

PHILIPS

Sensors



Specification Sheet

OCC SENSOR IA CM IP65 WH / OCC-DL SENSOR IA CM IP65 WH

Philips wireless occupancy sensor and multi sensor, which are Interact Ready, mean easy upgrade to a smart lighting system. Its 2.4GHz Zigbee technology enables reliable and secure communication towards the lights in your space. It triggers automatic responses to turn on, off or dim the lights according to occupancy detection and daylight variation. The sensor is designed for waterproof applications and low to mid-bay heights.

OCC SENSOR IA CM IP65 WH / OCC-DL SENSOR IA CM IP65 WH

Product Features

Occupancy Detection

- Passive Infrared (PIR) technology to detect occupancy accurately
- Adjustable sensitivity. Minimum false trigger

Daylight Sensing

- High accuracy of ambient light measurement from 1 to 1500 LUX
- Closed loop daylight regulation
- Daylight fast report for calibration

Installation

- Battery-powered, no mains wire required
- Quick and easy mounting with tapes or screws
- Walk test mode available for optimal detection
- Waterproof applications

Environment

- No Mercury
- Low Carbon Footprint

Connectivity

- 2.4 GHz mesh networking technology
- Reliable and secure wireless communication, nominal range 15 m
- Easy commissioning

Control Functionality

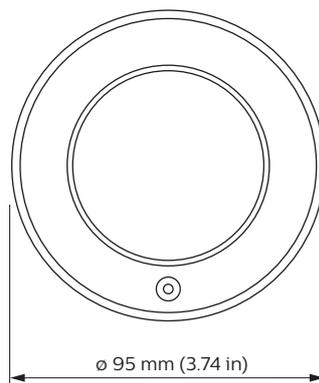
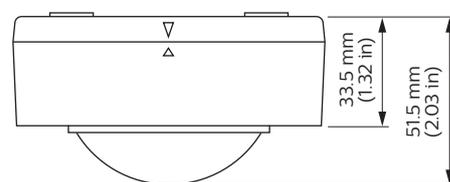
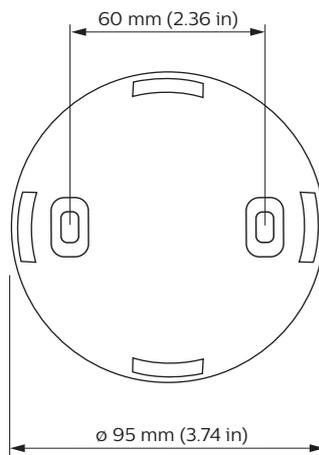
- Automatic light control based on occupancy detection and daylight sensing
- Adjustable sensor parameters for personalized lighting behaviors

Reliability

- Reliable operation between $-40\text{ }^{\circ}\text{C}$ and $50\text{ }^{\circ}\text{C}$ ambient temperature.*
- IP65 (IEC standard 60529)
- Battery life > 10 years
- MTBF (motion sensor) > 500 hr

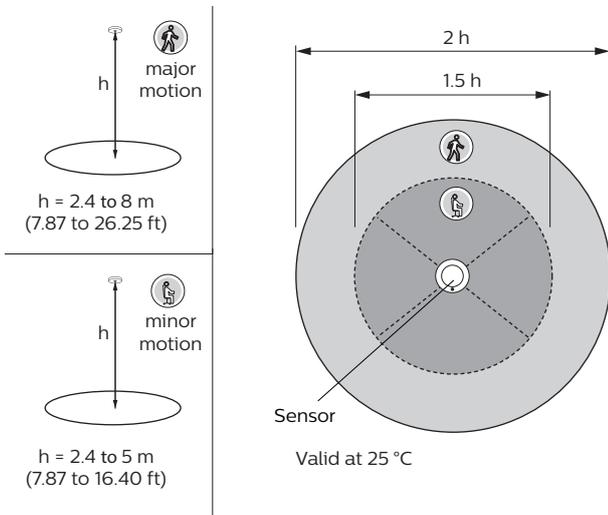
* PIR sensing performance is affected by the difference in temperature between the moving object and the ambient.

