

Plug-in **bi-level PIR** sensor for high bays, with programming remote. It mounts in an outdoor lighting fixture and provides multi-level control based on motion and/or daylight contribution. It controls 0-10 V DC LED drivers or dimming ballasts and is rated for **wet and cold locations**. All control parameters are adjustable with a wireless configuration tool capable of storing them.

SENSOR, REMOTE AND DIMENSIONS



Dimensions in mm: height 55.4 (48.5 · 33.7 · 26.2), Ø 55, G1/2 thread.

SPECIFICATIONS

Power supply	12-24 V DC, > 30 mA
Dim control output	0-10 V, max. 25 mA sinking current
Remote range	50 ft (15 m) indoor, no backlight
Detection radius	20 / 50 / 75 / 100% (1-8 m)
Mounting height	Max. 40 ft (12 m)
Time setting	10 s / 1 / 5 / 10 / 15 / 20 / 30 / 60 min
Light control	24 h / 10 / 30 / 50 lux
Temperature	-4 °F to +140 °F (-20 °C to +60 °C)
IP rating	IP65

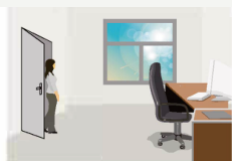
⚠ WARNING

- **Warm-up time: 40 seconds.** When the sensor is powered for the first time, the light stays on for 40 seconds, then goes to dimming and works normally.
- **Factory default settings:** 100% sensitivity, hold time 5 min, daylight sensor off, dimming level 30%, dimming time 60 minutes.
- For any setting changed with the remote control, the LED light connected to the sensor turns off and on to confirm.

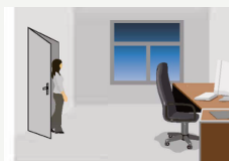
CORRIDOR FUNCTION

This sensor function provides **tri-level** control, for areas that require a light change notice before switch-off. The sensor offers 3 light levels: 100% → dimmed light (natural light insufficient) → off; and 2 selectable waiting periods: motion hold time and stand-by period. Selectable daylight threshold and freely selectable detection area.

- 1 With sufficient natural light, the light does not switch on when presence is detected.



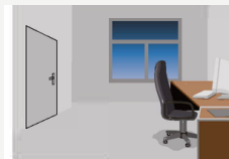
- 2 With insufficient natural light, the sensor switches the light on automatically when presence is detected.



- 3 After the hold time, the light dims to the stand-by level if the surrounding natural light is below the daylight threshold.



- 4 The light switches off automatically after the stand-by period elapses.

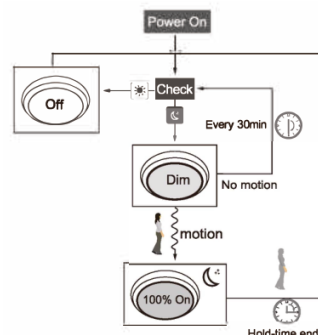


DAYLIGHT SENSOR FUNCTION

Turn on the daylight sensor with its button on the remote control, when the remote is in setting mode.

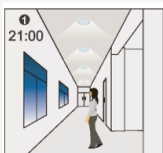
Settings in the demonstration below: hold time 30 min · setpoint on 50 lux · setpoint off 300 lux · stand-by dim 10% · stand-by period +∞ (when the smart photocell sensor is on, the stand-by time is only +∞).

OPERATING LOGIC



Power On · Check: daylight check, every 30 min · Off · Dim · No motion · motion · 100% On · Hold-time ends.

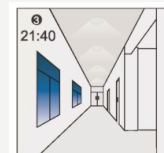
- 21:00 — the light switches on at 100% when movement is detected.



- 21:10 — the light dims to the stand-by level after the hold time.



- 21:40 — the light remains at the dimming level at night.



- 08:10 — when the natural light level exceeds the off setpoint, the light turns off even if the space is occupied.

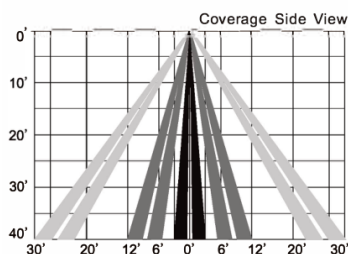


- 17:40 — the light automatically turns on at 10% when natural light is insufficient (no motion).

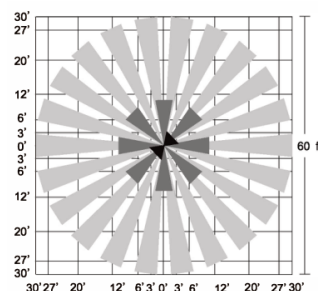


- Steps 1 to 3 repeat in a cycle at night: 100% on when movement is detected, dims to 10% in long absence.

SENSOR COVERAGE



Coverage side view (height 0 to 40 ft, width ±30 ft).



Top view: 60 ft coverage.