

18745 BILEVEL SENSOR FOR D10



Thank you for buying RAB lighting fixtures. Our goal is to design the best quality products to get the job done right. We'd like to hear your comments. Call the Marketing Department at 888-RAB-1000 or email: marketing@rabweb.com



IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

FSP-211 is used with a 120-277VAC dimmable driver and is shipped with the Factory Settings (refer to **Specifications** and **Operation** below for details). If settings other than factory pre-sets are desired, the consumer must purchase FSIR-100 (RAB CAT# WSREM) wireless commissioning tool (remote) to re-program sensor settings.

CAUTION: *If replacing lens: For proper weatherproof function gasket must be properly sealed.*

SPECIFICATIONS

Sensor is IP66 rated. Suitable for Wet locations as factory installed.

MAX Load: 800W at 120V, 1200W at 277V

Operating Temperature: -40°C to +75°C (-40°F to +167°F)

Relay Rating: 200,000 cycles

Factory Settings:

- **High Mode:** 10V (100% lumen output)
- **Low Mode:** 1V (10% lumen output)
- **Time Delay:** 5 minutes
- **Cut-off:** 1 hour
- **Setpoint:** 4 fc
- **Sensitivity:** Max
- **Ramp-up Time:** none
- **Fade-down Time:** none

OPERATION (DIMMABLE DRIVER)

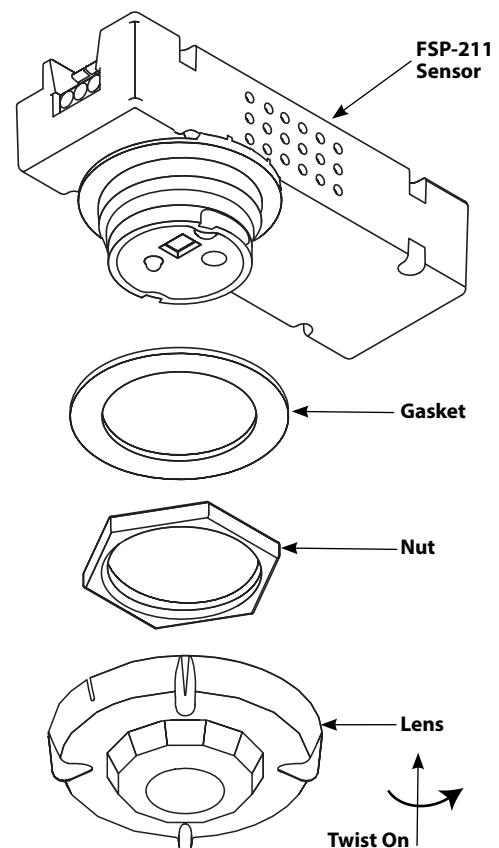
- Ambient light above the **Setpoint** causes sensor to keep fixture light off, despite detected motion
- **High Mode** activates with initial motion detection
- After **High Mode** activation, no motion detection for duration of **Time Delay** activates **Low Mode**
- After **Low Mode** activation, no motion detection for duration of **Cut-off** turns off light fixture

TESTING

Walk Test is used to check and adjust the coverage pattern

Without remote (RAB CAT#WSREM), Factory Settings apply (See **SPECIFICATIONS). With remote, **Test Mode** can be selected from Main Menu with automatically set functions of **Time Delay: 30 seconds** and **Cut-off: 30 seconds**.*

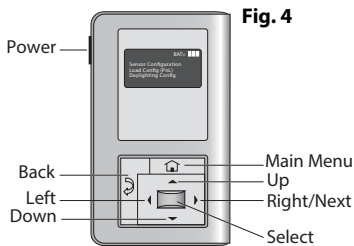
1. Locate the sensor/fixture to approximately cover the desired area
2. Start outside the detection zone and walk across the zone until the fixture lights. As distance from the sensor increases, it will take more movement for the sensor to detect motion. At 10 feet only a half step may produce light, while at 30 feet it may take several steps.



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FSIR-100 (RAB CAT#WSREM) REMOTE



- Follow screen prompts
- When changing sensor settings, be sure to select **SEND** at the bottom right of the screen
- Sensor confirms setting change by blinking on and running through 1 cycle

CUSTOMIZATION

FSIR-100 remote (RAB CAT#WSREM) is necessary to customize settings.