Dimensional drawings

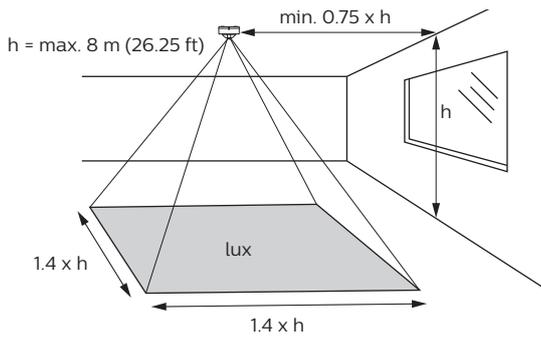


Field-of-View

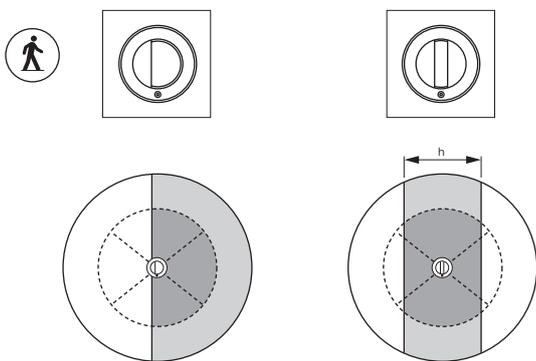
Field of view motion



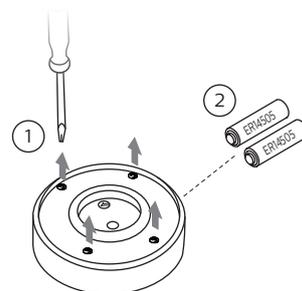
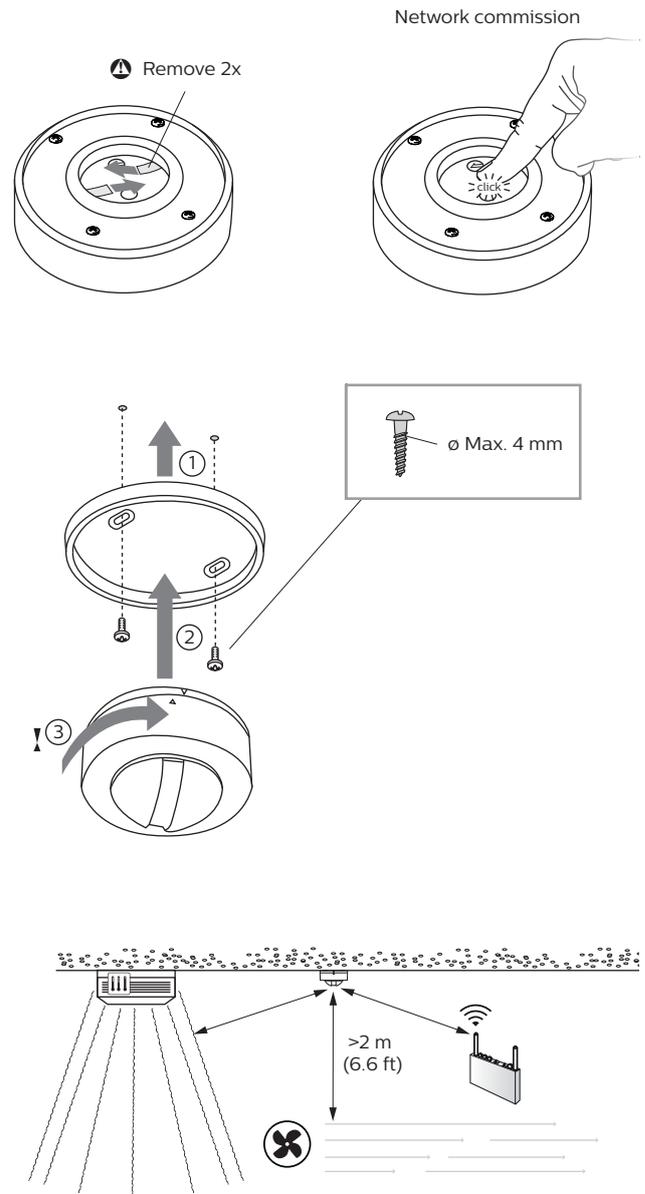
Field of view daylight



