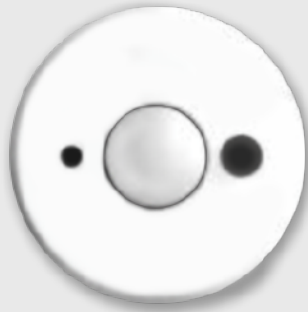


_____ Project name
 _____ Prepared by
 / / Date



AirLink™ Fixture Sensor
 enabled by Lutron®



Catalog #: ALOS/VS

Part #: 624088

624098

The fixture sensor (optional) mounts to the ceiling or to a fixture and measures light in the space (daylighting) while detecting people moving within an area to determine passive infrared occupancy. The sensor controls the lights to balance light level in the space, combining convenience, exceptional energy savings, and ease of installation. The sensor contains two wires which connect to the wireless fixture control (ALC). The ALC/ALCE and ALOS/ALVS are factory-installed for your convenience.

Applications



Small offices



Conference rooms



Classrooms



Lounges

Features

All wireless controls are also compatible with the wireless hub which provides a simple setup process using a standard web browser on any Wi-Fi enabled phone, tablet or computer. The hub enables control and monitoring of all wireless devices. The hub can be added at any time. System reprogramming required.

- Occupancy sensor timeout (fixture sensor): 15 minutes
- Utilizes a green laser pointer (see laser warning) to associate wireless switches (ALWS) and ceiling-mounted wireless sensors to wireless fixture controls via RF
- 2-wire connection between a fixture sensor and a wireless fixture controller. The wires are interchangeable to eliminate miswiring. Sensor comes with 2ft (0.6m) of wires. (If hanging pendant fixtures, the maximum wire length between fixture sensor and fixture control is 12ft (3.7m). Sensor should be mounted no more than 2ft (0.6m) from the fixture)
- Passive infrared motion detection with exclusive Lutron XCT Technology for major and minor motion detection
- Up to 300ft² (27.9m²) major motion coverage and 150ft² (13.9m²) minor motion coverage and 360° field-of-view
- Daylight sensor has simple, automatic calibration straight out-of-the-box
- Designed to give a linear response to changes in perceived light level. Detects ambient light level changes from 0 to 150 fc (0 to 1600 lx)

Applications and Control

Fixture Sensor:

- Great for individual control in cubicles. Maximize energy savings (fixtures in unoccupied spaces do not turn on)
- Simplifies the determination of what is needed for a job

Ceiling-Mounted Wireless Sensor:

- Cover large areas with a single sensor, which can mount anywhere in the space
- In order to turn on and off multiple fixtures together (known as "grouping"), a ceiling-mounted wireless occupancy sensor must be used.
- In order to have a row of fixtures dim up or down together in response to daylight, a ceiling-mounted wireless daylight sensor must be used.

Certifications & Affiliations





Applications and Control (continued)

Daylighting:

- Wireless fixture controls have two options for daylighting. The fixture sensor can be used for simple, out-of-the-box daylighting. The ceiling-mounted wireless daylight sensor can be added for the ability to adjust and fine tune daylighting settings.
- Provides the ultimate flexibility in daylighting; target light level (tuning) and gain value (through calibration) can be adjusted independently. Daylighting rows/zones can be setup so multiple fixtures dim in unison. They placed anywhere since they are completely wireless, and performance can be optimized through placement and fine tuning.

Specifications

Regulatory Approvals

- cULus Listed

Wiring

- Sensors are IEC SELV / NEC® Class 2 rated

Power and Load

- Operating voltage: 12V_{DC}
- Operating current: 25 mA
- IEC SELV / NEC® Class 2

Environmental

- Ambient operating temp: 32°F to 104°F (0°C to 40°C), 0%–90% humidity, non-condensing; indoor use only

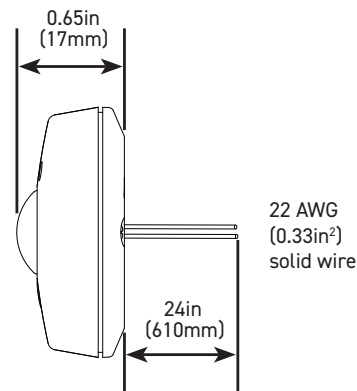
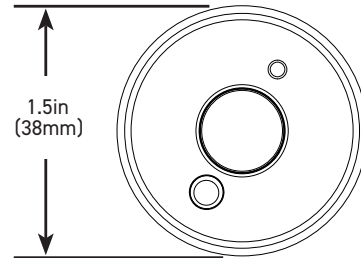
Green Laser Output

- Wave output: constant
- Wavelength: 532 nm
- Output power: 5 mW maximum

Warranty

- 5-year Limited Warranty

Dimensions



Ordering Information

The fixture sensors (ALOS and ALVS*) are sold in conjunction with the fixture controller (ALC).

