Wireless Ceiling Mount Sensor

Lutron's occupancy and vacancy sensors are wireless ceiling-mounted battery-powered passive infrared (PIR) sensors that automatically control lights via RF communication to compatible dimming or switching devices. These sensors detect the heat from people moving within an area to determine when the space is occupied. The sensors then wirelessly transmit the appropriate commands to the associated dimming or switching devices to turn the lights on or off automatically. They combine both convenience and exceptional energy savings along with ease of installation.

Features

· Wireless occupancy sensor has 3 settings available: Auto-On/Auto-Off, Auto-On Low-Light/Auto-Off, and Manual-On/Auto-Off options
· Auto-On Low-Light feature will only turn lights on automatically if there is less than approximately 1 fc (10 lux) of ambient light
· 10-year battery life design
· Passive infrared motion detection with exclusive Lutron XCT™ Technology for fine motion detection
· 360° coverage ranges from 30 m^2 (324 ft^2) to 62 m^2 (676 ft^2) for superior fine motion detection
· Multiple ceiling-mount methods available for different ceiling materials
· RoHS compliant
· Simple and intuitive adjustments available for Timeout, Auto-On, and Sensitivity settings
· Front accessible test buttons make setup easy
· Lens illuminates during test mode to verify ideal locations
· Up to 3 sensors can be added with each RF dimming or switching device for extended coverage
· Each sensor may be added to up to 10 compatible RF dimming and switching devices for spaces with multiple zones of lighting
· The sensor should be mounted within 9,1 m (30 ft) of the associated dimming and switching receiving devices

Compatible RF Devices:

Communicates to the following wireless Lutron systems:

Rania® Wireless RF Switch

RS-SA05-B-XXX-M

GRAFIK Eye® QS Wireless

Control Unit
QSGRK-

Models Available:

· LRF3-OCRB-P-WH   *868 MHz Occupancy/Vacancy Sensor*

Job Name:	Model Numbers:
Job Number:	

Specifications

Standards

· CE

Environment

· Temperature: 0 ˚C - 40 ˚C (32 ˚F - 104 ˚F)
· For indoor use only

Power

· Operating voltage: 3 V$=$
· Operating current: 20 µA nominal
· Requires one CR 123 lithium battery
· 10-year battery life design
· Non-volatile memory (saved changes are stored during power loss)

Sensor Coverage Test

· Front accessible test button
· Lens illuminates orange in response to motion during test mode and is visible from 9 m (30 ft)

Wireless Communication Test

· Front accessible test buttons
· Turn loads on and off

Timeout Options

· 5 minutes
· 15 minutes *
· 30 minutes

Auto-On Options (Occupancy Version Only)

· "Always" * - Sensor turns lights ON and OFF automatically.
· "Low light" - Sensor turns lights ON automatically only in low ambient light conditions. Sensor turns lights OFF automatically.
· "Disable" - Lights must be turned ON manually from dimming or switching device. Sensor turns lights OFF automatically.

Sensitivity Options

· Low Activity *
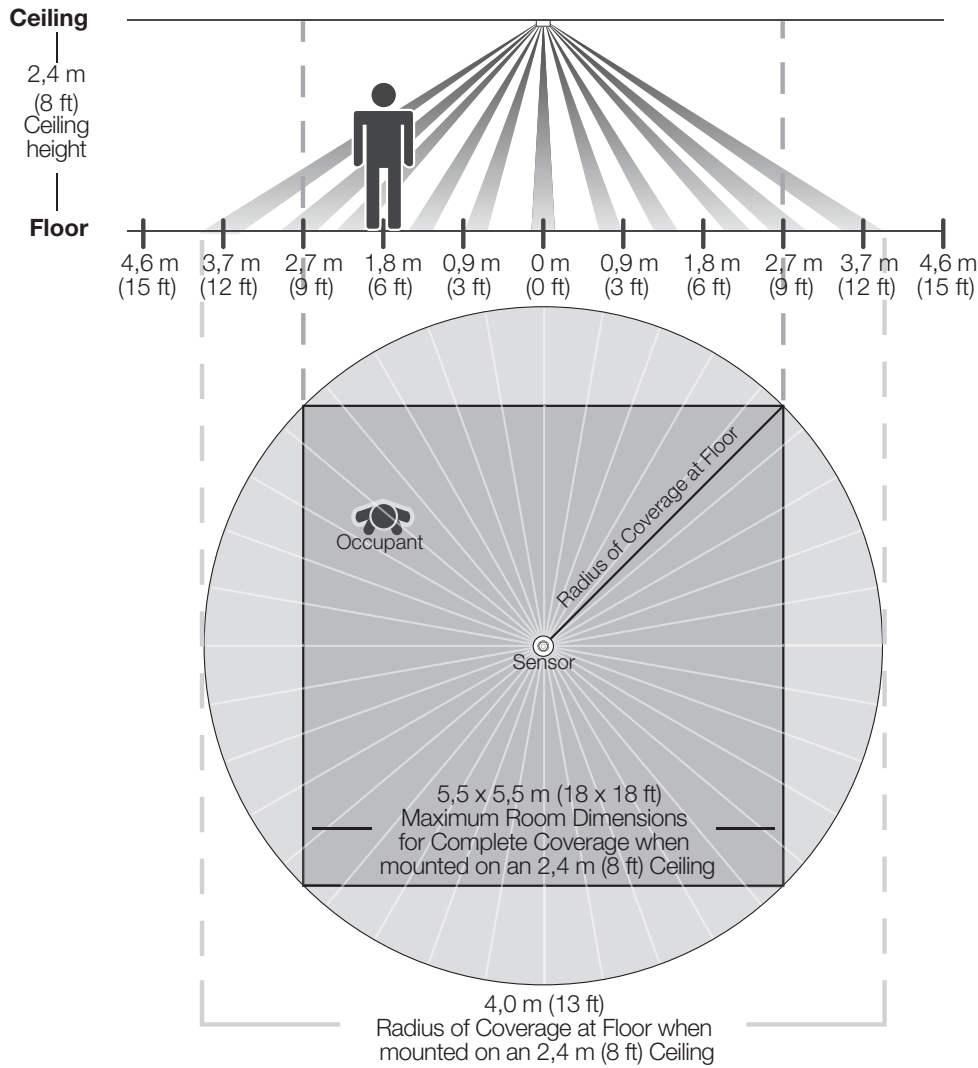· Medium Activity
· High Activity

