

**PHILIPS**

Outdoor Controls

Programmable  
Motion Response

Luminaire Solutions

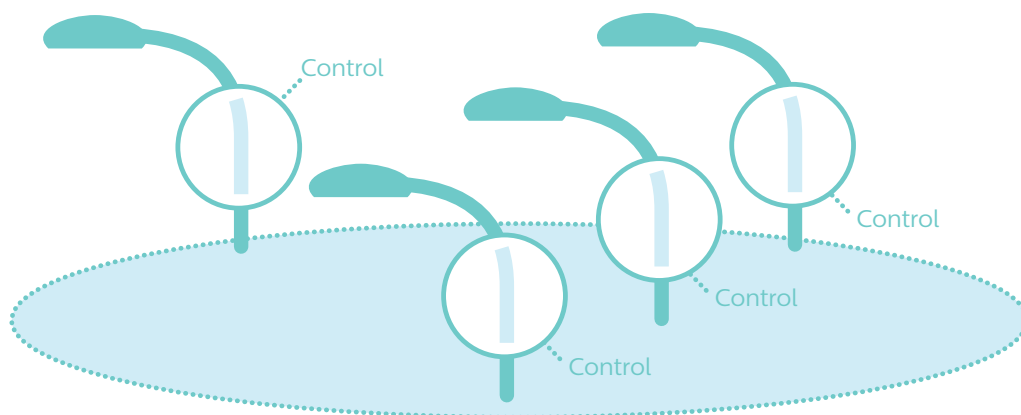


# Your **reactive** stand-alone dimming solution

Achieve significant energy savings during unoccupied periods.



Basic.  
Autonomous.  
Affordable.



Single Site

# Reactive dimming when you want it.



The Philips Programmable Motion Response maximizes your outdoor lighting energy savings while supporting security efforts. Upon easy installation, Programmable Motion Response dims your outdoor LED luminaire to a low light output, increasing to a high light output only when motion is detected and returns to the original low output after a defined time.

Motion-based dimming may prolong the LED luminaire and electrical component lifespans, for significant energy and cost savings during unoccupied periods. Pre-programmed or customized settings control light, duration, and sensitivity levels, as well as daylight sensing for even more energy savings. Settings are easily changed at the luminaire with an optional wireless handheld programmer, and custom factory-based programs are also available.

- Programmable motion response is a fully programmable standalone occupancy based control system
- PIR sensor detects passive infrared movement and daylight to control light levels
- Time delay setting from 30 seconds and 5 min to 30 min in increments of 1 min
- Multiple dimming levels can be set for added design flexibility and savings
- Programmable motion response includes daylight harvesting control for additional savings and control
- Wireless handheld programmer for field commissioning and added design flexibility

