

Enerlites®

PIR OCCUPANCY/VACANCY LOW VOLTAGE CEILING SENSOR



MODEL NO: MPC-50L

DESCRIPTION

The ENERLITES MPC-50L is a commercial grade low voltage ceiling mount sensor that operates lights using PIR technology. The sensor features a 360° field of view fresnel lens that provides up to 1200 sq. ft. of coverage area. This ceiling mounted sensor operates lights ON/OFF based on occupancy and ambient light levels detected in the area. This ceiling sensor is compatible with either LED or fluorescent lights. The sensor is also compatible with ENERLITES 91245 momentary switch for optional vacancy mode and manual ON/OFF operation. ENERLITES MPP-24 power pack is required.

FEATURES

- 360° field of view
- Vacancy mode compliant with CA Title 24
- DIP switch simplifies sensor adjustments
- Time Delay is adjustable from 30 seconds to 30 minutes
- Autoset time delay based on occupancy pattern
- Adjustable PIR sensitivity setting
- Adjustable ambient light level to keep load off
- "Walk-through" sensing mode increases energy savings by turning lights "OFF" shortly after momentary occupancy
- Audible and Visible alert settings
- LED indicator light flashes when sensor detects motion to verify detection is active
- Zero-crossing for long relay life
- Sensor coverage tested to NEMA WD7-2000

SPECIFICATIONS

Voltage	24 VDC
Current Consumption	9mA
Power Supply	MPP-24 Power Pack
Coverage	1200 sq. ft.
Warranty	2 Years

TESTING & CODE COMPLIANCE



APPLICATIONS

- Open Office Spaces
- Classrooms
- Common areas

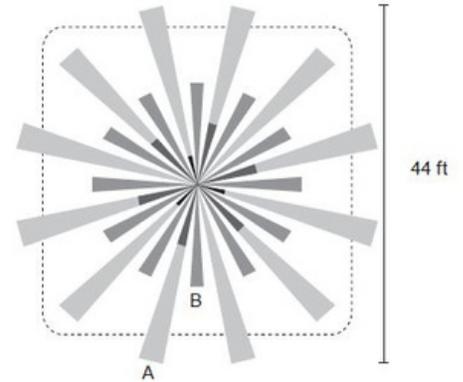
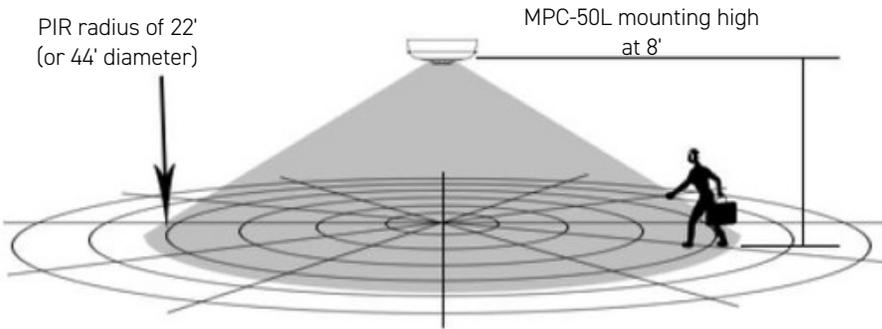
SPECIFICATION SUBMITTAL

Job Name

Job Number

Notes

COVERAGE PATTERN



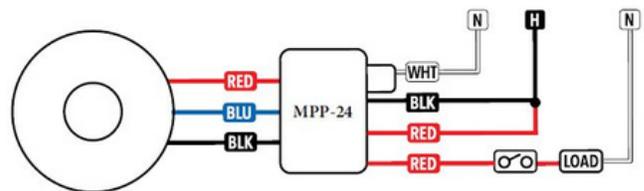
A: When walking across beam, detection will occur at approximately 22 feet.
B: When walking into beam, detection will occur at approximately 12 feet.

The MPC-50L offers a comprehensive 360° coverage pattern, showcasing the range when mounted at a height of 8-12 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

RED - Power Input (24 VDC)
BLACK - Common
BLUE - Control (OCC/VAC)

RELAY OPTION (MPP-24)
GRAY/RED - Connected for Vacancy mode
ORANGE - Hold On
BROWN - Hold Off



SPECIFICATION SUBMITTAL

Job Name Job Number

Notes