* default settings

Dimensions
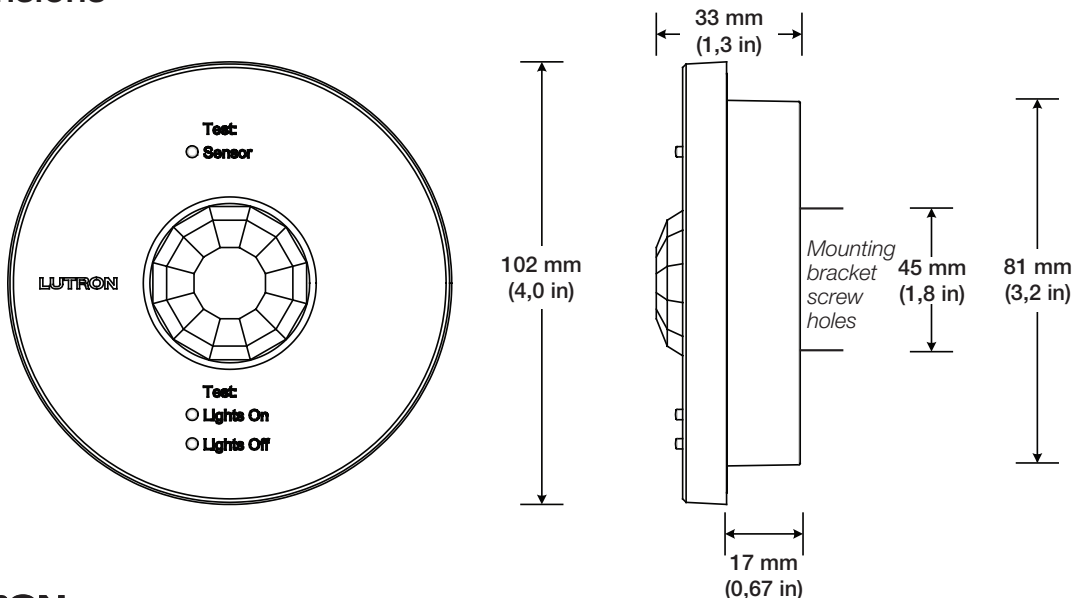
Job Name:	Model Numbers:
Job Number:	

Range Diagrams

Sensor Coverage with an 2,4 m (8 ft) Ceiling

Ceiling										
Floor										
4,6 m (15 ft)	3,7 m (12 ft)	2,7 m (9 ft)	1,8 m (6 ft)	0,9 m (3 ft)	0 m (0 ft)	0,9 m (3 ft)	1,8 m (6 ft)	2,7 m (9 ft)	3,7 m (12 ft)	4,6 m (15 ft)

2,4 m (8 ft) Ceiling height

Occupant

Radius of Coverage at Floor

Sensor

5,5 x 5,5 m (18 x 18 ft)
Maximum Room Dimensions
for Complete Coverage when
mounted on an 2,4 m (8 ft) Ceiling

4,0 m (13 ft)
Radius of Coverage at Floor when
mounted on an 2,4 m (8 ft) Ceiling

Sensor Coverage Chart

Ceiling Height	Max. Room Dimensions for Complete Coverage *	Radius of Coverage at Floor
2,4 m (8 ft)	5,5 x 5,5 m (18 x 18 ft)	4,0 m (13 ft)
2,7 m (9 ft)	6,1 x 6,1 m (20 x 20 ft)	4,4 m (14,5 ft)
3,0 m (10 ft)	6,7 x 6,7 m (22 x 22 ft)	4,9 m (16 ft)
3,7 m (12 ft)	7,9 x 7,9 m (26 x 26 ft)	5,8 m (19 ft)

* Add up to three sensors to one receiving device for maximum coverage.

Job Name:	Model Numbers:
Job Number:	