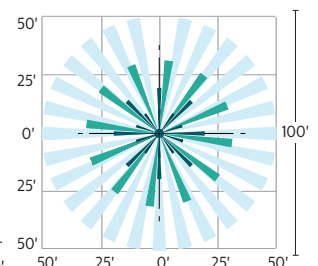
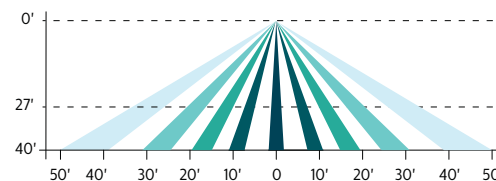
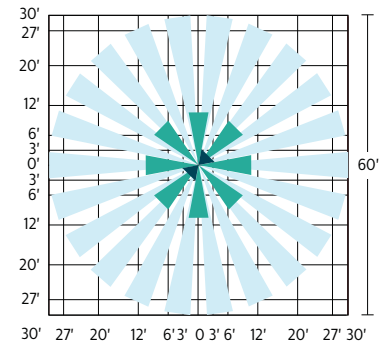
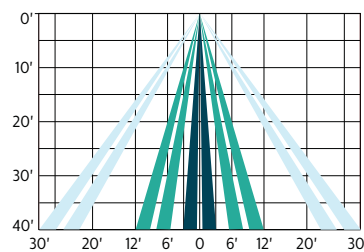
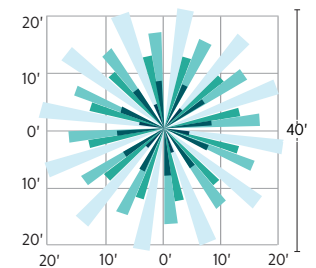
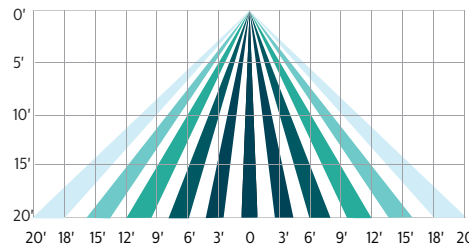
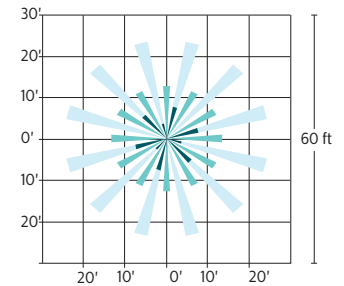
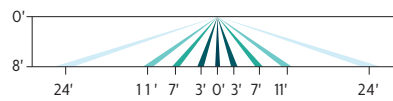
## Description

Luminaires with Prog MR option include a passive infrared (PIR) motion sensor, WattStopper FSP-211 equipped with one of the optical lens available in option, capable of detecting motion at 180° around the luminaire. Motion sensor off state power is 0 watts. The approximate motion sensor coverage pattern is as shown below.

## Function

- **High Mode** - When Prog MR detects motion, the dimming control output ramps up to the factory HIGH light level (factory default is 10V or 100% light output).
- **Low Mode** - After the Prog MR stops detecting motion and the time delay expires, the dimming control output fades down to the factory LOW light level (factory default is 1V or 10% light output).
- **Time Delay** - The time period that must elapse after the last time Prog MR detects motion for the luminaires to dim back to Low Mode (factory default is 10 minutes).
- **Cut Off** - The time period that must elapse after the lights fade to Low Mode and Prog MR detects no motion for the lights to turn OFF (factory default is NONE, fixture will never turn off).
- **Sensitivity** - The response and sensitivity level of Prog MR PIR detector to motion within the sensor's coverage area (factory default is set to MAX).
- **Setpoint (Daylight Harvesting)** - The selectable ambient light level threshold that will hold the luminaires at Low Mode when the Prog MR detects motion (factory default is set to 1 fc).
- **Ramp Up** - Time range for light levels to increase from Low to High Mode when the Prog MR detects motion (factory default is set to NONE, luminaires go to High instantly).
- **Fade Down** - Time range for light levels to decrease from High to Low Mode when the Prog MR no longer detects motion in allotted time (Factory default is set to NONE; luminaires go to Low instantly).

## Motion Response Sensor Coverage Options

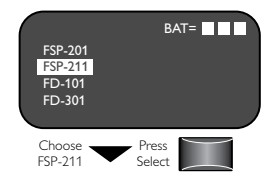


- Programmable Motion Response
- Outdoor Controls
- At a glance



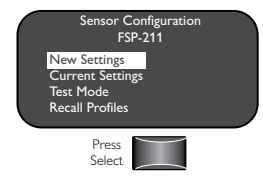
Wireless handheld programming device.

### Step 1: Home Menu



The Home Menu displays after powering up the wireless handheld programming device. Press the up or down buttons to highlight the Prog MR luminaire sensor (The FSP-211) and press the select button to enter the configuration menus.

### Step 2: Choose Configuration Mode



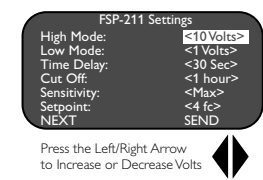
'New Settings' allows you to select your specific custom profile settings and save to a Profile.