For 24 hour operation: Change Setpoint=DIS (disabled)

Adjustment ranges:

- *Auto* calculates appropriate *Setpoint* based on surrounding light: 2 minute warm-up, blinks on/off 8 times, then turns off until motion is detected
- *High Mode*: 0-10V with 0.2V increments
- *Low Mode*: 0-9.8V with 0.2V increments
- *Time Delay*: 30 seconds, 1-30 minutes
- *Cut-off*: 1-59 minutes, 1-5 hours, DIS (disabled)
- *Setpoint*: 1-250 fc, AUTO, DIS (disabled)
- *Sensitivity*: NONE, LOW, MED, MAX
- *Ramp-up Time*: 1-60 seconds
- *Fade-down Time*: 1-60 seconds

ACCESSORIES

- WSREM remote
- WSLENS-8: 48' diameter coverage from 8' height
- WSLENS-20: 40' diameter coverage from 20' height
- WSLENS-40: 60' diameter coverage from 40' height
- WSLENS-40W: 100' diameter coverage from 40' height

OPERATION (NON-DIMMABLE DRIVER)

- Ambient light above the *Setpoint* causes sensor to keep fixture light off, despite detected motion
- Light turns on with motion detection
- Light turns off with lack of motion after reaching the *Time Delay* period

TROUBLESHOOTING ON FACTORY SETTINGS (WITHOUT REMOTE)

If the sensor does not detect motion as expected:

1. Check fixture mounting and compare fixture location and sensor coverage with the coverage diagrams
2. Check that movement is not directly towards sensor pattern, but across the pattern
 - Adjust fixture location as necessary
3. Check that far away movement directly towards sensor is not entirely within one **Detection Pattern Finger** (see coverage pattern diagrams on the next page)
 - Adjust sensitivity to maximum for best results with far away movement

TROUBLESHOOTING WITH REMOTE

*Adjusting sensor with remote (RAB CAT#WSREM) turns on fixture automatically. Once settings are changed, wait for fixture to turn off according to settings, then perform Walk Test.

1. Check current sensor settings by:
 - Select FSP-211 on main screen after powerup
 - Select **Current Settings** in menu
 - Point remote at sensor, press center button and release
 - Be sure that sensor blinks and fixture lights, confirming connection with remote
 - Current settings will be shown on remote screen
2. Fixture will not light/sensor does not detect motion: Using increments of 1 fc, adjust **Setpoint** to a larger value until fixture lights with motion, and/or raise **Sensitivity**
3. Fixture and sensor are too active: Using increments of 1 fc, adjust **Setpoint** to a lower value until fixture only lights at desired intervals/motions, and/or lower **Sensitivity**
4. Fixture lights at installation and follows expected pattern, but does not turn on with subsequent detected motion: See 2 and 3 above to adjust **Setpoint** or change **Setpoint** to *Auto*

