

## Features

- Location . . . . . Indoor
- Function . . . . . Light Sensor
- Type . . . . . Wall
- Coverage Area . . . . up to 75 ft
- Installation Height . . . . 6.8 ft
- Time Delay . . . . . 30 sec – 30 min
- Lux Level . . . . . 20 – 2000 Lux
- Sensitivity . . . . . Max – Min
- Connection . . . . .Wired
- Drive . . . . . Relay
- Dimming . . . . . No

## Description

The ILWHCW-WR1 is a 360° Light control sensor. The design is based on a Light sensor when implemented will significantly reduce the energy consumption for the end user. The sensor operates by detecting the amount of light incident on the sensor that is a combination of both external or natural light and installed or artificial lighting in the room. The lights will turn OFF automatically when the combination of light (both external or natural light plus the installed lighting) exceeds the preset light level for the area. By automatically turning ON and turning OFF lights the user will be able to save significant amount of energy. This product is suitable for Indoor use only. This product is ideal for use in large office areas, large halls and cafeteria.

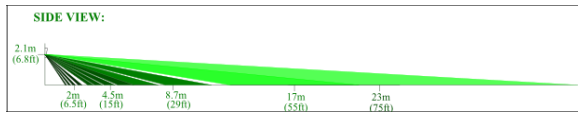
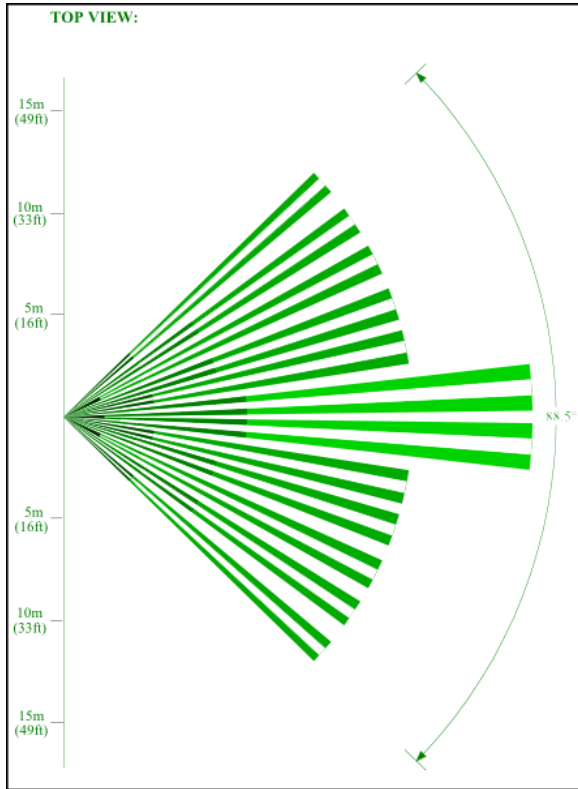
## Operation

The light sensor will maintain the illumination in the room at a preset level. The sensor constantly measures the light level in the room, which includes the artificial light from the fixtures and the natural light coming from outside. The combination of both lights is used to maintain the light levels at a pre-set level by controlling (turning ON or OFF) the artificial light fixtures.

## Coverage Area



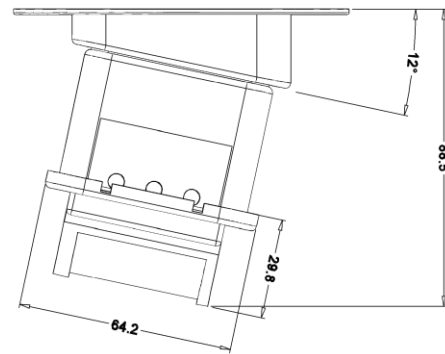
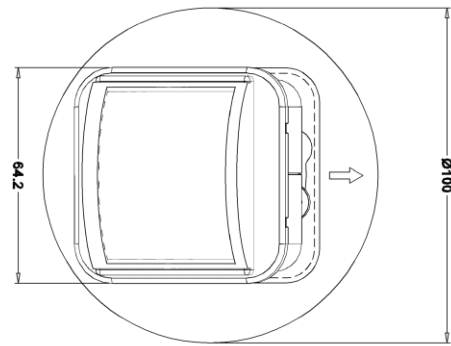
The ILWHCW-WR1 has a circular sensing coverage area up to 75 feet when installed at a height of 6.8 feet. Sensitivity can be adjusted to detect minor movements over a distance of 12 feet from the sensor .These sensors can be used individually or can be ganged together to increase the coverage area.



## Environmental Specifications

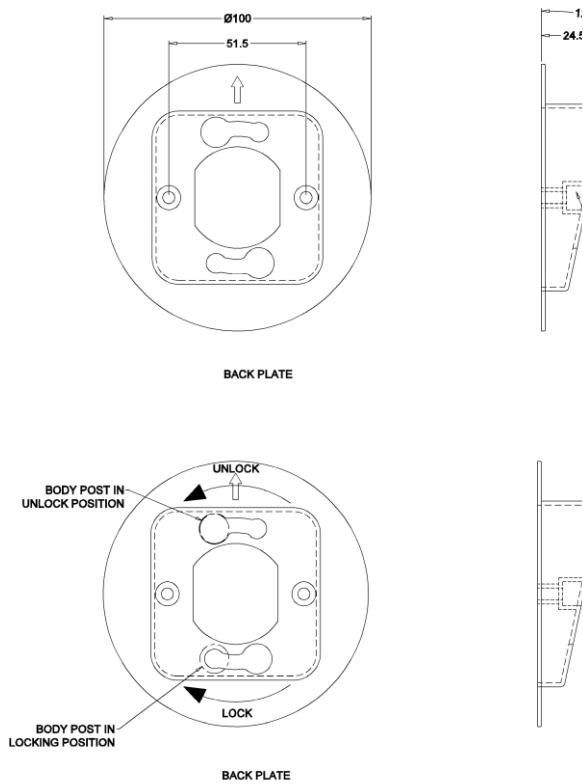
Storage Temperature Range . . . . . 0°C to 50°C  
Relative Humidity . . . . . 20% to 90%  
(non-condensing)

## Mechanical Drawing



## Electrical specifications

Supply voltage . . . . . 85 – 265 VAC  
Frequency . . . . . 50/60 Hz  
Resistive Load @110 V . . . . . 1000 W  
Resistive Load @220 V . . . . . 2000 W  
Inductive Load @110 V . . . . . 500 W  
Inductive Load @220 V . . . . . 1000 W  
Min load . . . . . No load  
Wire Designation . . . . . Line-In – Red  
. . . . . Line-Out - Blue  
. . . . . Neutral – Black  
. . . . . Aux-In -Brown



## Supporting Documents

Review the following documents before installation. It will help you understand the sensor and fully exploit its capabilities.

- 1) Wall Sensor Installation
- 2) Load specification- Relay Switching-Line
- 3) Manual Set up
- 4) Function definition and description
- 5) Troubleshooting
- 6) Daylight Harvesting