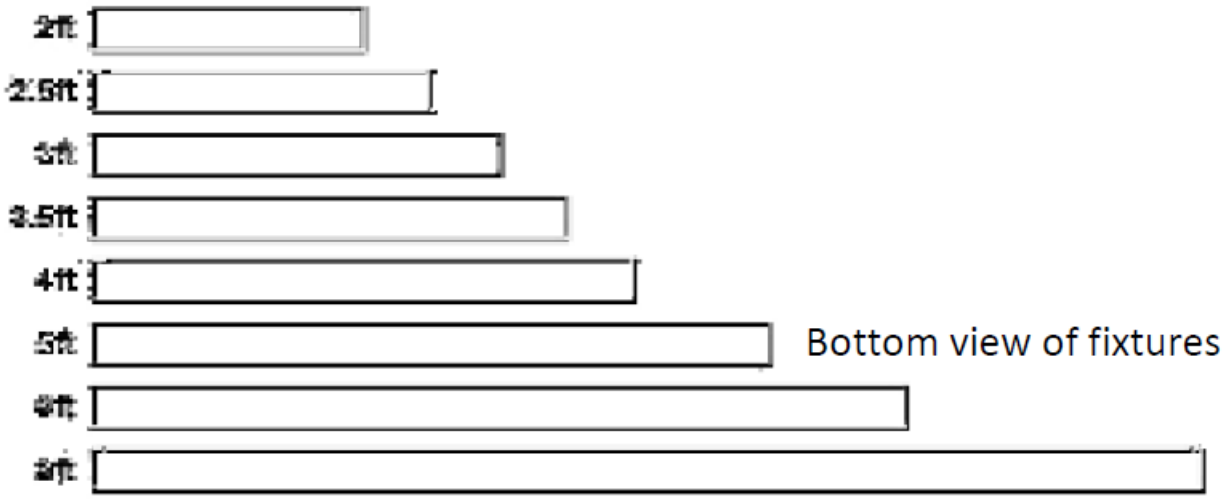


To optimize a row for installation condition
Choose modules lengths that allow mounting points to avoid obstacles such as sprinkler heads & HVAC vents. See example below:

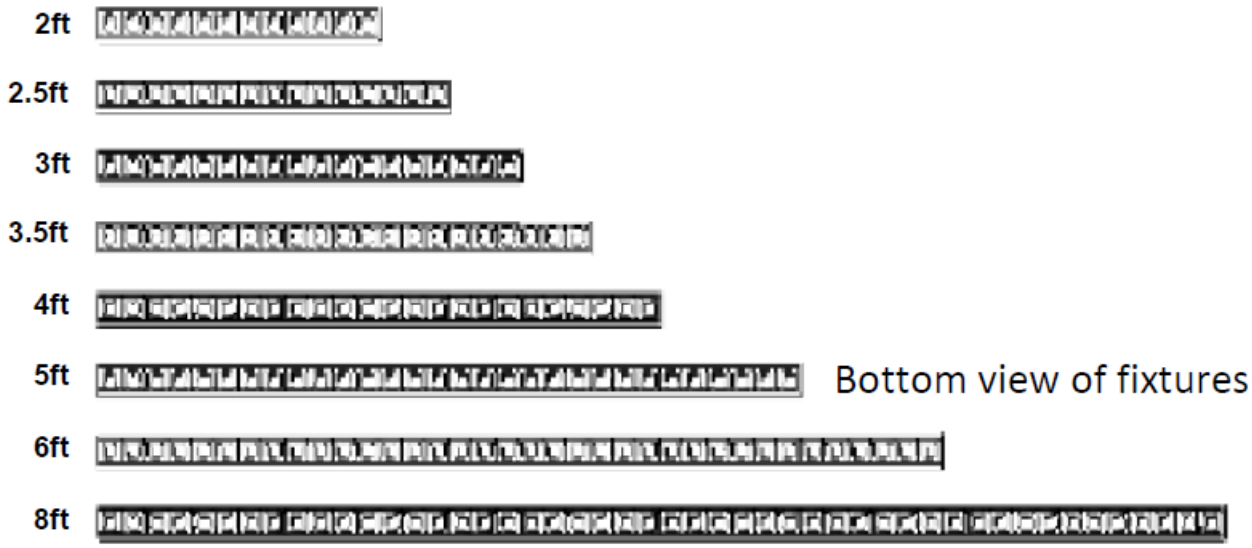


ATTENTION: Install in accordance with national and local building and electrical codes.

