

# Bluetooth Microwave Fixture Sensor

## SPECIFICATION

The Sharkward Bluetooth Fixture Sensor is designed for indoor applications. Integrated sensors capture data that is both processed locally and transmitted over the Sharkward network, enabling a full suite of applications. In addition, the sensor supports Bluetooth® Low Energy communication with tags and other BLE devices.



## OVERVIEW

The Bluetooth Fixture Sensor is a complete sensing and lighting control node powered from its attached light fixture. Sensor information combined with a configurable behavior profile makes the fixture Sensor an integral component of an intelligent lighting control and sensing solution. With integrated wireless communications for data transmission and remote configuration as well as autonomous fixture-level control, this sensor brings advanced lighting automation to a whole new level.

## FEATURES AND BENEFITS

**Sharkward Fixture Sensor DLC:** Meet DLC 5.1 Networked Lighting Control System.

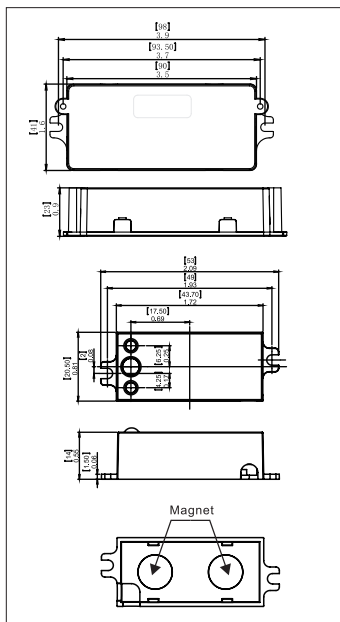
**Localized Lighting Control:** Light-level schedules, preferences, and profiles for each fixture are wirelessly communicated at system setup and stored for continuous operation.

**Bluetooth Low Energy:** An embedded BLE radio allows the sensor to receive and transmit beacons as well as support communication with lighting control devices and other sensors.

**Occupancy/Vacancy/Manual:** A Microwave sensor combined with ambient with 3 difference modes as options.

**Daylight Harvesting:** Captured ambient light information is locally processed to raise and lower light levels based on available daylight.

**Room and Zone Control:** Pairs with room switches for code-compliant manual-on or auto-off capability. Sensors can be grouped into zones that share occupancy sensing data and coordinate light control based on detected motion.

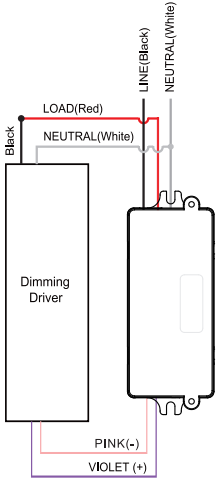


## TECHNICAL DATA

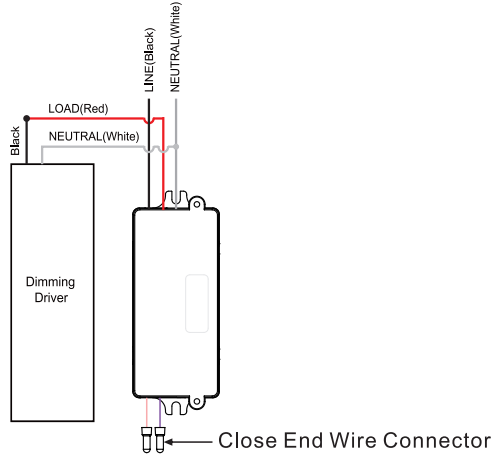
Motion Sensor	Microwave sensor
Input Power	120/277VAC 50/60Hz
Maximum load @ -40°F ~ +158°F (-40°C ~ +70°C)	Resistive/Tungsten - 600W@120V Electronic Ballast (LED) - 800VA@120V/1200VA@277V
Control Output	0-10V,max 25mA sinking current
HF System	5.8GHz±75MHz
Transmission power	<0.2mW
Mounting height	20ft(6m) Max.
Detection angle	360°
Operating temperature	-40°F ~ +158°F (-40°C ~ +70°C)
Wireless Standards	5.0 Bluetooth Mesh

## WIRING DIAGRAMS

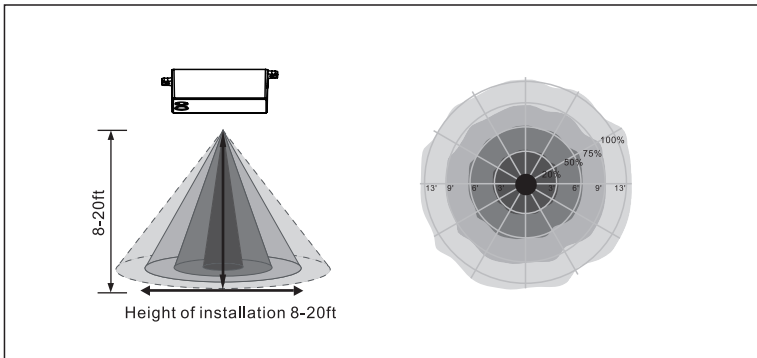
Wiring with dimming ballast or LED driver.  
Dimming Driver



Wiring with non-dimming ballast or LED driver.  
Non-Dimming Driver



## SENSOR COVERAGE



## ORDERING INFORMATION

BRI810-B-M10-BLE Bluetooth Microwave Fixture Sensor

## COMPLIANCE

Europe



United States



Canada

