

# Lumina™ RF Occupancy Sensor

## Wireless PIR sensors



### BASIC OPERATION

Introducing the Lumina™ RF Wireless Passive Infrared (PIR) Occupancy Sensor (ZSCxx), part of the Lumina RF solutions line. Lumina RF products ensure energy savings in new construction and retrofits.

The Lumina RF wireless sensor's design overcomes placement and coverage challenges of traditional sensors. The robust and reliable, battery-powered ZSCxx enables flexible placement allowing sensors to be mounted wherever needed without the complexity of moving or installing new wiring.

The ZSCxx is compatible with other 2.4 GHz Lumina RF products allowing facilities to create scalable wireless energy management systems. Connect other Lumina RF devices and add the OmniTouch 7 touchscreen interface for seamless centralized control, scheduling and remote access.

The Lumina RF wireless sensors use innovative sensing technology, a 4-element PIR located directly behind a unique multi-zone optical lens. This combination establishes twice as many zones of detection as traditional sensors. The zones can be configured (masked) to block out unwanted traffic zones (i.e. outside hallway traffic).



### FEATURES

- **Zero external power required** — with no power wire limitations, the installer can place the sensor in the optimal location of any application to capture minor motion and reduce false OFFs
- **Coordinator feature** - self-healing wire mesh feature has no hardwired backbone for and connects all products together for more robust and reliable system
- **True wireless** — robust and reliable sensors communicate with all Lumina RF transceivers via radio frequency
- **No additional wiring** — battery-powered wireless technology eliminates the need to pull additional wire, making installation quick and easy and increasing labor savings with little to no impact to business during conversion
- **Walk Test mode** — 3 minutes with auto exit programming
- **LED flexibility** — enable and disable LEDs for applications where brightness is a factor (i.e. hospitality)
- **Easy mounting** — easily mount to ceiling or surface using a ceiling tile stem, surface mount screws or double sided tape
- **Advanced field-of-view** — superior detection for parallel and perpendicular motion; innovative technology detects motion moving directly toward the sensor; 360° rotation to fine-tune field-of-view
- **Complies with IEEE 802.15.4 standards** — for domestic and international wireless networks

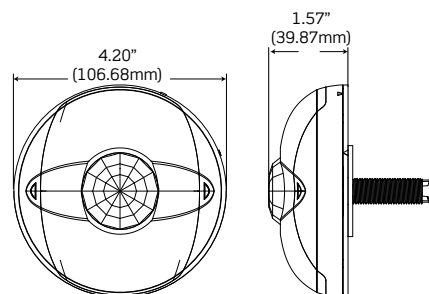
### APPLICATIONS

- Retrofits
- New construction
- Restrooms
- Conference rooms
- Transceiver: 2-way communication with acknowledgement

## PRODUCT DATA

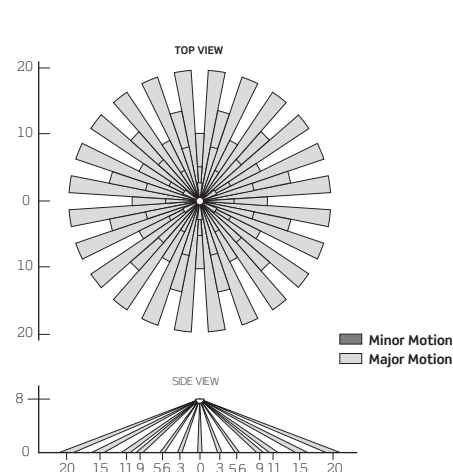


### DIMENSIONS

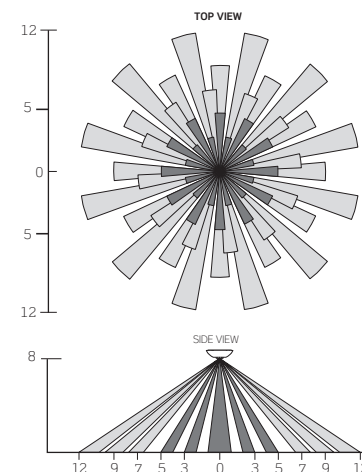


### FIELD-OF-VIEW (IN FEET)

#### ZSC15



#### ZSC04



### SPECIFICATIONS

ENVIRONMENTAL	
Frequency	2.4 GHz
Range	Up to 75' between Lumina RF devices
Transmission Interval	15 seconds
Battery Life	7-10 years
Battery Type	Panasonic CR2450
Operating Temperature Range	32-104°F (0-40°C)
Storage Temperature Range	-4-158°F (-20-70°C)
Relative Humidity	0-95%, non-condensing
Usage	Indoors only
Mounting Height	8-12'
OTHER	
Listings	Complies with IEEE 802.15.4, UL 916 standard for energy management equipment, CA Title 24
Radio Certifications	FCC certified for wireless communication (U.S.), IC Certified (Canada) FCC ID: W7Z-ZICM357SP0 IC: 854A-ZICM357SP0
Warranty	Limited 5-year

### ORDERING INFORMATION

CAT. NO.	DESCRIPTION
ZSC04-lxW*	Lumina RF PIR Occupancy Sensor, 450 sq ft
ZSC15-lxW*	Lumina RF PIR Occupancy Sensor, 1500 sq ft

\*x = Contact factory for (A) ARRA compliant product. NAFTA compliant and Made in USA models available.

Contact Leviton for a complete list of Lumina RF wireless solutions. The line includes wall switch wire-in receivers, transmitter switches, thermostats, room controllers and more.

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