* Lights do not turn on automatically with a vacancy sensor. A wireless switch is needed to turn on the lights

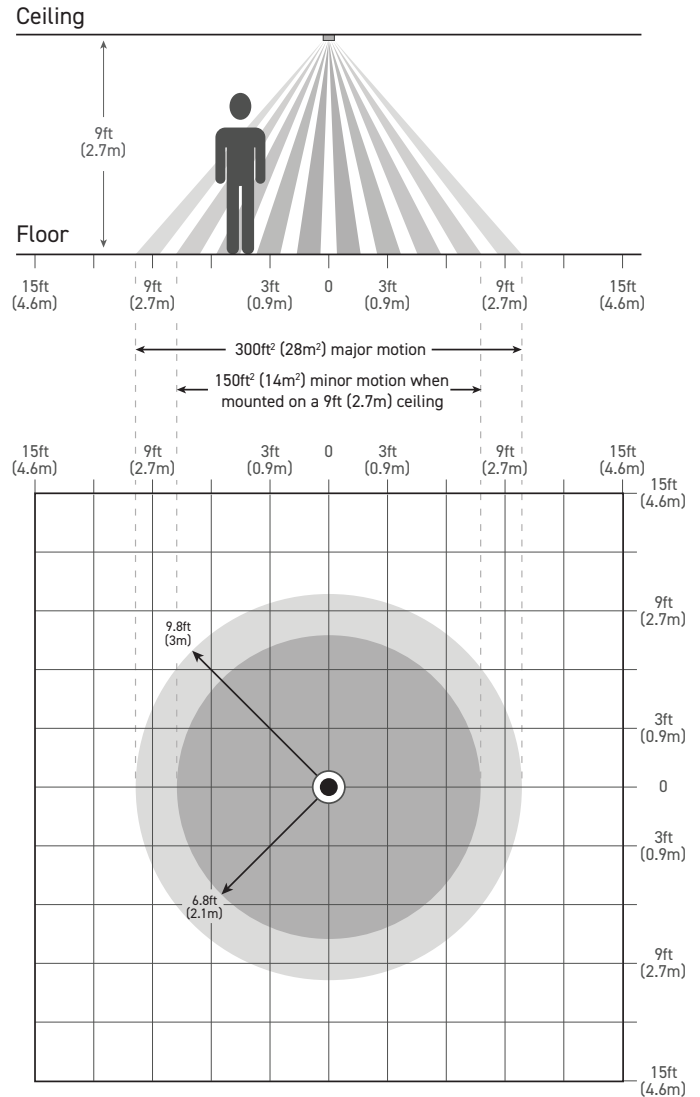
Part #	Catalog #	Description
624088	ALOS	AirLink System – Fixture Sensor (Occupancy)
624098	ALVS	AirLink System – Fixture Sensor (Vacancy)



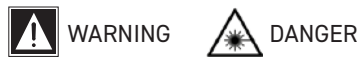
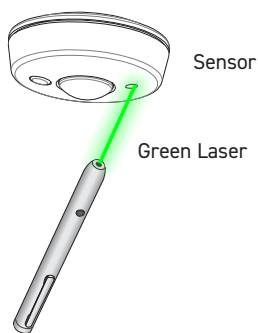
Sensor Range Diagram

Major motion: Movement of a person entering or passing through an area.

Minor motion: Movement of a person occupying an area and engaging in small activities (e.g., reaching for a telephone, turning the pages of a book, opening a file folder, pick up a coffee cup, etc.).



Laser Warning



Eye injury and/or blindness hazard; avoid direct eye exposure to laser beam.

- Use of laser pointer is NOT recommended for use with products located near reflective surfaces.
- Do NOT aim or shine laser pointers at any person, pet, vehicle or aircraft directly or mirrors or other reflective surfaces.
- Do NOT view the laser beam through binoculars, magnifying glass or other optical devices.
- Do NOT allow children to use laser pointers.
- Read and follow the laser pointer manufacturer's instructions on safe use. In the event of injury, get medical attention immediately.



The AirLink System

Wireless controls & sensors



Wireless remotes & switches



Occupancy/Vacancy & Daylight sensors



AirLink-integrated Fixtures

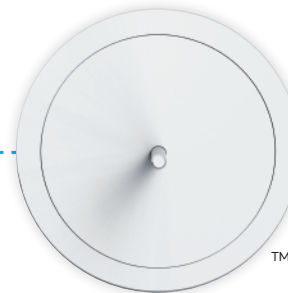


AirLink-compatible Fixtures



Plug load controllers

Centralized control & integration



Wireless hub

Wired / Ethernet

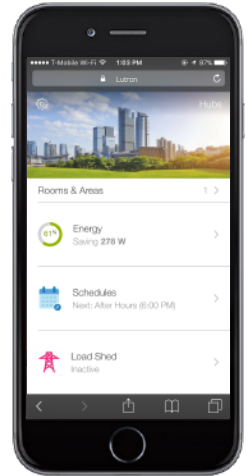


Demand Response



BACnet integration

Simple-to-use software



Lighting control web app

Contact LSI Controls



Sales
controls.sales@lsi-industries.com



Support
controls.support@lsi-industries.com
1 (800) 436-7800 (support, option 8)



More information
For more information on AirLink, visit our website at www.lsi-airlink.com/airlink