'Current Settings' allows you to download a specific fixture's profile to the wireless handheld programming device.

'Test Mode' allows you to shorten timeout settings of a specific fixture for quick verification (cancels after 5 minutes).

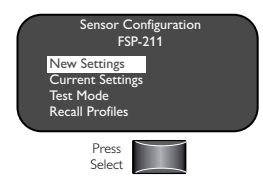
'Recall Profiles' allows you to select any programmed files to upload to your fixture.

### Step 3: Configure Your 8 Setting Levels



Use the scrolling buttons to manually input all eight settings. Select 'NEXT' to access next page of settings. Select 'SAVE' to store your specific settings to 1 of 6 profiles.

### Step 4: Select Profile & Send to Luminaires



Select 'Recall Profiles' and choose your defined and saved profile. Select the 'SEND' option, follow the on screen instructions and press the 'select' button and point the wireless handheld programmer at the luminaires sensor to upload the profile. Repeat as required to each luminaire.

## Instructions

Should you want to commission your installation in the field or modify your existing program currently running and fine tune your level of control, all you need to use is our wireless handheld programmer accessory. Simply follow the menu prompts to change the eight programmable options to create your own specific user profile. Up to six different profiles can be created should you need more than one for your installation(s). The wireless handheld programmer device can then upload the program to the Prog MR occupancy sensor to each luminaire using IR communication. In addition to the luminaire commissioning feature, the wireless handheld programmer can be used to check 'Current Settings' of a specific luminaire or to put a luminaire into 'Test Mode' for quick and easy verification. Basic steps illustrated right.

## Light Output Settings

Voltage	0.0	1.0	2.0	2.8	3.6	4.4	5.0	5.8	6.4	7.2	8.0 - 10.0	
High Mode	10%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	
Voltage	0.0	1.0	2.0	2.8	3.6	4.4	5.0	5.8	6.4	7.2	8.0 - 9.8	Off
Low Mode	10%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	0%

Note: Refer to Wattstopper's FSP-211 installation instructions for further details.

# Diversity

Programmable motion response is offered with a broad range of luminaires that can cover most of outdoor applications, which simplifies control solution for our customers.



Garage



Site & Area



Urban



Floodlights

# Contact us for answers, from inspiration to installation

## Total Lighting Solution

Philips Lighting's one stop, comprehensive solution provides customers with a total 'BEST VALUE' plan. Our plan can be achieved in five strategic steps:



### Identify City's Needs and Requirements

- Project assessment
- Investment grade audit



### Design Solution

- Measurement and verification
- Efficient design
- Advanced technologies
- Cutting edge lighting products
- State-of-the-art control systems



### Turn-key Install Services

- Experienced project management
- Cost and time efficient
- Single point of contact



### Customer Care and Maintenance

- Operational training
- 24/7 customer care
- Responsive maintenance



### Customized and Competitive Financing

- Collaborate to customize a competitive financing plan

## Outdoor control solutions

Philips also offers outdoor lighting control solutions for single luminaires, single sites, multiple sites and cities.



Luminaire solutions



Site solutions



City solutions

**No matter what type of outdoor lighting control you need, we can help you to find the right solution.**

Call 855-486-2216 (US) / 800-668-9008 (Canada) or visit [www.philips.com/luminaires](http://www.philips.com/luminaires) and select Controls Outdoor for more information.



©2015 Koninklijke Philips N.V. All rights reserved. Philips reserves the right to make changes in specifications and/or to discontinue any product at any time without notice or obligation and will not be liable for any consequences resulting from the use of this publication.

PLT-15107BR 08/15 [philips.com/luminaires](http://philips.com/luminaires)

Philips Lighting  
North America Corporation  
200 Franklin Square Drive  
Somerset, NJ 08873  
Tel. 855-486-2216

Imported by: Philips Lighting,  
A division of Philips Electronics Ltd.  
281 Hillmount Rd,  
Markham, ON, Canada L6C 2S3  
Tel. 800-668-9008