Lens Only Module Lengths
TruGroove suspended, surface and wall micro versions with lenses only are available in the lengths listed on the right.*

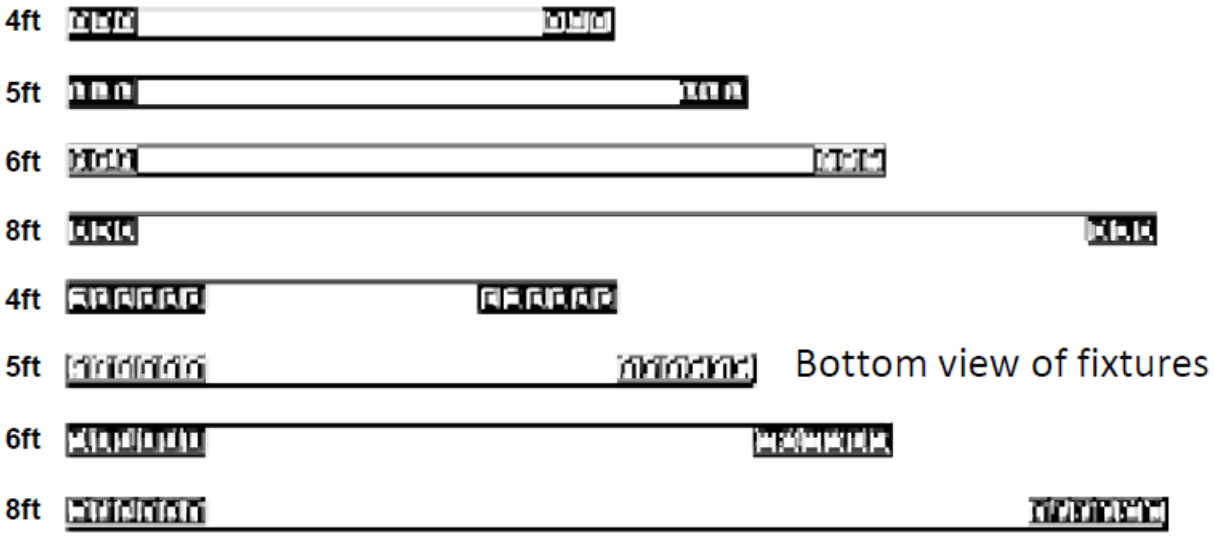


Louver Only Module Lengths
TruGroove suspended, surface and wall micro versions with louvers only are available in the lengths listed on the right.*

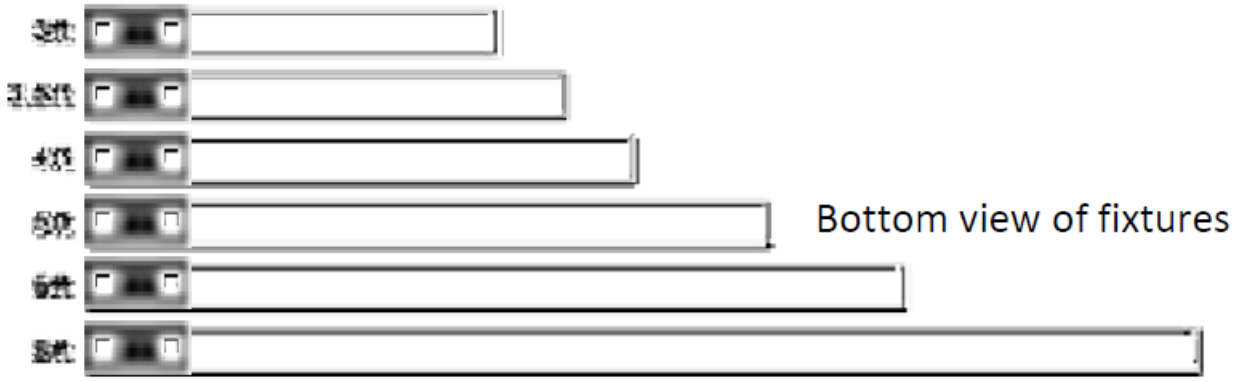


Lens/Louver Combo Lengths
TruGroove suspended, surface and wall micro versions with combination lens and louver are available in the lengths ≥ 4ft as listed on the right.*

