Description

The FSP-211B is an IP66 rated motion sensor that dims lighting from high to low based on movement. Three configurations are available. The FSP-211B mounts inside the fixture and the PIR lens connects to the FSP-211B through a 1.30"diameter hole in the bottom of the fixture. The FSP-211B-S mounts to a fixture/enclosure with a 1/2" knock out, via a nipple on the back. TheFSP-211B-D has a drop mount nipple, for mounting on to a pole, or to a fixture. The sensor uses passive infrared (PIR) sensing technology that reacts to changes in infrared energy (moving body heat) within the coverage area. Once the sensor stops detecting movement and the time delay elapses,lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly "see" motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor's line of sight. The FSP-211B operates single phase at 120V/230V/240V/277V. No power pack is required. It is designed to be installed in indoor and outdoor environments.
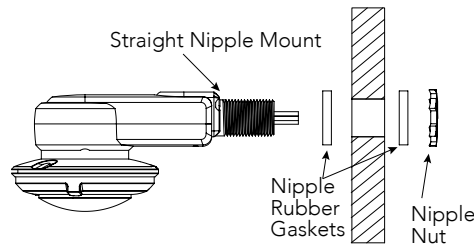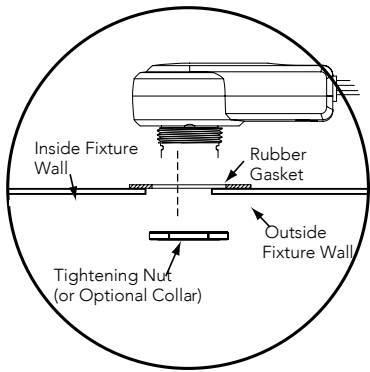
Specifications

- Input voltage: 120/277VAC; 50/60Hz
- Load ratings:
    - -120VAC 0-800W tungsten, ballast, LED driver; 1/6hp motor
    - -230-240V 0-300W ballast, LED driver
    - -277VAC 0-1200W ballast, LED driver; 1/6hp motor
- Relay life rating
    200,000 cycles (120/277VAC)
    50,000 cycles (230VAC)
- High mode: 0-10V; default 10V
- Low mode: Off, 0-9.8V; default 1V
- Time delay: 30 sec., 5-30 min.; default 5 min.
- Cut off delay: none, 1-60 min. 1-5 hrs.; default 1 hr.
- Sensitivity: none, low, med, max; default max
- Setpoint: none, 1-250 fc, auto; default disabled
- Photocell On/Off: 1-250 fc; default disabled
- Ramp up time: none, 1-60 sec.; default none
- Fade down time: none, 1-60 sec.; default none
- Lead length: 30" (76 cm)
- Operating temperature: -40 to 167°F (-40 to 75°C)
- Dimensions:
    Body, no nipple, 4.13"L x 2.32"W x 1.29"H; **-**
    S body 5.5"L x 2.32"W x 1.36"H;
    D body 5.71"L x 2.32"W x 2.79"H
    Collar (all models), 1.3"dia. x 0.64"
- UL and cUL listed (E101196)
- Five year warranty

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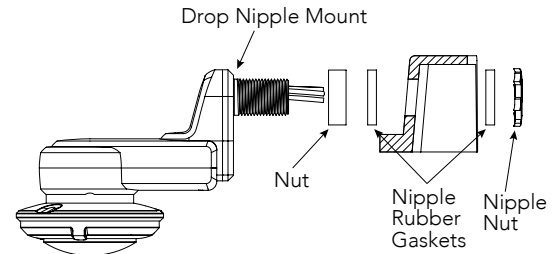
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Features

• Provides line voltage On/Off switching and 0-10VDC dimming control
• Works with ballasts or LED drivers
• High and low modes fully adjustable from 0 to 10V
• Time delay from 5 to 30 minutes
• Optional cut off delay
• Adjustable ramp up and fade down times
• Optional daylighting setpoints feature automatic calibration, or permit manual adjustment
• The FSIR-100 stores six sensor profiles for quick setup and adjustment of multiple sensors
• Polycarbonate construction; flame retardant, UV resistant, impact resistant, recyclable
• UL244A and UL508; IP66 rated (when fully assembled and installed) for use in wet locations
• This product meets the materials restrictions of RoHS