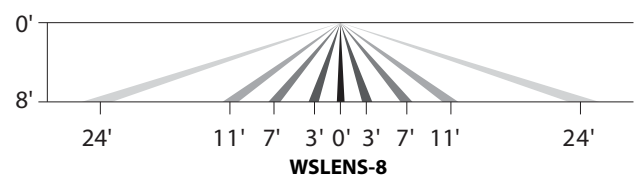
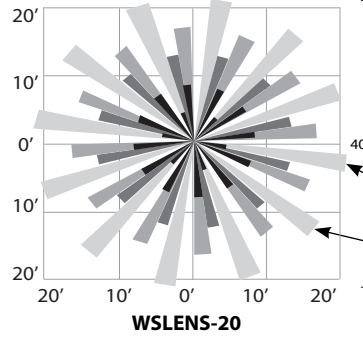
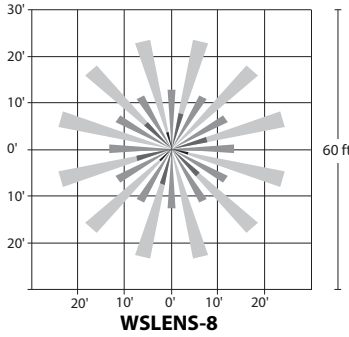
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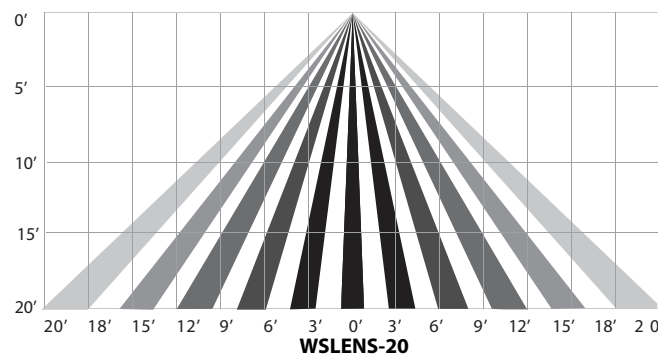
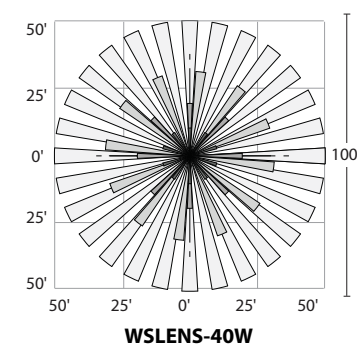
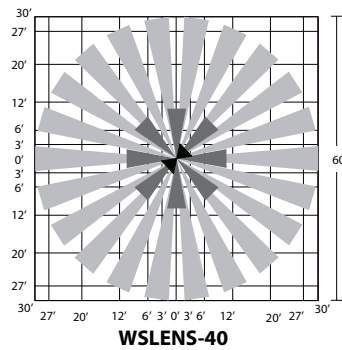
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SENSOR TOP COVERAGE DIAGRAMS

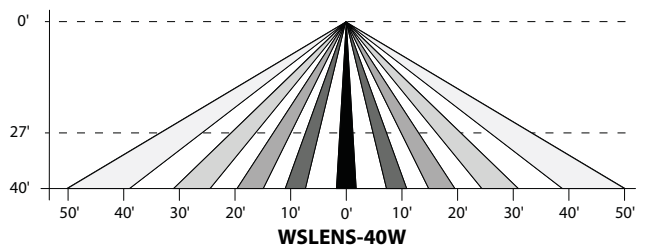
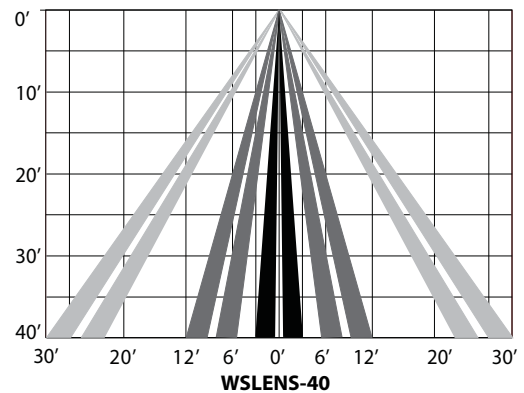
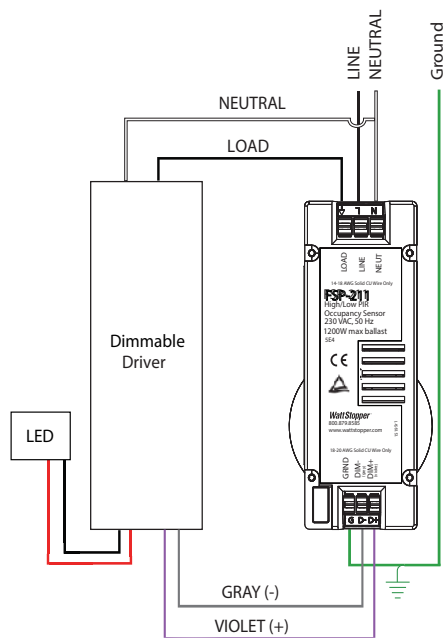
SENSOR SIDE COVERAGE DIAGRAMS



Detection
Pattern
Fingers



DIMMABLE WIRING DIAGRAM



Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation operation or maintenance.



Easy Installation & Product Help

Tech Help Line
Call our experts 888 RAB-1000

rabweb.com
Visit our website for product info

email
Answered promptly sales@rabweb.com