

QI | BI-LEVEL MICROWAVE SENSOR
 PLUG-IN MOUNTS INTO LUMINAIRE
 DC OCCUPANCY

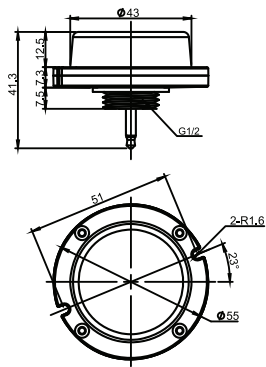
KEY FEATURES

ETi SSL's Bi-level Microwave Sensor is a motion sensor that dims lighting from high to low based on movement. 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.



Factory Sensor settings can be changed w/ (BCB-RCOP) handheld remote programmer accessory. (order separately)

DIMENSIONS



DATE:	PROJECT:
TYPE:	NOTES:
CATALOG #:	



SPECIFICATIONS

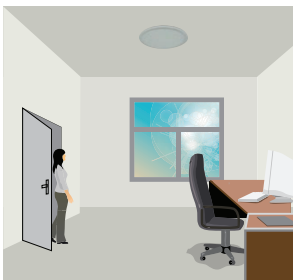
Power supply	12V-24V DC, >50mA
Dim control output	0-10V, max. 25mA sinking current
HF System	5.8GHz±75MHz
Transmission power	<0.2mW
Detection radius	20%/50%/75%/100% (1-8m)
Mounting height	Max 40ft. (12meters)
Time setting	1 0s/1 min/5min/10min/15min/20min/30min/60min
Light control	24H/1 0LUX/30LUX/50LUX
Temperature	-40°F to 158°F / -40°C to 70°C
IP rating	IP65
Catalog Part Number	Order Number
QI-MW-OCC	70211101

WARNING

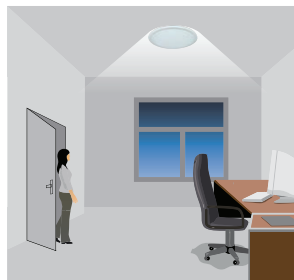
- NOTE:** Warm up time is 15 seconds after initial power is applied. The LED light will stay on for 15 seconds and go to normal mode.
- NOTE:** Factory Default Setting: 100% sensitivity, Hold on time: 5 min., Daylight sensor is ☀️, Dimming level: 30%, Dimming time: 60 minutes
- NOTE:** When sensor settings are uploaded from the remote, the LED light will turn on then off to confirm upload is completed.

Corridor Function

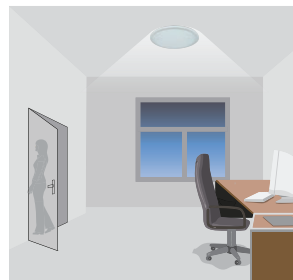
This function takes into consideration natural light conditions and motion for optimal performance and reduced energy usage. The sensor offers 3 performance levels: 100% to dimmed light (natural light is insufficient) to off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



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



With insufficient natural light, the light turns on 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

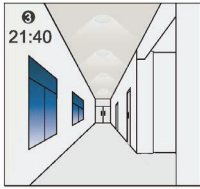
Open the daylight sensor by push **(II)** when remote control is in setting condition.



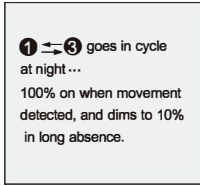
1
21:00
The light switches on at 100% when there is movement detected.



2
21:10
The light dims to stand-by level after the hold-time.



3
21:40
The light remains in dimming level at night.

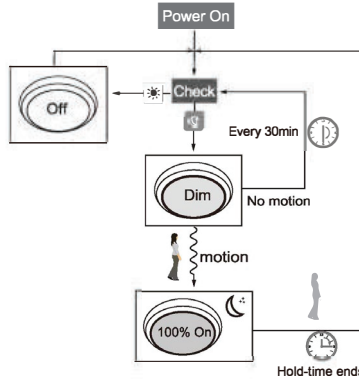


4
08:10
When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.

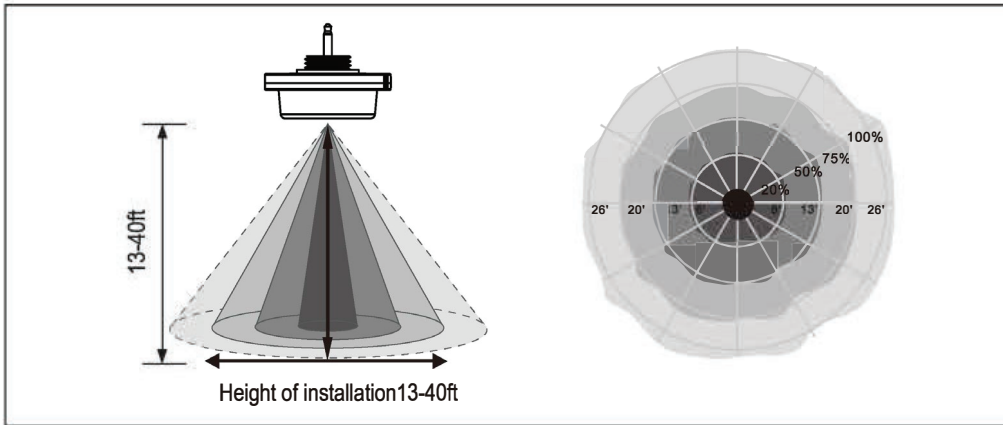


5
17:40
The light automatically turns on at 10% when natural light is insufficient (no motion).

Settings on this demonstration:
 Hold-time: 30min.
 Setpoint to light on: 50 lux (4.6fc)
 Setpoint to light off: 300 lux (28fc)
 Stand-by Dim: 10%
 Stand-by period: + ∞
 (when the smart photocell sensor open, the stand-by time is only + ∞)



SENSOR COVERAGE



Easy Install

This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body. Simply remove 1/2" knockout then twist in the sensor. Sensor is set to Universal Mode. Setting is programmable using the remote control (sold separately).

