

Date: \_\_\_\_\_ Location: \_\_\_\_\_  
 Product: \_\_\_\_\_ Project: \_\_\_\_\_  
 Quantity: \_\_\_\_\_ Catalog #: \_\_\_\_\_

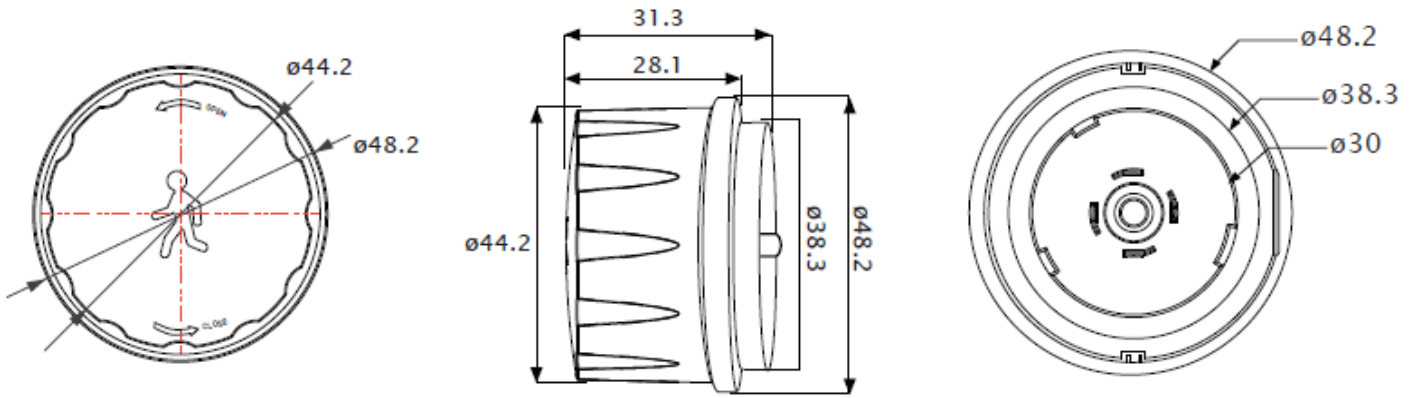
## HB006

### Microwave Motion Sensor



|                            |   |  |
|----------------------------|---|--|
| INPUT                      | INPUT   | 10.5V-15V DC, >30mA  |
|                            | STANDBY CONSUMPTION   | <30mA (Power Consumption)  |
| OUTPUT                     | DIM OUTPUT  | 1-10V  |
| DAYLIGHT PRIORITY FUNCTION |   | Detection Area: 120Lux/80Lux/50Lux/30Lux<br>Standby period: +∞<br>Standby dimming level: 10% / 20% / 30% |
| SENSOR PARAMETERS          | DETECTION AREA  | 25% / 50% / 75% / 100%   |
|                            | HOLDTIME  | 5s / 30s / 1min / 3min / 5min / 10min / 20min / 30min  |
|                            | DAYLIGHT THRESHOLD  | 2Lux / 10Lux / 30Lux / 50Lux / 80Lux / 120Lux / Disable  |
|                            | STANDBY PERIOD  | 0s / 10s / 30s / 1min / 5min / 10min / 30min / 60min +∞  |
|                            | STANDBY DIMMING LEVEL   | 10% / 20% / 30% / 50%  |
|                            | MICROWAVE FREQUENCY   | 5.8GHz +/- 75MHz   |
|                            | MICROWAVE POWER   | <0.3mW   |
|                            | MOUNTING HEIGHT   | ≤ 39.37FT (12m) (ceiling mounted)  |
|                            | DETECTION RANGE   | Max. 52.49ft (16m) (ceiling mounted)   |
|                            | MOTION DETECTION  | 0.5 ~ 1m/s   |
| OTHER                      | TEMPERATURE   | -20°C - 60°C (-4°F - 140°F)  |
|                            | IP GRADE  | IP65   |
|                            | WARRANTY  | 5 years  |
| REMARK                     | Factory Default Setting: Detection Area 100% / Hold Time: 5s / Daylight Threshold Disable / Standby Period: 0s / Standby Dimming Level: 10% |  |

