

Project	
Date	
Prepared By	
Order #	11778

Specifications

PRODUCT DETAILS

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 50ft (15 meters)

Time Setting: 10s/1min/

5min/10min/15min/20min
/30min/60min

Light-Control:

24H/10LUX/30LU/50LUX

Temperature:

-20°C(-4°F) - 60°C(140°F)

AGENCY APPROVALS

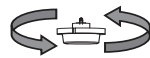
IP65 Rated: Yes

Microwave Sensor

12V DC Microwave Motion Sensor



Microwave Sensor



ORDER CODE:

11778

For use with EarthTronics LED fixtures below:

HBU240WSCCTB1 (11777) UFO Highbay
HBU150WSCCTB1 (11776) UFO Highbay

PRODUCT DESCRIPTION

The 11778 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 react to changes in movement within the coverage area. Once the sensors 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.

WARNINGS

- + Warm up time is 15 seconds. After the sensor connects input power first time, the light will keep on 15 seconds, then go to dimming to work normally.
- + Factory Default Setting: 100% sensitivity. Hold on time: 5 min, Daylight sensor is ⚙️, Dimming level: 30%, Dimming time: 60 minutes.
- + Any setting changed by remote control, the led light the sensor connect will on/off as confirm.

CORRIDOR FUNCTION

This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%—>dimmed light (natural light is insufficient)—>off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



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



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



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

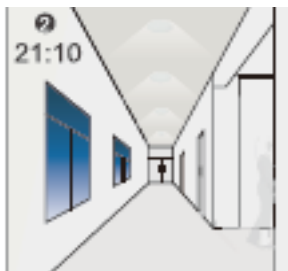


Light switches off automatically after the stand-by period elapses.

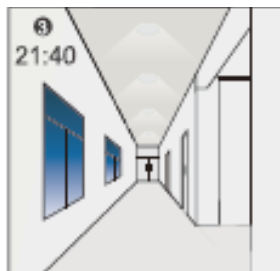
DAYLIGHT SENSOR FUNCTION



The light switches on at 100% when there is movement detected.



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



The light remains in dimming level at night.

Settings on this demonstration:

Hold-time: 30min

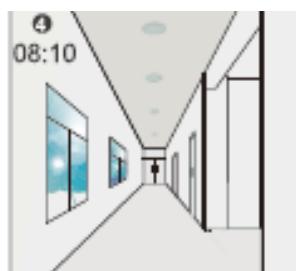
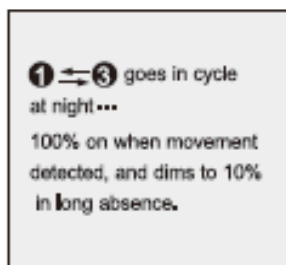
Setpoint on: 50lux

Setoint offL 300lux

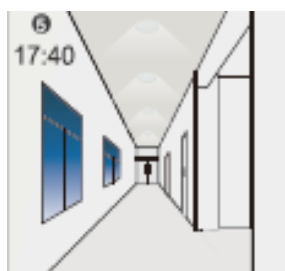
Stand-by DimL 10%

Stand-by period: $+\infty$

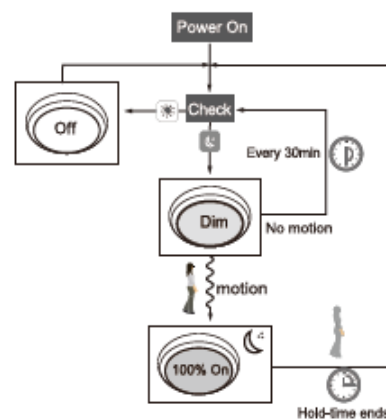
(When the smart photocellsensor open, the stand-by time is only $+\infty$)



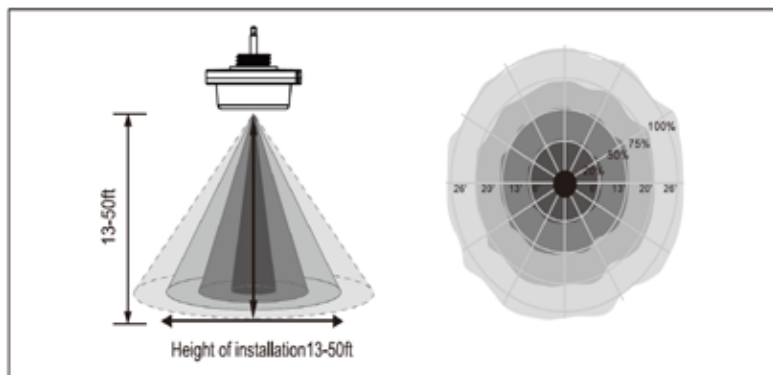
When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



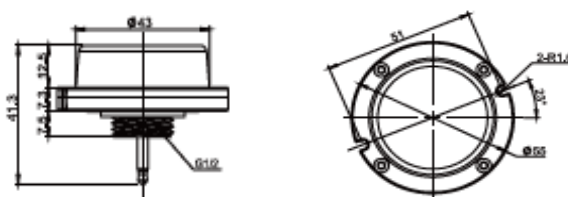
The light automatically turns on at 10% when natural light is insufficient (no motion).



SENSOR COVERAGE



SENSOR DIAGRAM



*Remote Sensor Available
Order Code: 11779

Note: One remote control (11779) for multiple microwave sensors.