



Motion Sensor High Bay

Master your environment

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

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

Device information

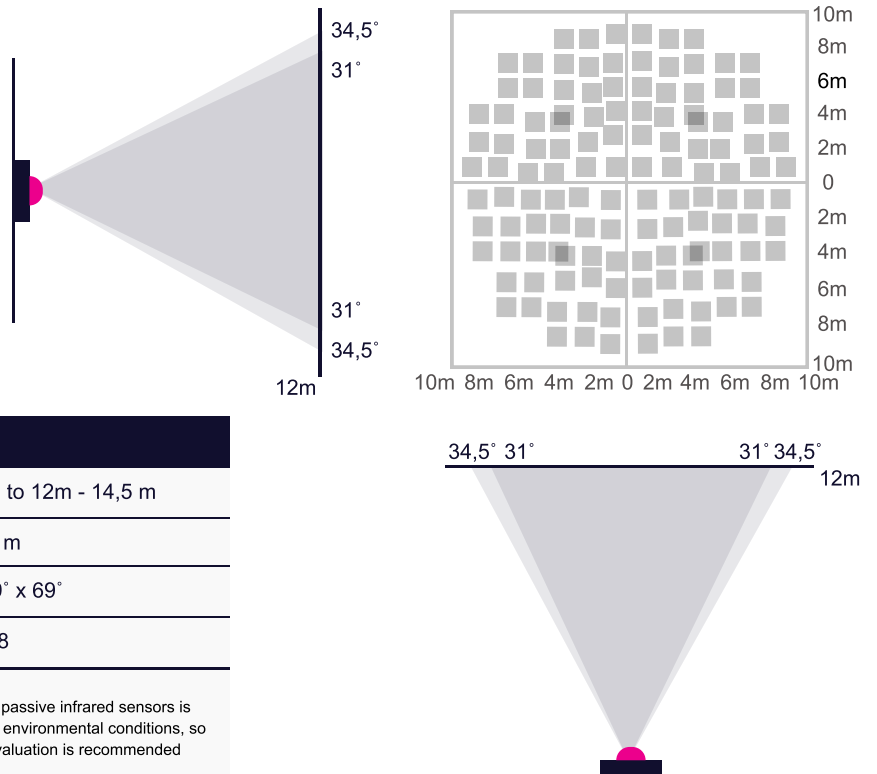
Connections		Environment	
Power Supply	Non replaceable and rechargeable battery	Operating Temp.	-20 °C to +45 °C
Battery Life	10 years, under normal conditions (20-25 °C).	Relative Humidity	25% to 90%
Protection Degree		Certification	
BLC Motion Sensor HB	IP54	ETSI EN 300 440	
		ETSI EN 301 489-01/03	
		IEC EN 60950-1:2006	
		CE Marking	
Motion detection		Housing	
Type:	Passive infrared (PIR) with domed multilens	LxWxH	80mm x 80mm x 20mm
Range	horizontal 360° , vertical 69°	Weight	85 gram
Mounting		Material	Plastic
Surface Mounting	No Wiring	Colour	White
Same format as traditional wall mount		Order information	
Radio		BLC Motion Sensor HB	BLC.5005.001
Band	2.4GHz ISM band (2.400 – 2.4835 GHz)	Mounting bracket 45°	BLC.5510.001
Notification			
Notifications	Red LED for identification during commissioning		

Sensor information

Detection area: X-Y Cross section at 12m

Typical applications

- Warehouses
- Industrial buildings
- Entrance halls
- Retail shops



Installation and sensor properties

Specified detection distance (note 1)	Up to 12m - 14,5 m
Typical ceiling installation height (note 2)	12 m
Field of view	69° x 69°
Detection zones	128

Note 1:
 ▲ T > 4°C
 Object speed: 1m/s
 Object size: 700 x 250 mm
 Crossing 2 detection zones

Note 2:
 The sensitivity of passive infrared sensors is influenced by the environmental conditions, so a performance evaluation is recommended