

\_\_\_\_\_ Project name  
 \_\_\_\_\_ Prepared by  
 / / Date



**AirLink™**  
 enabled by Lutron®

## Ceiling-Mounted Wireless Daylight Sensor

Catalog #: **ALW PC CM**  
 Part #: **624090**



The Ceiling-Mounted Wireless Daylight Sensor is a battery-powered sensor that automatically controls lights via RF communication to compatible dimming or switching devices. This sensor mounts to the ceiling & measures light in the space. The sensor then transmits the light level to the associated dimming or switching devices that automatically control the lights to balance light level in the space. The sensor combines both convenience & exceptional energy savings potential along with ease of installation.

### 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.

- Wireless daylight sensor has simple calibration
- Daylight compensation through Lutron reliable open loop control
- Designed to give a linear response to changes in viewed light level
- Light range 0 to 150fc (0 to 1600lx)
- Uses Lutron Clear Connect Technology
- Works with wireless occupancy/vacancy sensors & wireless switches
- Intuitive test mode provides instant system verification
- Multiple ceiling-mount methods available for different ceiling materials
- Front accessible test buttons make setup easy
- On a single-tap, lights fade ON or OFF, on a double-tap, lights go to full ON.
- 10-year battery life

### Specifications

#### Regulatory Approvals

- Lutron Quality Systems Registered to ISO 9001:2008
- FCC & IC certified
- COFETEL, ANATEL, ASEP, CRC, SUBTEL, SUPERTEL, SUTEL
- Meets CA (U.S.A.) Energy Commission Title 24 requirements
- cULus Listed
- RoHS compliant

#### Range

Local load controls must be located within 60ft (18m) line-of-sight, or 30ft (9m) through walls, of a sensor

#### Power and Performance

- Operating voltage: 3V  $\text{---}$
- Operating current: 7 $\mu$ A
- Requires one CR 2450 lithium battery
- Non-volatile memory (settings stored during power loss)

### Certifications & Affiliations





## Specifications Continued

### Environmental

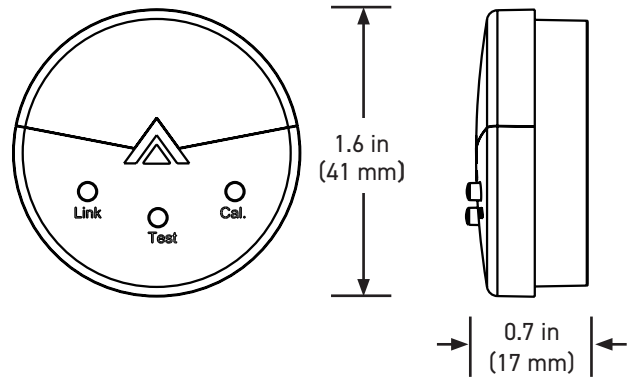
- Ambient operating temp: 32°F to 104°F (0°C to 40°C)
- Relative humidity: less than 90% non-condensing; indoor use only

## Installation Overview

Determine the Daylight Sensor mounting location using the diagrams (right)

- The arrow on the daylight sensor points toward the area viewed by the sensor
- Place the daylight sensor so the arrow is pointed at the nearest window at a distance from the window of one to two times the effective window height (H)
- The effective window height (H) starts at the window sill or 3ft (1m) up from the floor, whichever is higher & ends at the top of the window
- Ensure that the view of the daylight sensor is not obstructed (e.g. ceiling fans or pendant fixtures)
- Do not position the daylight sensor above an electric light that shines up at the ceiling or at the sensor
- Do not position the daylight sensor in the well of a skylight or above indirect lighting fixtures
- For narrow areas where the daylight sensor cannot be placed 1-2 (H) from windows, place sensor near windows facing into the space
- Mount sensor(s) away from large metal surfaces (e.g. light fixtures or metal-backed ceiling tiles). Metal objects will affect the RF performance of the sensor

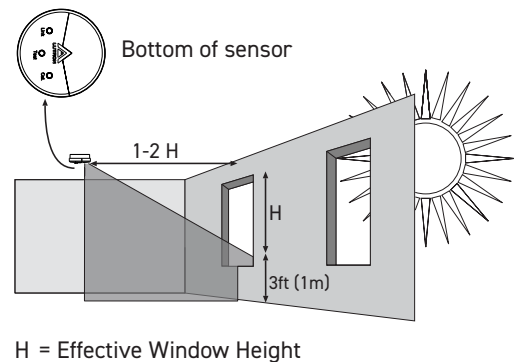
## Dimensions



## Mounting

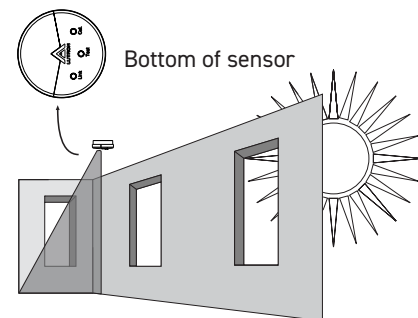
### Location for average size areas

Arrow on sensor points towards the area viewed by the sensor (towards the window)



### Location for narrow areas

Arrow on sensor points towards the area viewed by the sensor (away from the window)



## Ordering Information

Part #	Catalog #	Description
624090	ALW PC CM	AirLink System – Ceiling-Mounted Wireless Daylight Sensor (Photocell)



**AirLink™**  
enabled by Lutron®

# Ceiling-Mounted Wireless Daylight Sensor

## The AirLink System

### Wireless controls & sensors



Wireless remotes & switches



Occupancy/Vacancy & Daylight sensors



AirLink-integrated Fixtures

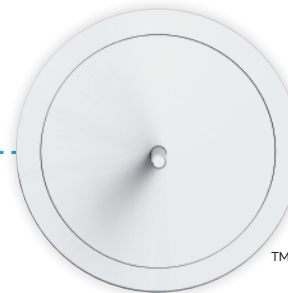


AirLink-compatible Fixtures



Plug load controllers

### Centralized control & integration



Wireless hub



Wired / Ethernet

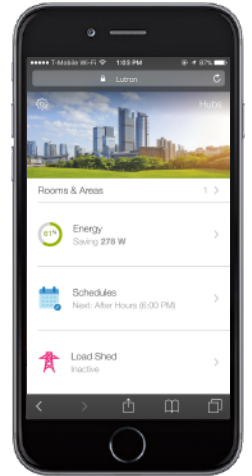


Demand Response



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](http://www.lsi-airlink.com/airlink)