- Louver length: 6in or 1ft
- Louver position: one end or both ends

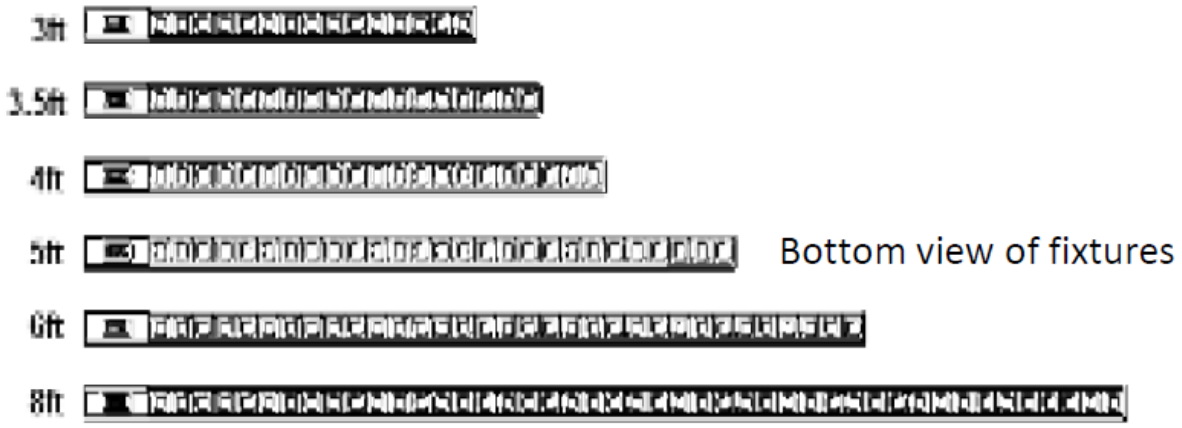


Lens Module Lengths with Sensor
TruGroove suspended, surface and wall micro versions with lens and sensors are available in the lengths listed on the right. Suspended and surface fixtures can be rotated 180˚. Wall fixtures are mounted on the wall, with sensors placed on the left end.*



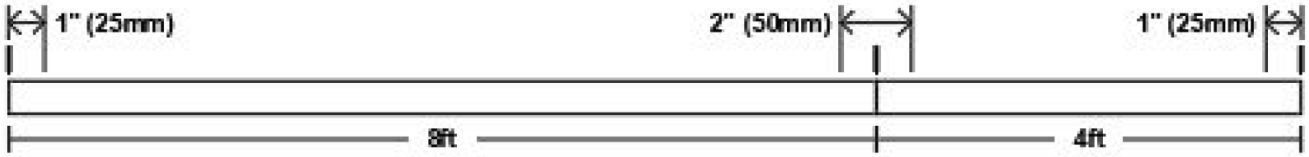
Louver Module Lengths with Sensor
TruGroove suspended, surface and wall micro versions are available with louvers and sensors in the lengths listed on the right. Suspended and surface fixtures can be rotated 180˚. Wall fixtures are mounted on the wall, with sensors placed on the left end.*
*Dimensions are overall fixture lengths, not including endcaps.

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



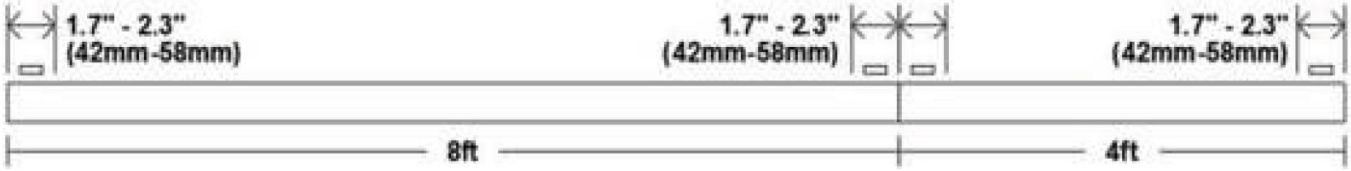
Suspended Mount Spacing

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.