Motion field of view can be reduced using the plastic shield on top of the lens



Installation Instructions

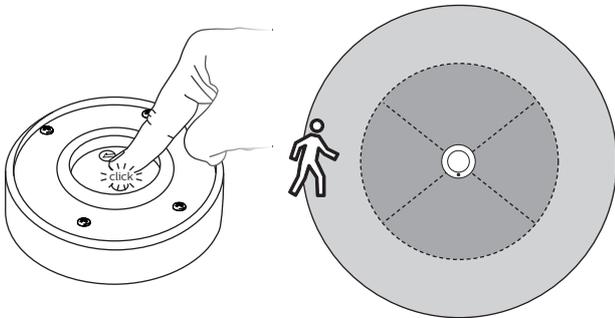


Note
 Battery replacement should be done by skilled or instructed person.

Caution
 Risk of explosion if battery is replaced by an incorrect type
 dispose of used batteries according to the instructions.

A walk test will help to determine the optimal location to place the sensor by quickly testing the occupancy detection coverage. It's ONLY possible after sensor has been commissioned.

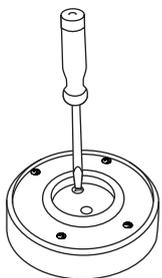
Walk test



- 1 Press once AFTER commissioning to enter/exit the mode
- 2 Red LED on - motion
Red LED off - no motion

- If needed, the sensitivity for motion detection can be adjusted with the dial at the back. Three sensitivity levels are available from Low, Medium to High (High as default).

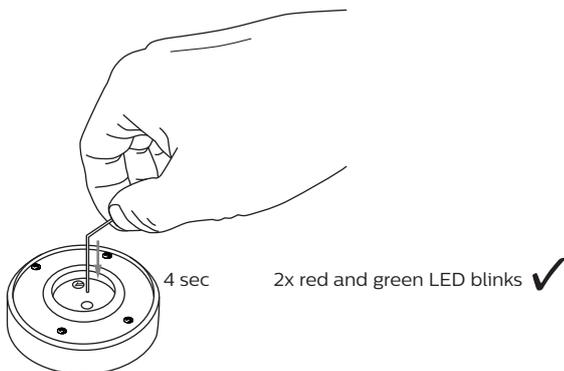
Sensitivity



- L Low
- M Medium
- H High

- Performing factory reset will restore sensor to un-commissioned status. Sensor will be removed from current network (if any).

Factory reset



LED indicator

LED pattern

| | |
|-----------------------------|------------------------------------|
| Green LED blinks every 10 s | Ready for commissioning |
| Green LED blinks every 2 s | Commissioning in progress |
| Green LED flash 2x | Commissioning successful |
| Red LED flash 2x | Commissioning failure |
| Green and Red LEDs flash 2x | Successful factory reset |
| Red LED flash 1x | Motion detected in walk test mode |
| Green LED flash 6x | Occupancy detected |
| Red LED flash 3x | Occupancy detected and battery low |

Specifications

General

Mounting height 2.4 to 8 m (7.87 to 26.24 ft)

Battery lifetime > 10 years

RF range open-air 15 m

Daylight level 1 to 1500 lux

Environmental

Temperature

operational -40 °C to 50 °C

storage -40 °C to 70 °C

Humidity 0% to 95% non-condensing



Ordering Data

| Type | MOQ | Ordering number |
|---|-----|-----------------|
| LCN3110/05 OCC SENSOR IA CM IP65 WH EU | 1 | 9137.010.43903 |
| LCN3110/05 OCC SENSOR IA CM IP65 WH NA | 1 | 9137.010.43913 |
| LCN3120/05 OCC-DL SENSOR IA CM IP65 WH EU | 1 | 9137.010.44003 |
| LCN3120/05 OCC-DL SENSOR IA CM IP65 WH NA | 1 | 9137.010.44013 |

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