# MEASUREMENTS

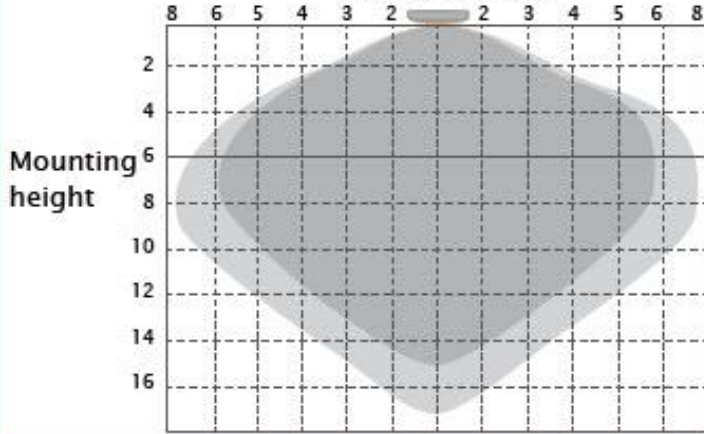


# DETECTION COVERAGE

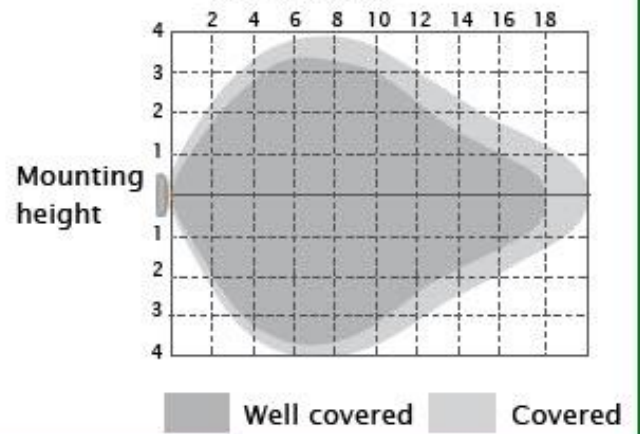
Typical installation height: 26.25-39.37FT (8-12m)

