LEDone®

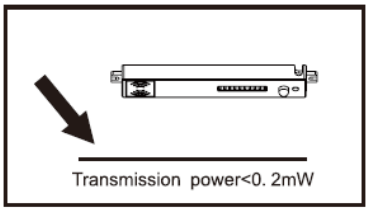
Date: _____ **Location:** _____

Product: _____ **Project:** _____

Quantity: _____ **Catalog #:** _____

LOC-AC-MS-QBL-DH-01

Bi-level Daylight Harvesting Microwave Sensor

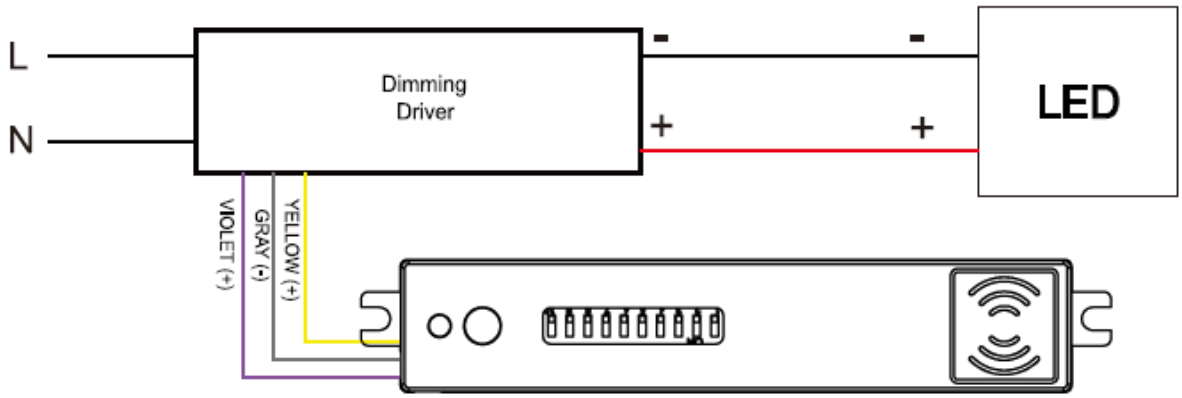


WARNING:

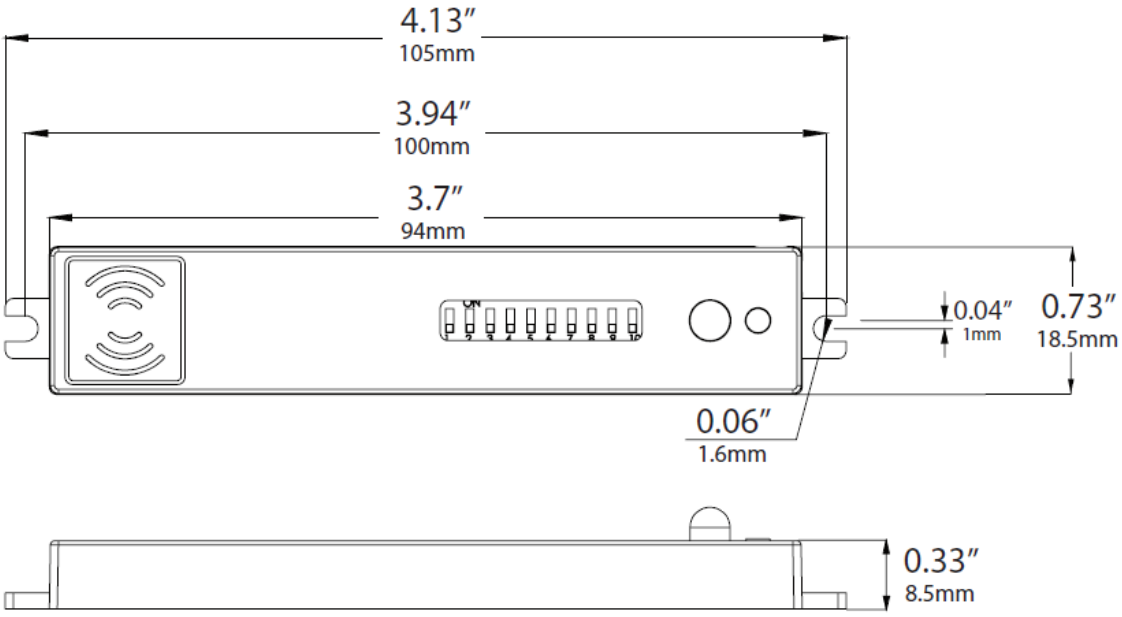
- **NOTE:** Warm up time is 15 seconds. After the sensor connects input power the first time, the light will keep on 15 seconds and then turn to dimming to work normally.
- **NOTE:** Factory Default Setting: 100% sensitivity
  - Hold On Time: 10 seconds
  - Daylight Sensor is 30 lux
  - Dimming Level: 30%
  - Dimming Time: 60 minutes
- **NOTE:** Any setting changed by DIP switch or remote control, the LED light that sensor connect will on/off as confirm.

