

## High Bay 360° Passive Infrared Line Voltage Occupancy Sensor

**Model No: MPC-50H**

### Description

The MPC-50H 360 ° occupancy sensor uses advanced PIR technology to turn on the lights when motion is detected and keep the lights on when movement is present. The sensor will automatically turn off the lights if no movement is detected within the amount of time selected in the time delay. The MPC-50H is specially designed for use in areas with high ceilings such as warehouses, distribution centers, and gymnasiums. Be sure to attach the appropriate lens based on the ceiling height. There are two lens choices available, lens 1 and lens 2. Lens 1 is an extended range lens that provides up to 2800 sq. ft. of coverage at a maximum installation height of 50 ft. Lens 2 is a high density lens that provides up to 1200 sq. ft. of coverage at a maximum installation height of 8 ft.

### Features

- LED indicator of occupancy detection for easy verification of coverage
- Easy front access to time delay, sensitivity range and ambient light level adjustment
- Easy mounting using ½” knockout at end of luminaire fixture
- Hardware choices for side and back mount
- Compatible with all program start ballasts
- Zero crossing circuitry reduces stress on relay and extends sensor life

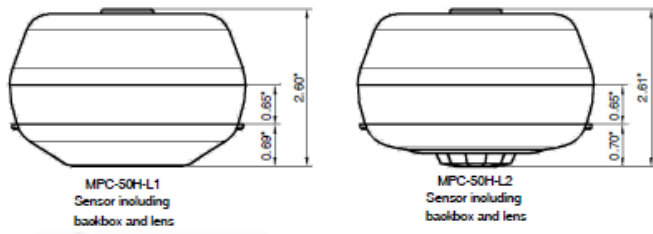
### Specifications

Voltage.....	120/277VA,50/60Hz
<b>Load Requirements:</b>	
@ 120VAC.....	800W ballast or tungsten
@ 277VAC.....	1200W ballast
@ 120VAC.....	1/4 hp
LED.....	150W
Adjustable Light Level.....	10FC—150FC
Sensitivity Adjustable.....	50% or 100% (DIP Switch)
Operating Temperature.....	32° to 131°F (0° to 55°C)
Relative Humidity.....	20-90%, non-condensing
Controls.....	Light Level Knob and Dip Switches
Material.....	ABS
Warranty.....	2 years

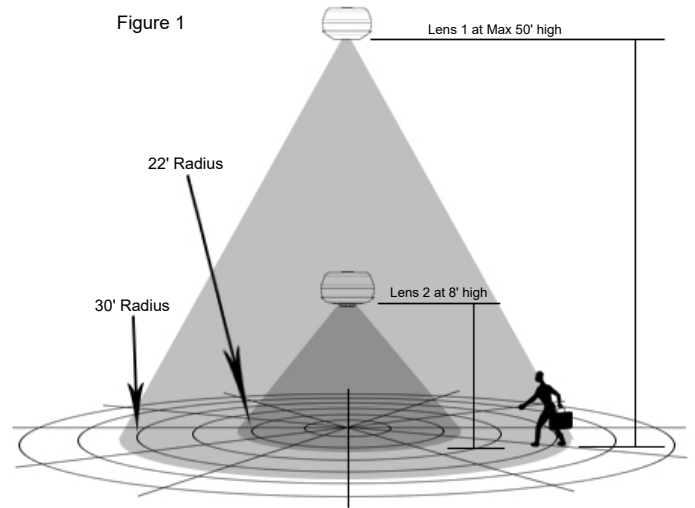
### Testing & Code Compliance



**Dimensions:**



**Coverage:**



**Lens Specifications:**

MPC-50H-L1:

Mounting height.....50ft  
 Field of view ..... 360°  
 Coverage .....2800 sq.ft

MPC-50H-L2:

Mounting height.....8ft  
 Field of view ..... 360°  
 Coverage ..... 1200 sq.ft

**Dip Switch Setting:**

Sensitivity	1			
100%	↑			
50%	↓			

Time Delay	2	3	4
Test/15 Seconds	↓	↓	↓
5 Minutes	↓	↓	↓
10 Minutes	↓	↓	↓
15 Minutes	↓	↓	↓
20 Minutes	↑	↑	↑
25 Minutes	↑	↑	↑
30 Minutes	↑	↑	↑

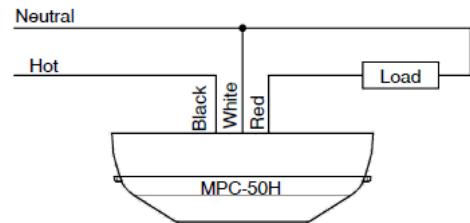
↓ = OFF ↑ = ON ◀ Factory setting

The MPC-50H has 4 DIP switches under the cover. They are used to set sensitivity and time delay feature settings.

First switch: Changes the sensitivity of the sensor, increasing or decreasing the range and height of detection.

Second, Third, and Forth: Through a combination of these switches outlined in the table above, the times at which the loads will turn off can be changed.

**Wiring Diagram:**



**Components:**