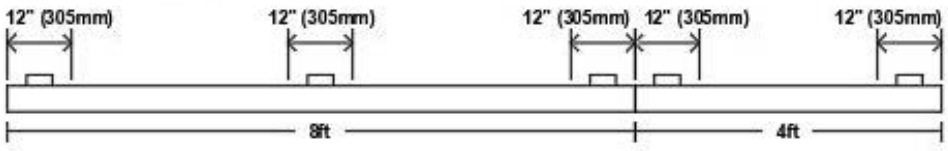
Surface Mount Spacing

Surface mounting studs should be located close to ends of modules within range specified below.



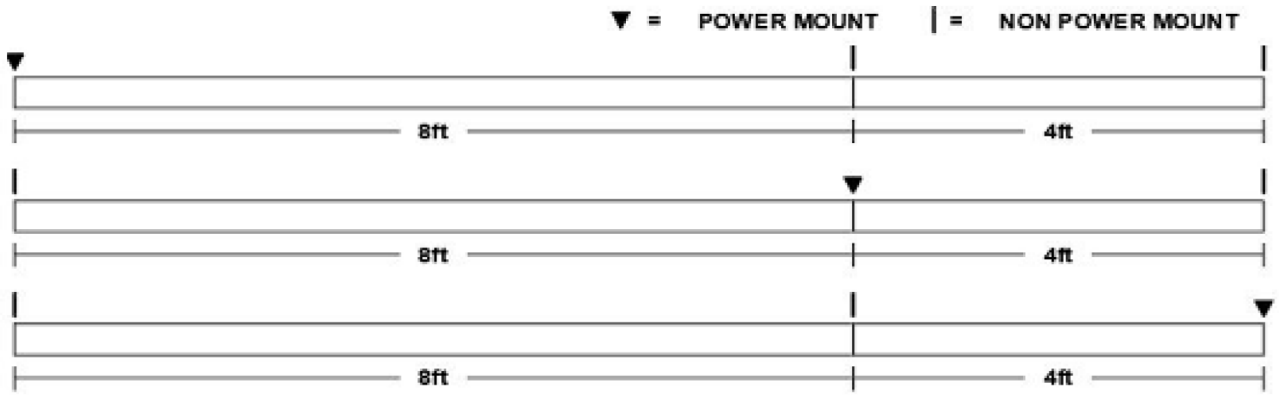
Wall Mount Spacing

Variable wall mount brackets can be positioned within 12” of module end or joint. Maximum distance between wall mounts is 48”.



Power Feed

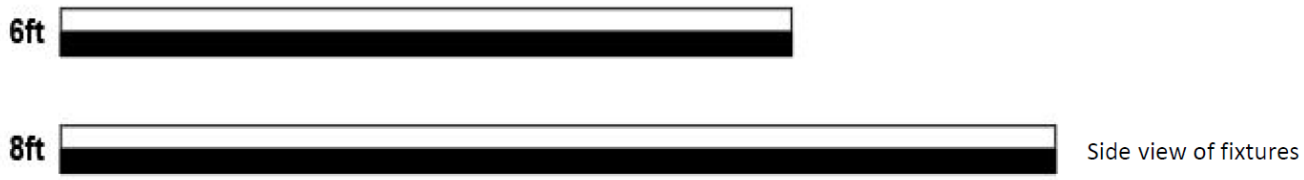
Power for the entire row can be placed at either end or any joint. See examples below.