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

Ceiling Mounted



Wall Mounted



# OPTIONAL COMPATIBLE ACCESSORY

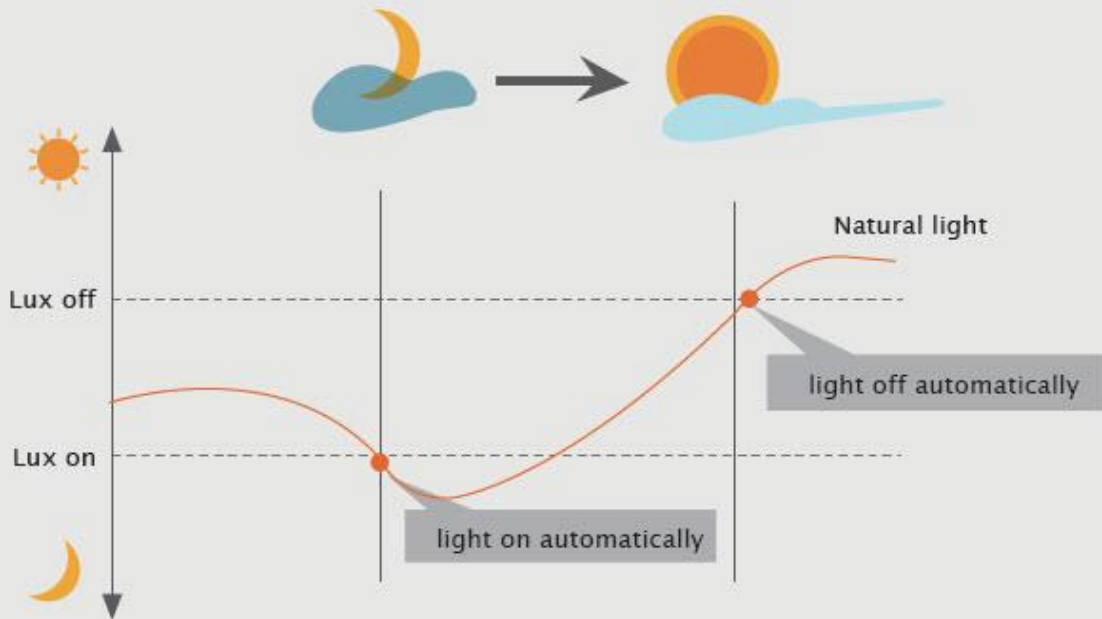


Remote Control  
LOC-GDHB-HD05R

Dual-PD technology brings a fully automatic Dusk/Dawn sensor which can tell the difference between natural light and LED light to ensure the light will be off when needed.

Precondition of Daylight priority:

1. Daylight threshold is on 30Lux/50Lux/80Lux/120Lux;
2. Standby period is  $+\infty$  ;
3. Standby dimming level is on 10%/20%/30%.



## Application \_\_\_ Daylight priority

- \* Daylight threshold is on 30Lux/50Lux/80Lux/120Lux;
- \* Standby period is  $+\infty$ ; Standby dimming level is on 10%/20%/30%.



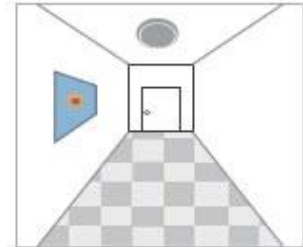
Light automatically on when ambient brightness is lower than preset lux level.



With insufficient ambient brightness, light dims to 100% when motion detected.



Light dims to standby level if no motion detected after holdtime.



Light off when ambient lux level is higher than preset lux amount.

**Automatically ON/OFF Function:**

- \* Daylight threshold is on 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux;
- \* Standby period is 0s; Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



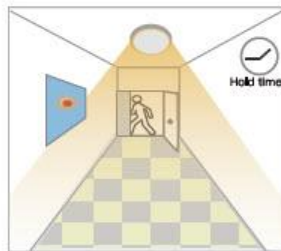
After the last detection and the present hold time elapsed, light OFF.

**No Daylight Function:**

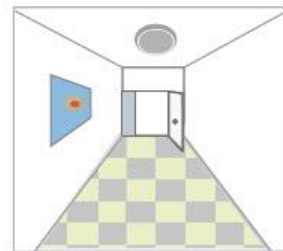
- \* Daylight threshold is on "Disable"; Standby period is on 0s/10s/30s/1 min/5min/10min/30min/60min.
- \* Light on when detect movement, After people leave, Light off after stand-by period.
- \* Stand-by period is set to +∞, The light will always remain ON.



When motion is detected, the sensor will switch on the light to 100% brightness.



After people leave the detection area, light remains 100% brightness within hold time.



After the last detection and the present hold time elapsed, light OFF.

- \* Daylight threshold is on 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux;
- \* Standby period is on 0s/10s/30s/1 min/5min/10min/30min/60min.
- \* Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After last detection, the light will be dimmed down to the stand-by dimming level (10%, 20%,30% or 50%) after holdtime.



After the stand-by period, light OFF.

**Dimmable Control / Corridor Function:**

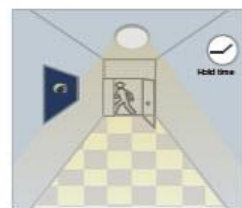
- \* Daylight threshold is on 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux;
- \* Standby period is on 0s/10s/30s/1 min/5min/10min/30min/60min.
- \* Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After last detection, the light will be dimmed down to the stand-by dimming level (10%, 20%,30% or 50%) after holdtime.



After the stand-by period, light OFF.