# HBF-ANT-5-3

Bi-level Microwave Sensor

IP65

| SKU No: | Type: | Date: |
|---|---|---|

## ACCESSORY FOR UFO FIN STYLE HIGH BAY

### DESCRIPTION

The sensor mounts on an outdoor lighting fixture and provides multi level control based on motion and/or daylight contribution. It controls 1-10 VDC LED drivers or dimming ballasts, and is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

### FEATURES

- Provides line voltage On/Off switching and 1-10VDC dimming control
- Works with ballasts or LED drivers
- High and low modes fully adjustable from 0 to 8V
- Time delay from 10 seconds to 60 minutes
- Optional cut off delay
- Adjustable ramp up and fade down times
- Optional daylighting set points feature automatic calibration, or permit manual adjustment
- Polycarbonate, flame retardant, UV resistant, impact resistant
- UL 773A and FCC

c UL us LISTED

5 YEAR LIMITED WARRANTY

IP65

### APPLICATIONS

The slim, low-profile sensor is designed for installation inside the bottom of a light fixture body. The microwave sensor are IP65 outdoor rated.

The sensor is ideal for areas such as parking facilities, gas stations, pedestrian pathways and warehouses.

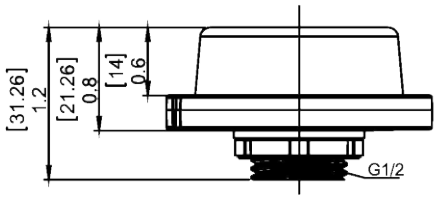
### BENEFITS

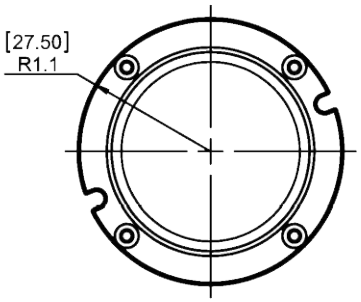
- IP65 rated for wet locations
- Fully adjustable high and low dimmed light levels; optional dusk to dawn control
- Hold off set point with automatic calibration option for convenience and added energy savings
- Multiple mounting options for easy installation

### TECHNICAL DATA

| PRODUCT | ANT-5 |
|---|---|
| POWER SUPPLY | 12-24V DC |
| DIM CONTROL OUTPUT | 1-10V, max 50mA sinking current |
| DETECTION RADIUS/ANGLE | 30FT @ 40FT Height/360° |
| MOUNTING HEIGHT | Max 40FT |
| REMOTE RANGE | 50FT (15m) indoor, no back light |
| HUMIDITY | Max 95% RH |
| TEMPERATURE | -40°F ~+167°F (-40°C~+75°C) |

### DIMENSIONS



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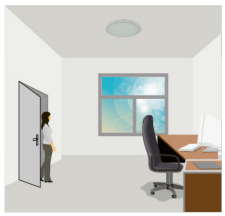
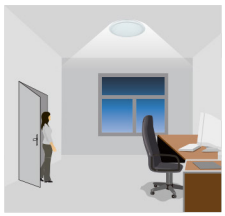
### CORRIDOR FUNCTION

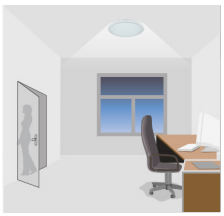
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100% -- dimmed light (natural light is insufficient) -- off; and 2 periods of selectable waiting time: motion hold-time and stand-by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

**NOTE:** If you choose STAND-By DIM is 0, the stand-by period is 0, it is ON/OFF function.

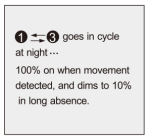
### SMART PHOTOCELL FUNCTION

Open the smart photocell sensor by pushing ⏻ when remote control is in setting condition.


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.

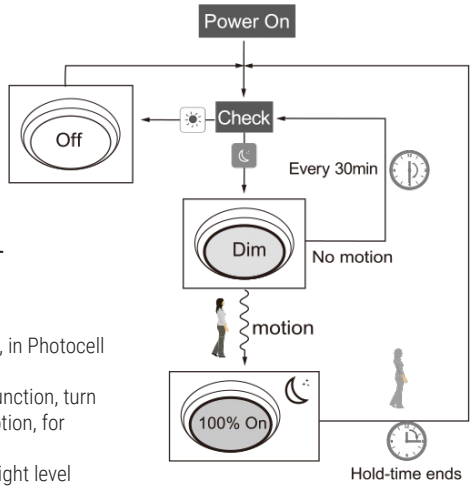




When the natural light level exceeds setpoint off to light,the light will turn off even if when the space is occupied.


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

Settings on this demonstration:
Hold-time: 10 min
Set Point on: 50 lux
Set Point off: 300 lux
Stand-by Dim: 10%
Stand-by Period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)




### DIFFERENCE BETWEEN CORRIDOR FUNCTION AND SMART PHOTOCELL FUNCTION

**1**. In corridor function, the daylight sensor as threshold to assist motion sensor, in Photocell function, the daylight sensor works independently to motion sensor.
**2**. Turn on light by detect motion when natural light is insufficient for corridor function, turn on light by natural light level exceeds set point on to light, do need to detect motion, for smart photocell function.
**3**. Turn off light by stand-by time for corridor function, Turn off light by natural light level lower than set point off of light for smart photocell function.

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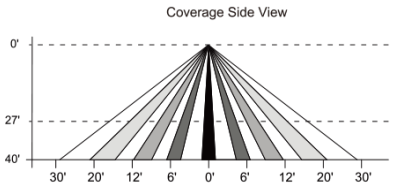
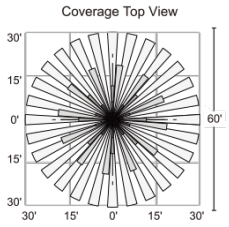
## ACCESSORY FOR UFO FIN STYLE HIGH BAY

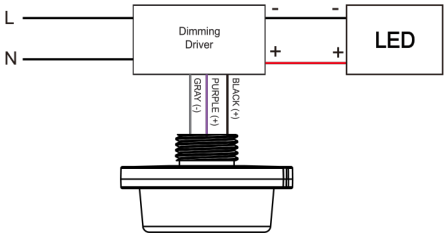
### COVERAGE




### WIRING

ANT-5 wiring with 12 VDC wire dimming ballast or LED driver.




ANT-5 wiring by AC/DC adapter with dimming ballast or LED driver.