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

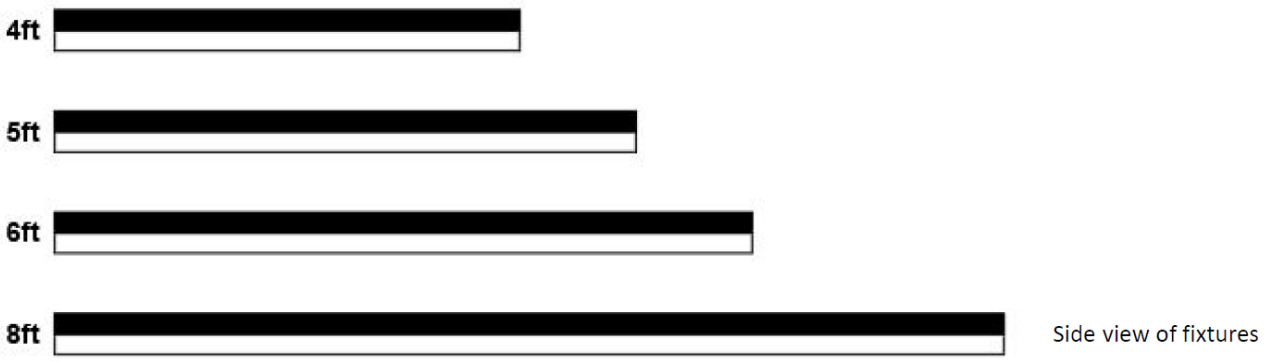
Battery Pack (BP)
Select modules are available with an optional Battery Pack which will power the entire length of a module.

Suspended & Wall: Direct/Indirect or Indirect/Direct – BP Availability
Module lengths of ≥ 6ft are available with an optional Battery Pack which will power the entire length of the direct hemisphere.



Suspended, Surface & Wall: Direct – BP Availability
Module lengths of ≥ 4ft are available with an optional Battery Pack which will power the entire length of the direct hemisphere.

Suspended & Wall: Indirect – BP Availability
Module lengths of ≥4ft are available with an optional Battery Pack which will power the entire length of the indirect hemisphere.



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

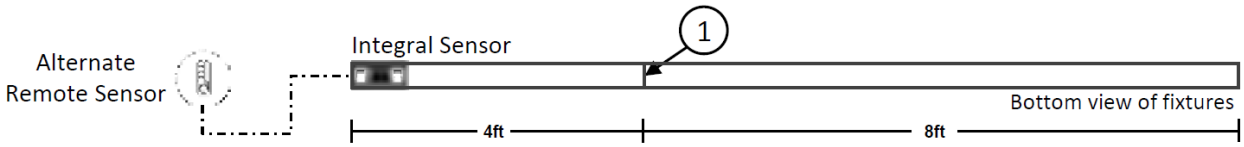
Sensors in Rows

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.

