

Wireless Daylight Sensor

Hubbell's 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 and measures light in the space. The sensor then wirelessly transmits the light level to the associated load control devices that automatically control the lights to balance light level in the space. The sensor combines both convenience and exceptional energy savings potential along with ease of installation.

Key Features

- Daylight compensation through open loop control.
- Designed to give a linear response to changes in viewed light level
- Simplified 2 button, 6-second press and hold, commissioning procedure
- One sensor can be associated to up to 10 compatible RF control devices
- Intuitive test mode provides instant system verification
- Multiple ceiling mount methods available for different ceiling materials
- Works seamlessly with other WL series controls
- Front accessible test buttons make setup easy
- 10-year battery life design



WLDH

Communication Frequency

- 431.0 – 437.0 MHz
- Lutron® Clear Connect™ RF technology enabled

Receiving Devices WL-Series Wireless Controls



WLS1278 Series
Wireless Switches



WLC316R
Wireless Control Unit



*Clear Connect™ is a registered trademark of Lutron Electronics Co., Inc.



Wireless Sensing and Load Control Devices



Wireless Daylight Sensor

Description	Catalog Number
Daylight sensor 0–107,000 Lux (0-10,000 fc), White	WLDH

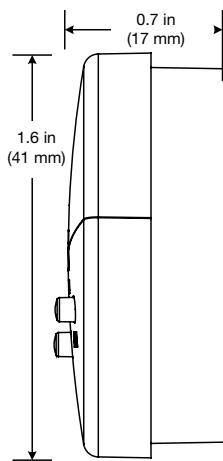
Compatible Controls: WSL1278xx switch, WLC316R control unit, or any Lutron Clear Connect Enabled Control Device.



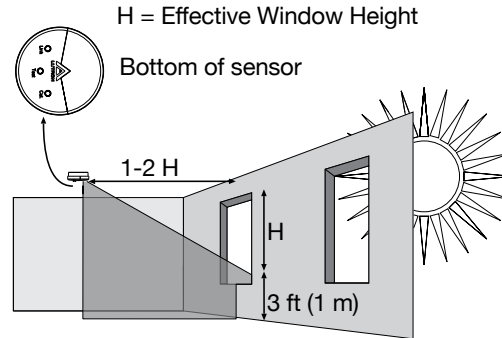
Specifications

Electrical	Operating voltage: 3V Operating current: 7 μ A Includes one CR 2450 lithium battery 10-year battery life design Non-volatile memory (saved changes are stored during power loss)
Construction	High impact, UL 94-5V plastic
Operating Environment	Indoor use only Operating temperature: 32 °F to 104 °F (0 °C to 40 °C); Relative humidity: < 90% non-condensing
Range	RF range is 30 ft (10 m) obstructed , 60 ft (18 m) line of sight
Certifications	FCC Approved. Complies with the limits for a Class B digital device. Pursuant to Part 15 of the FCC Rules, IC (RSS-210), SCT, Meets CAA Title 24 requirements
Warranty	1 year

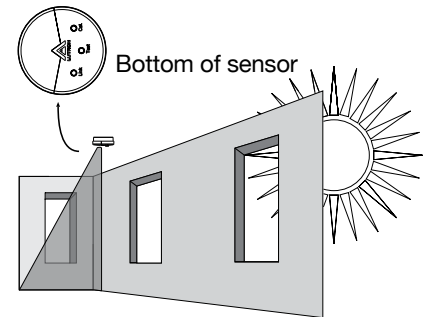
Dimensions In (mm)



Mounting



Location for average size areas: Arrow points towards the area viewed by the sensor (towards windows).



Location for narrow areas (corridors, private offices) Arrow points towards the area viewed by the sensor (away from window)

Installation Overview

Determine the Daylight Sensor mounting location using the diagrams above:

- The arrow on the daylight sensor points toward the area viewed by the sensor.
- 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.
- 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.