



BMS-S301-PIR-ULT-8-BLE-SR-CM is a Dual-technology ceiling mounted occupancy sensor, which uses both PIR and ultrasonic detection methods to provide improved performance in areas where a PIR sensor alone will not suffice. It utilizes a Bluetooth® Low Energy (BLE) mesh network. This device communicates wirelessly via Bluetooth Mesh technology allowing for wireless control of luminaires.

### CONSTRUCTION

- BMS-S301-PIR-ULT-8-BLE-SR-CM connects to a Bluetooth mesh network and is accessed via APP or web Portal for initial design, setup and commissioning, as well as subsequent parameter adjustments.
- Constructed of white polycarbonate

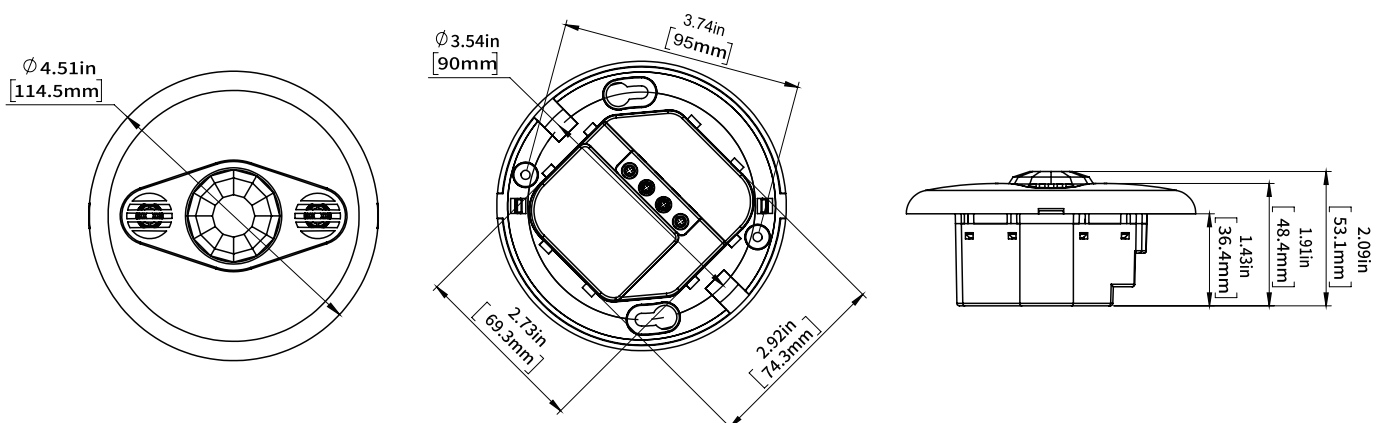
### INSTALLATION

- Ceiling Mounted. Mounting options: 4 square junction box with double gang mudring; 4 inch octagonal junction box.
- PIR Sensor Range: 1900ft<sup>2</sup>(180m<sup>2</sup>)
- Ultrasonic Sensor Range: 1600ft<sup>2</sup>(150m<sup>2</sup>)
- PIR detection is 360° coverage pattern and it is best suited for areas with a clear line of sight and good air circulation.
- Operating temperature range of 32°F to 131°F ( 0°C to 55°C).

### ELECTRICAL

- BMS-S301-PIR-ULT-8-BLE-SR-CM utilizes a Bluetooth® Low Energy (BLE) mesh network.
- 360 degree PIR Motion sensor can be configured as an occupancy or vacancy sensor. Dual Tech improves presence detection avoids false triggers. This device communicates wirelessly via Bluetooth Mesh technology allowing for wireless control of luminaires.
- Max Bluetooth® range is 150'(40m)line of sight and highly dependent on the integration of fixtures and surrounding environment. It is recommended to conduct testing for range accuracy.
- Input Voltage | Load
- 120/230 (single phase)/277/347 VAC, 50/60 Hz
- @120VAC, 800W Ballast/LED/Tungsten
- @230VAC, 1200W Ballast/LED/Tungsten
- @277VAC, 1200W Ballast/LED/Tungsten
- @347VAC, 1500W Ballast/LED/Tungsten
- Ultrasonic frequency: 40kHz