POWER SUPPLY	12V-24V DC, >50mA
HF SYSTEM	5.8GHz +/- 75MHz
DIM CONTROL OUTPUT	0-10V, maximum 25mA sinking current
DETECTION RADIUS/ANGLE	Max. 17ft (5.2m) / 360°
MOUNTING HEIGHT	Max. 13ft (4m)
REMOTE RANGE	50ft (15m) indoor, no backlight
HUMIDITY	Max. 95% RH
TEMPERATURE	-40°C - 70°C (-40°F - 158°F)

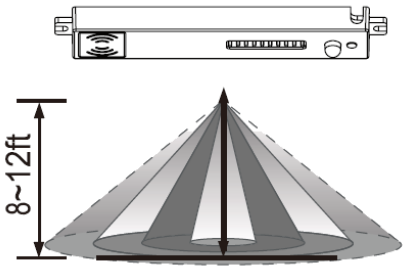
WIRE CONNECTION DIAGRAM



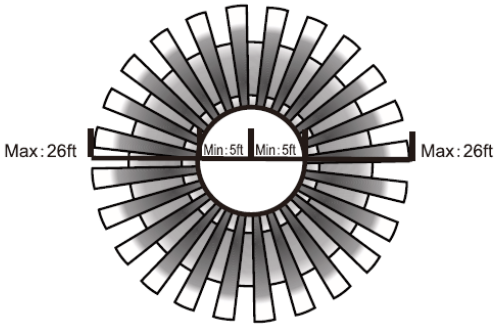
MEASUREMENTS



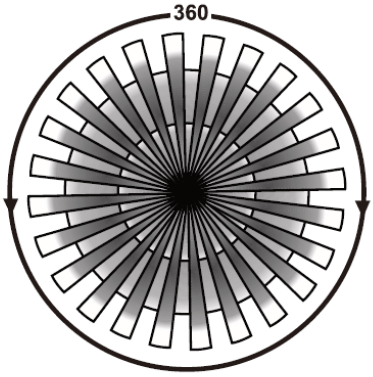
SENSOR COVERAGE



Height of Installation (8-12ft)



Height of Installation (8ft)
Detection Range



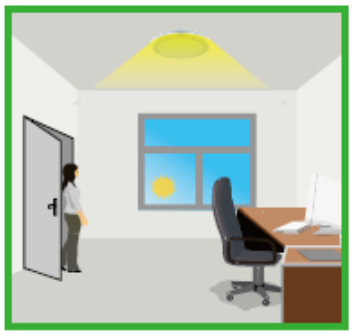
Detection Angle

OPTIONAL COMPATIBLE ACCESSORY

Remote Control
LOC-RC-100

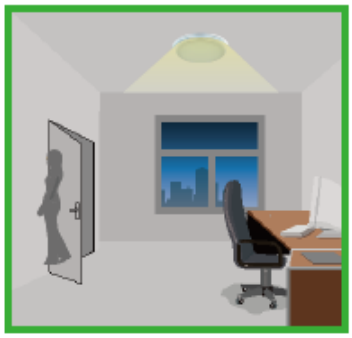
DAYLIGHT HARVESTING FUNCTION (ONLY BY USING RC100 REMOTE CONTROL)

Open the daylight harvesting function only by choosing " 👁 " button when remote control is in setting condition. Memory and maintain current ambient brightness.



When the natural light is sufficient or dark, movement is detected and the light will turn on 100% brightness.

The light turns on at full or dims to maintain the lux level. The light output regulates according to the level of natural light available.



The light dims to stand-by period after hold-time and stays on selected minimum dimming level.

The light switches off completely after the stand-by period.

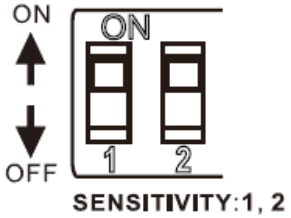
Setting on this demonstration:
BRIGHTNESS:100%
SENSITIVITY:100%
HOLD TIME:30MIN
DAYLIGHT SENSOR: 👁
STAND BY DIM: 30%
STAND BY TIME: 1MIN

PARAMETER SETTING BY DIP SWITCH

Consider the picture: 1, 2 set sensitivity; 3, 4 set hold time; 5, 6 set the lux; 7, 8 stand-by light level 9, 10 set stand-by time ;

Detection Range Setting (sensitivity)

Detection rang can be reduced by selecting the combination on the DIP switches to fit precisely each application:



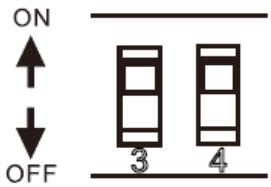
SENSITIVITY:1, 2

SENSITIVITY

1	2	
↓	↓	20%
↓	↑	50%
↑	↓	75%
↑	↑	100%

Hold Time Setting

The lamp can be set to stay ON for any period of time between approx.10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.
Switch location and hold time of the corresponding table is as follows:

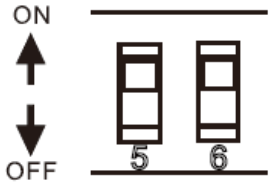


TIME:3, 4

TIME 3	4	
↓	↓	10S
↓	↑	1Min
↑	↓	5Min
↑	↑	15Min

Light-control Setting

The chosen lamp response threshold can be infinitely from approx. 10-50lux, switch location and light-control of the corresponding table is as follows:



LIGHT:5, 6

LIGHT 5	6	
↓	↓	☼ (light sensor disable)
↓	↑	10Lux
↑	↓	30Lux
↑	↑	50Lux

Stand-by Light Level Setting

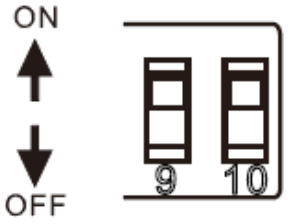
The corresponding file of switch location and stand-by level as follow:

STAND-BY LEVEL:7, 8

STAND-BY LEVEL 7	8	
↓	↓	0%
↓	↑	10%
↑	↓	30%
↑	↑	50%

Stand-by Time Setting

The corresponding file of switch location and stand-by time setting as follow:



STAND-BY TIME:9, 10

STAND-BY TIME 9	10	
↓	↓	+∞
↓	↑	1Min
↑	↓	30Min
↑	↑	60Min