



## MultiSensor

The Mymesh MultiSensor is a product from the Building Light Control product suite for wireless lighting control. The MultiSensor is a wireless PIR motion detector and light sensor with a lifetime battery and can easily be mounted on any ceiling or wall.

The MultiSensor enables you to control (switch/dim) a group of lighting fixtures equipped with the Building Light Controller based on motion or illuminance.

All Building Light Control devices automatically form an ad-hoc wireless mesh network, that is called Mymesh. The Mymesh network is robust, self-organizing and self-healing. For reliable data communication, the Mymesh network uses the 2.4GHz ISM band. The MultiSensor is fitted with an internal antenna providing enough reach for most indoor office and factory lighting

### Technical summary

The PIR motion detector senses the motion of persons within its detection area.

The PIR sensor reacts to temperature differences between the ambient temperature and the moving person or object. The ambient light sensor measures the actual lux level at the sensor head. With the Mymesh Commissioning App for iPad, the properties for light control behavior can be set for a group of lighting fixtures.

### Features

- On-the-fly (re) commissioning with a Mymesh BLE Gateway and Mymesh app for iPad
- Connect to third-party back-office / light management system
- Adjustable delay time for motion detection
- Constant light level control for automatic dimming or intensify a group of Lighting fixtures
- Calibration of the light sensor for indirect measurement to adapt to different installation situations
- An optional mounting bracket of 45° for optimal mounting in every situation

### Network features

- Wireless, stand-alone network that is self-organizing and self-healing
- 2.4GHz communication for reliable data transfer
- Secure by design
- Ultra-scalable to > 10.000 fixtures in one network
- Low operational cost

### Mymesh Support Centre (MSC)

At the MSC, you can find the Mymesh e-courses which provide a lot of information about the network, the platform and other Mymesh functionalities. MSC is available for verified Mymesh Partners & Dealers.

## Device information

### Connections

**Power Supply** Non replaceable and rechargeable battery

**Battery Life** 10 years, depending on use and location

### Protection Degree

**MultiSensor** IP54

### Radio

**Band** 2.4GHz ISM band (2.400 – 2.4835 GHz)

### Mounting

**Surface Mounting** No Wiring

Same format as traditional wall mount

### Order information

**MultiSensor** BLC.5000.003

**Mounting bracket 45°** BLC.5510.001

### Environment

**Operating Temp.** -20 °C to +45 °C

**Relative Humidity** 25% to 90%

**Installation Height** Maximum 2000m above sea level

### Certification

ETSI EN 300 440

ETSI EN 301 489-01/03

IEC EN 60950-1:2006

CE Marking

### Housing

**LxWxH** 80mm x 80mm x 20mm

**Weight** 85 gram

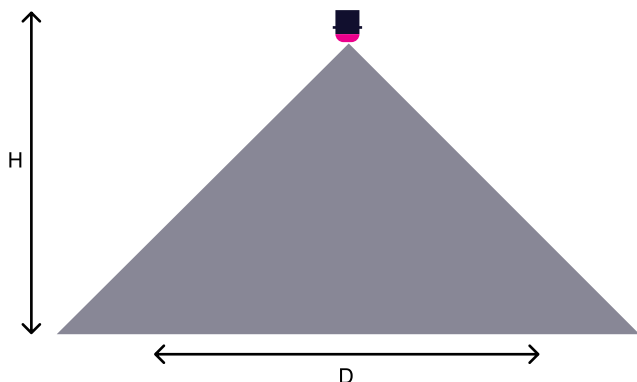
**Material** Plastic

**Colour** White

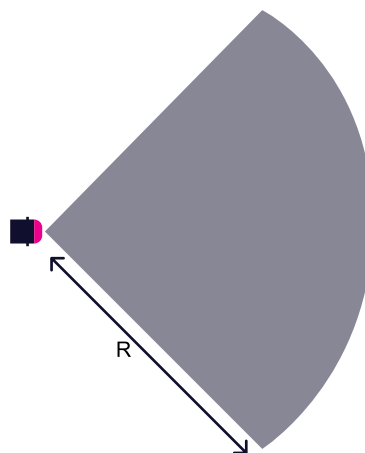
## Sensor information

### Installation

Situation	Mounting Scenario	Max. Instal. Height (H)	Max Reach. Diameter (D)	Detection Radius (R)
Ceiling	Sitting at a workspace height of 80cm	4.5 - 5m	7 - 8m	
Ceiling	Walking below the detector	5 - 6m	8 - 10m	
Wall	Walking across the detector	n/a	n/a	10 - 12m
Wall	Walking towards the detector	n/a	n/a	4m



Picture 1: Ceiling mounting, vertical cone



Picture 2: Wall mounting, horizontal cone