



PLT-50427 Spec Sheet and Instruction Manual

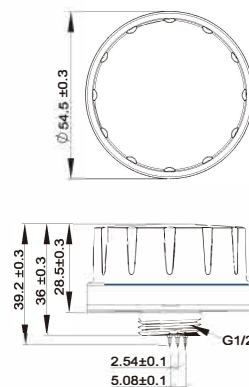
■ Bi-level Microwave Sensor For High Bay Light



PLT-50427



PLT-13137
Sold Separately



INTRODUCTION

The PLT-50427 is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body.

The sensors use microwave sensing technology that reacts to changes in movement 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.

SPECIFICATIONS

Power supply	12V-24V DC, >50mA
Dim control output	0-10V, max. 25mA sinking current
HF System	5.8GHz±75MHz
Transmission power	<0.2mW
Detection radius	20%/50%/75%/100%(1-8m)
Mounting height	Max 40ft.(12meters)
Time setting	10s/1min/5min/10min/15min/20min/30min/60min
Light-control	24H/10LUX/30LUX/50LUX
Temperature	-40°F ~ +158°F (-40°C ~ +70°C)
IP rating	IP65

⚠ WARNING

NOTE: Warm up time is 15 seconds. After the sensor connects to input power for the first time, the light will stay on for 15 seconds, then go to the preset dim level.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 10 min, Stand-by Dimming level: 50%, Stand-by time: 1 minute

NOTE: When a setting is changed using the remote control, the fixture will flash on/off to confirm the setting.

Compatible Fixtures:


- PLT-50416
- PLT-50417
- PLT-50418
- PLT-50419
- PLT-50420
- PLT-50421



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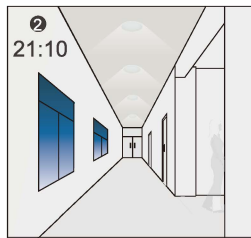
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DAYLIGHT SENSOR FUNCTION

Adjust the daylight sensor setting by pressing the  button on the remote (PLT-13137, sold separately).



The light turns on at 100% when movement is detected.



The light dims to stand-by level after the hold-time elapses.



The light remains in the set stand-by dim level at night.

Settings on this demonstration:

Hold-time: 30min

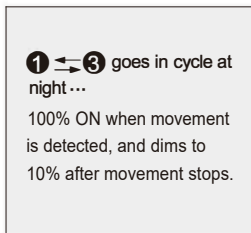
Setpoint on: 50lux

Setpoint off: 300lux

Stand-by Dim: 10%

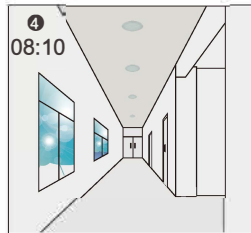
Stand-by period: +∞

(when the smart photocell sensor open, the stand-by time is only +∞)

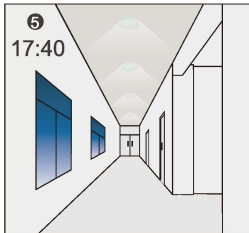


① ↔ ③ goes in cycle at night...

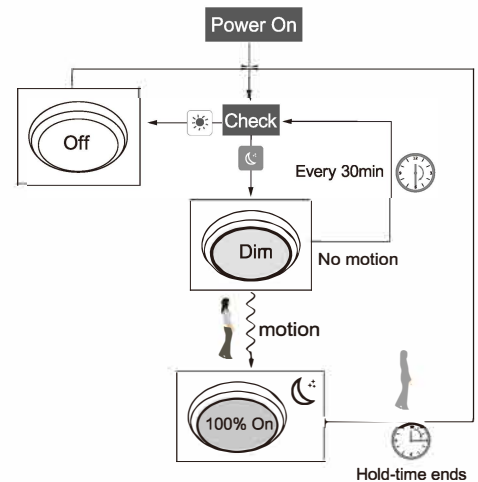
100% ON when movement is detected, and dims to 10% after movement stops.



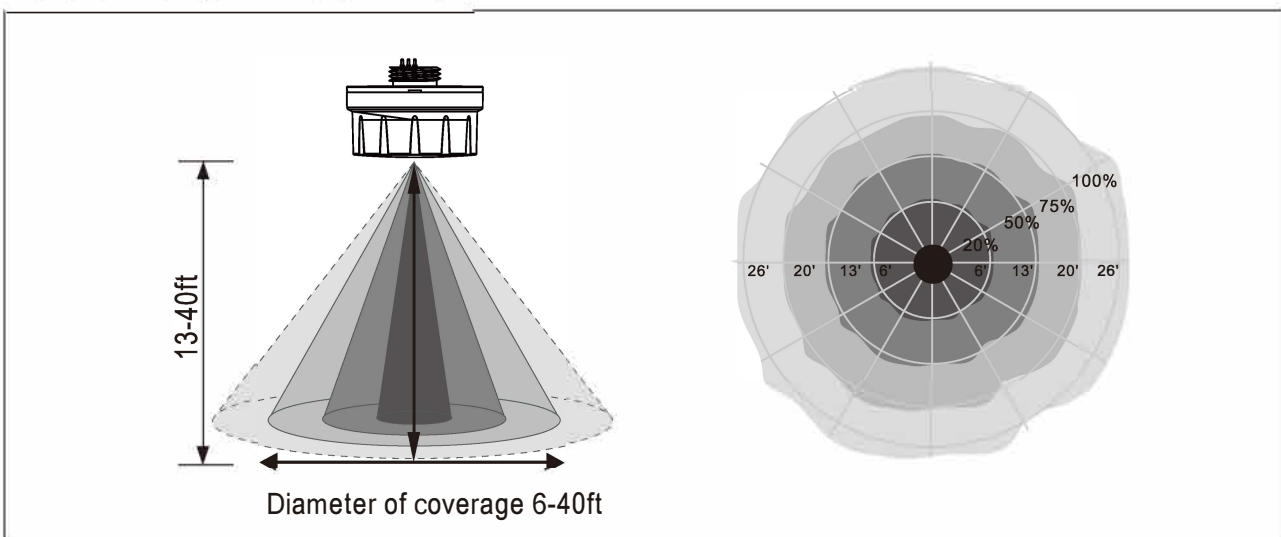
When the natural light level exceeds the set level, the light will turn OFF even if the space is occupied.



The light automatically turns on at 10% when natural light is insufficient (no motion).



SENSOR COVERAGE



PORT DESCRIPTION