Sensor Mounting Options
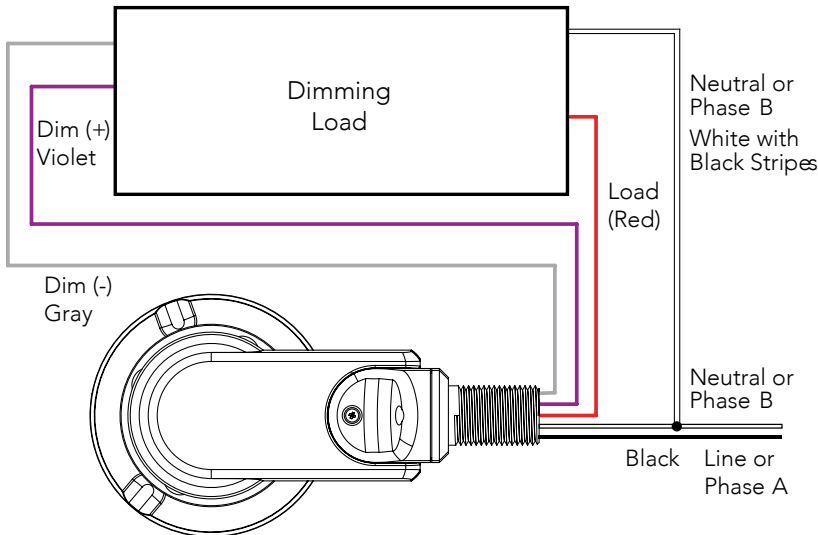

FSP-2x1B-S with lens mounted to enclosure

FSP-2x1B-D with lens mounted to pole

FSP-211B fixture mount model with no nipple or lens

An optional collar can be installed in place of the tightening nut on the FSP-211B. This collar is included with the FSP-211B-S and FSP211B-D
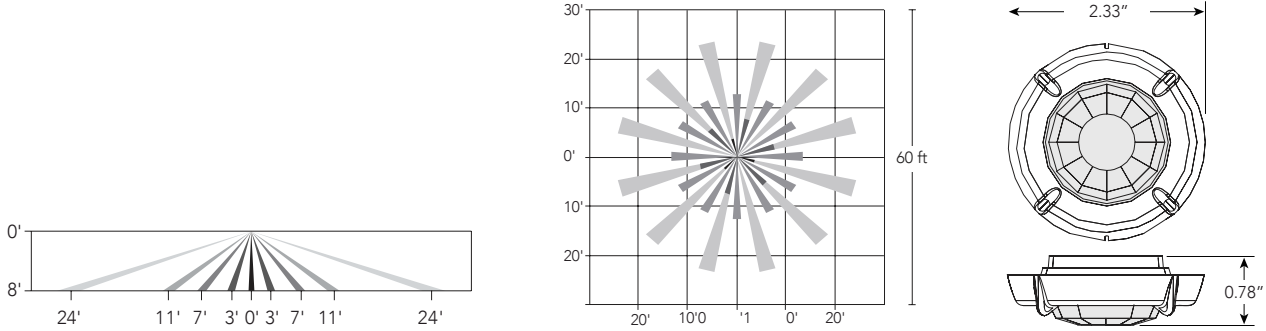
Dimming Wiring

Line voltage FSP-211B-S wiring with dimming ballast or LED driver.

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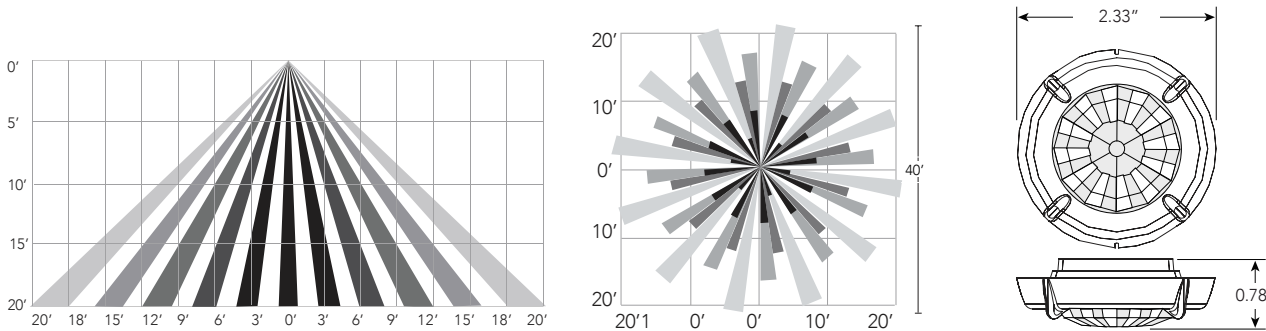
Coverage Pattern & Lens Dimension

The FSP-Lx lenses work with FSP-211 motion sensors to provide multi-level lighting control based on motion and the ambient light level. Three lens choices provide flexibility for varying mounting heights.
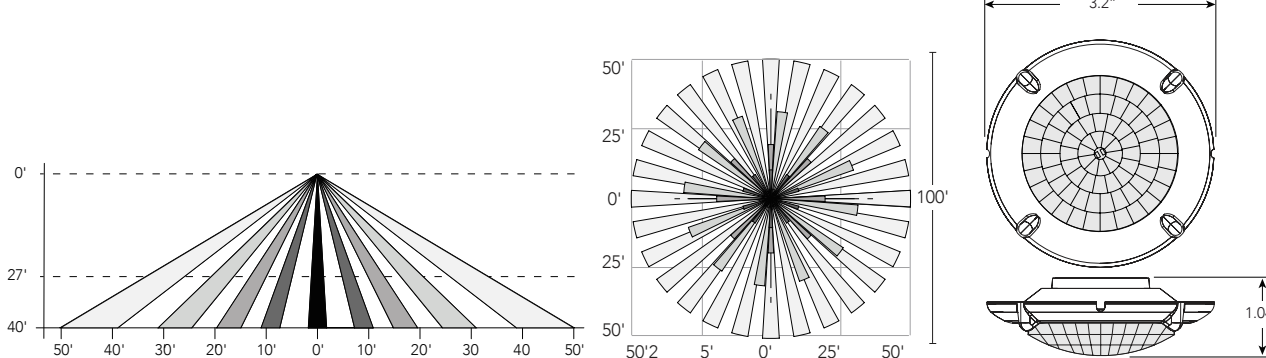
FSP-L2

360° lens, maximum coverage 48' diameter from 8' height

FSP-L3

360° lens, maximum coverage 40' diameter from 20' height

FSP-L7

360° lens, maximum coverage 100' diameter from 40' height

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Project Name	
Catalog #	
Job Type	
Prepared By	
Notes	

Ordering Information

Part #	Description
MSFSP211B	Wattstopper FSP-211B Bi-Level PIR Motion Sensor
FSPL2	Lens Module For FSP-211 48' Diameter From 8' Mounting Height
FSPL3	Lens Module For FSP-211 40' Diameter From 20' Mounting Height
FSPL7	Lens Module For FsSP-211 100' Diameter From 40' Mounting Height
FSIR100	Wattstopper FSIR-100 Wireless Configuration Tool For FSP-211/HBP-111

* Please contact LITELUME for all Custom Option Requests

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