

# Enerlites®



## PIR OCCUPANCY HIGH BAY SENSOR

MODEL NO: MPC-50H

### DESCRIPTION

The ENERLITES MPC-50H is a commercial grade line voltage high bay ceiling sensor that operates lights using PIR technology. This unit is specifically designed for high bay and fixture mounted applications and features interchangeable 360° fresnel lenses that provide up to 2800 sq. ft. of coverage area. This ceiling sensor is compatible with LED, fluorescent, or high bay lights. This motion sensor is ideal for use in warehouses, large storages and other high ceiling and fixture applications.

### FEATURES

- 360° field of view
- 42" wire lead
- Time Delay is adjustable from 15 seconds to 30 minutes
- DIP switch simplifies sensor adjustments
- Adjustable PIR sensitivity setting
- Adjustable ambient light level to keep load off
- LED indicator light flashes when sensor detects motion to verify detection is active
- Convertible from high bay to ceiling mount
- Zero-crossing for long relay life
- Sensor coverage tested to NEMA WD7-2000

### SPECIFICATIONS

Voltage	120VAC / 277 VAC, 50/60 Hz
Resistive	10A
Tungsten	800W
Electronic Ballast	800VA @ 120VAC / 1200VA @ 277VAC
Motor	1/4 HP
L1 Coverage	2800 sq. ft.
L2 Coverage	1200 sq. ft.
Warranty	2 Years

### TESTING & CODE COMPLIANCE



### APPLICATIONS

- Warehouses
- Large Storages
- High Ceilings

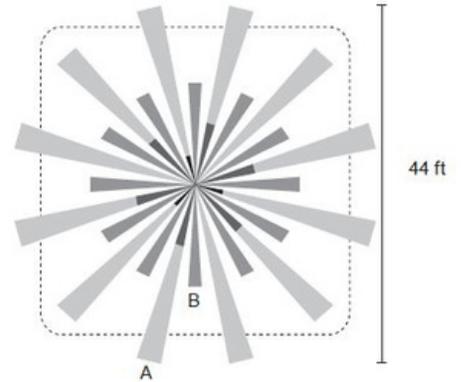
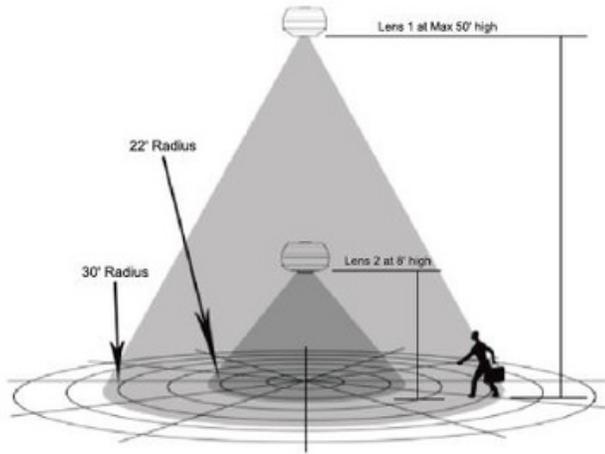
### SPECIFICATION SUBMITTAL

Job Name

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Notes

# COVERAGE PATTERN

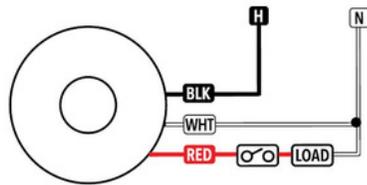


A: When walking across beam, detection will occur at approximately 30 feet.  
 B: When walking into beam, detection will occur at approximately 18 feet.

The MPC-50H offers a comprehensive 360° coverage pattern, showcasing the range when mounted at a height of 15-50 feet during walking motion. In spaces with reduced activity levels or hindrances such as obstacles and barriers, the coverage area may diminish. The size of coverage in PIR ONLY trigger mode fluctuates based on the mounting height—refer to the pattern above for specific details.

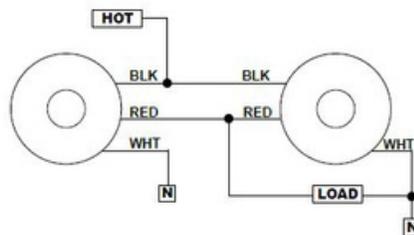
## WIRING

BLACK - Line Input  
 WHITE - Neutral  
 RED - Load Output



### SENSORS IN PARALLEL

Sensors may be wired in parallel; however, the maximum load ratings stay the same.



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