

# Building Light Control Motion Sensor High Bay

## Product Sheet



### Switch or dim lighting fixtures based on motion

The Mymesh Motion sensor High Bay is a product from the Building Light Control product suite for wireless lighting control. The sensor is a wireless PIR motion detector with a life time battery and can easily be mounted on any ceiling or wall. The Motion Sensor High Bay enables you to control (switch/dim) a group of lighting fixtures equipped with the Building Light Controller based on motion.

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 sensor is fitted with an internal antenna providing enough reach for most indoor office and factory lighting applications.

#### 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. With the Mymesh Commissioning App for iPad the properties for light control behavior can be set for a group of lighting fixtures.

#### 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

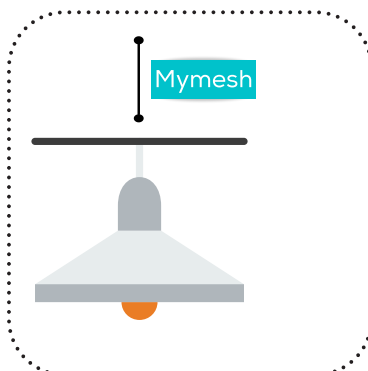
#### Features

- On-the-fly (re) commissioning with a Mymesh BLE Gateway and Mymesh app for iPad
- Connect to third party backoffice/ light management system
- Adjustable delay time for motion detection
- Optional mounting bracket of 45° for optimal mounting in every situation
- Specially designed for high ceiling and corridors.

#### Product codes

BLC.5005.001 BLC Motion Sensor HB  
BLC.5510.001 Mounting Bracket 45°

### A smarter way to connect your building



# Technical specifications

## Environment

Operating temperature -20 °C to +45 °C  
Relative humidity 25% to 90%

## Protection degree

IP54

## Certification

ETSI EN 300 440  
ETSI EN 301 489-01/03  
IEC EN 60950-1:2006  
CE marking

## Radio

2.4GHz ISM band (2.400 – 2.4835 GHz)

## Mounting

Surface mounting, no wiring  
Same format as traditional wall mount

## Power supply

Non replaceable and rechargeable battery  
Estimated battery life 10 years  
under normal conditions 20-25°C

## Notifications

Red LED for identification during commissioning

## Motion detection

Type: Passive Infrared (PIR) with domed  
multilens  
Range: horizontal 360°, vertical 69°

## Housing

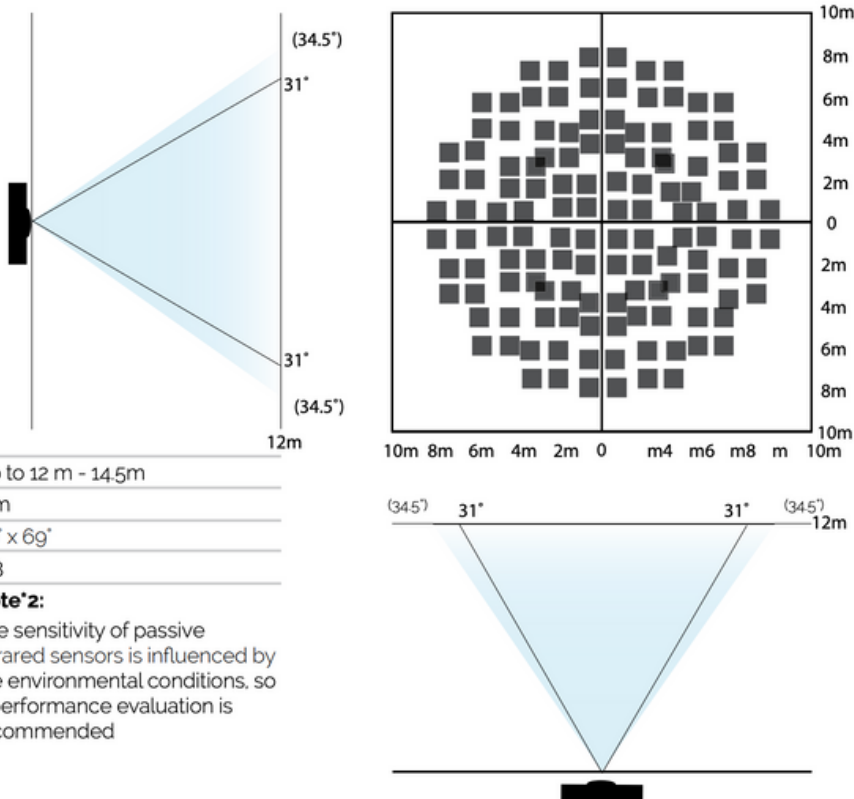
LxWxH: 80 x 80 x 20 mm  
Material: Plastic  
Weight: 85 gram  
Color: White

## Recommended installation height of 12 metres

### Typical applications

- Warehouses
- Industrial buildings
- Entrance halls
- Retail shops

### Detection area: X-Y Cross section at 12m



<b>Specified detection distance ( Note*1)</b>	Up to 12 m - 14.5m
<b>Typical ceiling installation height ( Note*2)</b>	12m
<b>Field of view</b>	69° x 69°
<b>Detection zones</b>	128
<b>Note*1:</b> ▲ T > 4°C Object speed: 1m/s Object size: 700x 250mm Crossing 2 detection zones	<b>Note*2:</b> The sensitivity of passive infrared sensors is influenced by the environmental conditions, so a performance evaluation is recommended