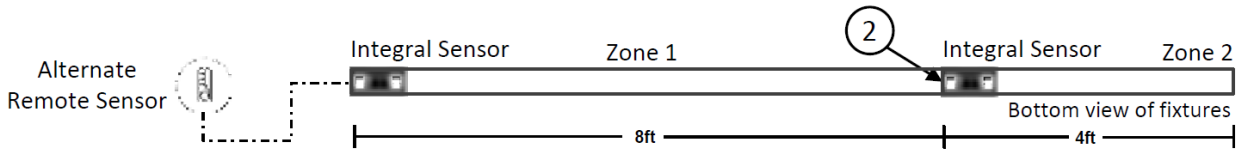


Multiple Sensors Controlling Separate Zones in a Row

2. Purple & brown (or purple & grey/pink) control wires MUST NOT be connected between zones.

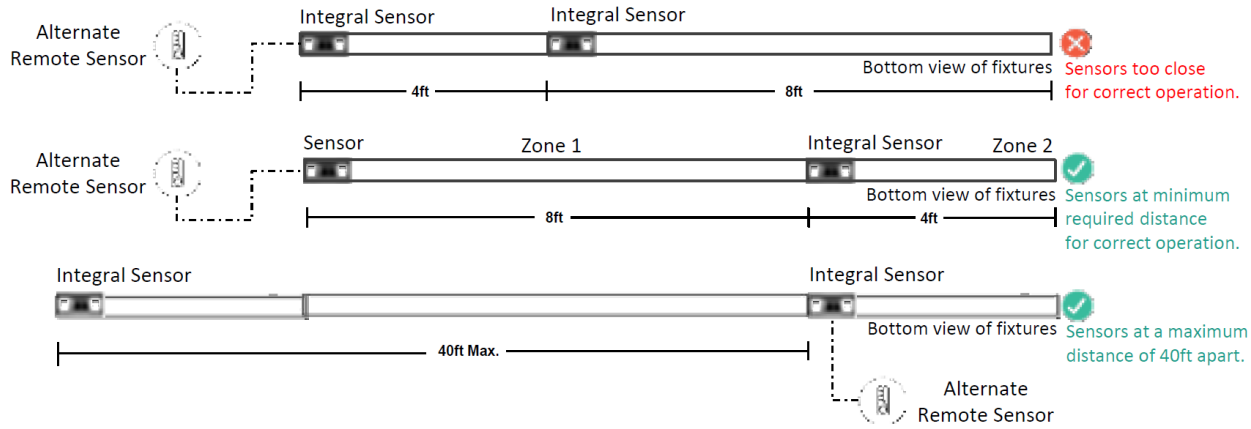
Notes:

- 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.

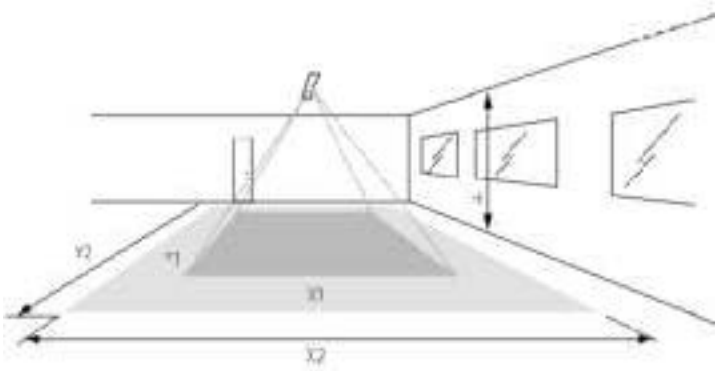


Important Consideration When Using Sensors in a Row

- **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.

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.



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.

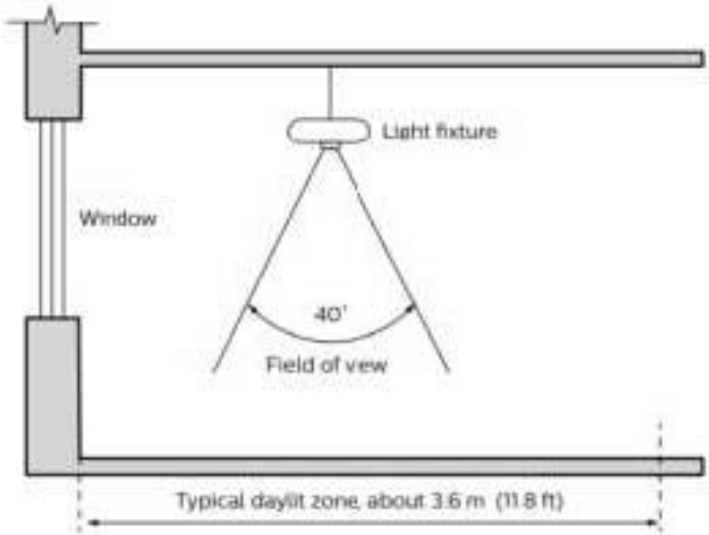
As a guideline the formula 0.72 x H can be used to calculate the minimum distance between the window and sensor whereby H is the height from the bottom of the window to the sensor.

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).

Photosensor spatial response



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

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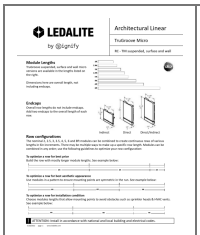
www.signify.com

Documents / Resources

	LEDALITE RC - TM Architectural Linear [pdf] Instructions RC - TM Architectural Linear, RC - TM, Architectural Linear, Linear

References

- Ledalite | Signify
- Home | Signify