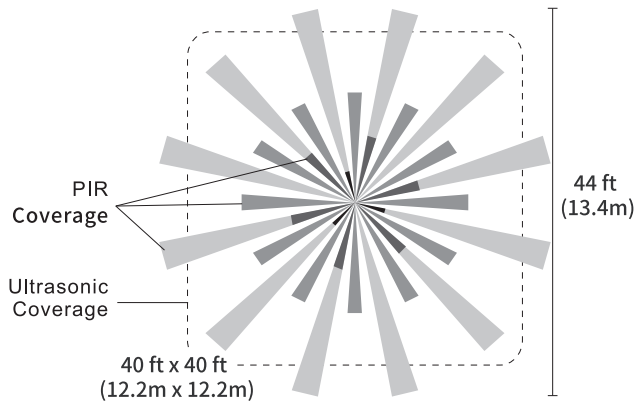
### PHYSICAL DIMENSIONS



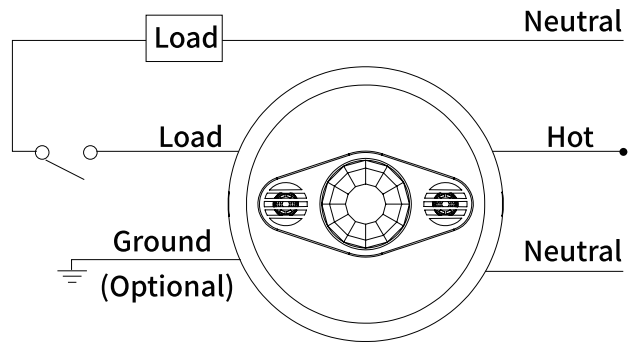
### ORDERING INFORMATION

Model No.	Description	Input Voltage	Mount
BMS-S301-PIR-ULT-8-BLE-SR-CM	Bluetooth Mesh Ceiling Mounted PIR and ultrasonic Sensor	120VAC 230VAC 277VAC 347VAC	Ceiling Mount

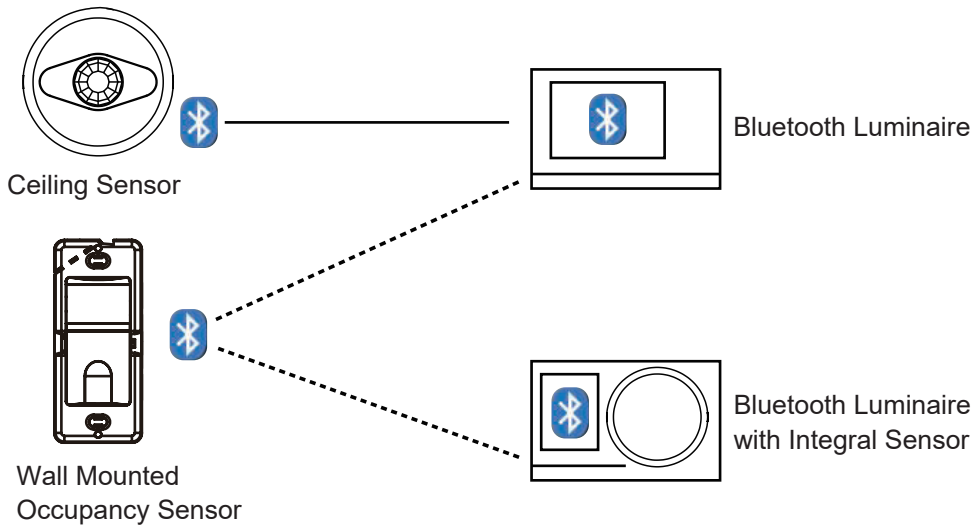
### DETECTION AREA



### WIRING DIAGRAM



### EXAMPLES



### WARRANTY

Five year limited warranty.

Specifications subject to change without notice.