

OVERVIEW

High bay aisleway lighting control is made simple with the CMRB 50 480 Series occupancy sensor. This unique sensor is line powered and enables direct switching of 480 VAC lighting loads. Designed to mount at the end of a linear high bay fixture, this sensor's view pattern covers the area lit by three typically spaced T-5 or T-8 high bay fixtures used in a warehouse aisleway. Therefore, when mounted at a fixture, the coverage area extends out to the area that is lighted by the neighboring fixtures. This creates an effect where the lights turn on ahead of the occupant. The CMRB 50 480 switches both line voltage feeds going to a ballast, thus meeting the NEC requirements for simultaneously disconnecting all ungrounded conductors.

The CMRB 50 480 sensor is best used in sensor per fixture applications. For multiple fixture control, use low voltage sensors, such as the CMB 50 and/or HMB 10 and power packs. For 120/277 VAC and 347 VAC applications, see the CMRB 50 Series sensors. For 208/240 VAC applications, see the CMRB 50 208 Series sensors.

FEATURES

- 100% Digital PIR Detection, Excellent RF Immunity
- Up to 45 ft (13.72 m) Mounting
- Self-Contained Relay, No Power Pack Needed
- No Minimum Load Requirements
- Compatible w/ Electronic & Magnetic Ballasts, CFLs, LED, & Incandescents
- Interchangeable Hot & Load Wires, Impossible to Wire Backwards
- Push-Button Programmable
- Non-Volatile Settings Memory
- Adjustable Time Delays
- No Field Calibration or Sensitivity Adjustments Required
- Convenient Test Mode
- 100 hr Lamp Burn-in Timer

SPECIFICATIONS

Size: 3.63" H x 3.63" W x 1.50" D (9.22 cm x 9.22 cm x 3.81 cm)

Weight: 6 oz

Mounting: 1/2" knockout

Color: White

Maximum Load(per pole):5 Amps @ 480 VAC - Ballast

Motor Load: 1/4 HP

Frequency: 50/60Hz

ROHS compliant

Warranty

Five-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.



Sensor Switch™

CMRB 50 480

High Bay Aisleway Sensor



ORDERING INFORMATION

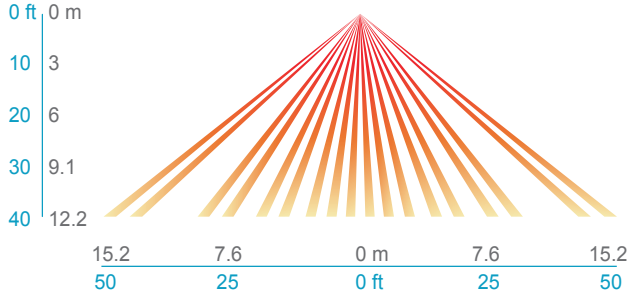
CMRB 50 480		Example: CMRB 50 480 LT
Series	Photocell	Temp/Humidity
CMRB 50 480 High Bay Aisleway Sensor	[blank] None P Photocell	[blank] Standard LT Low Temp

COVERAGE PATTERN

50 HIGH BAY AISLEWAY LENS

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction

SIDE VIEW

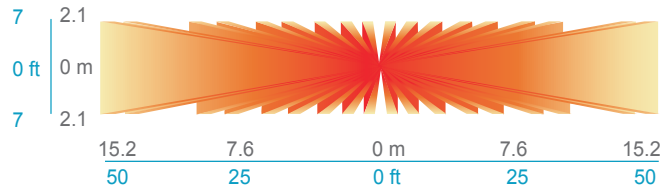


90° LENS ROTATION

The sensor's lens turret rotates 90° in order to easily adjust the direction of the view pattern



TOP VIEW



WIRING (DO NOT WIRE HOT)

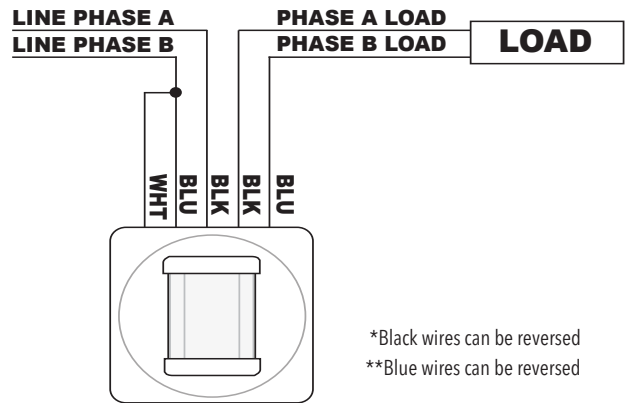
STANDARD WIRING

- BLACK* - Phase A Line Input
- BLACK* - Phase A Load Output
- BLUE** - Phase B Line Input
- BLUE** - Phase B Load Output
- WHITE - Connect to either Line Input

INITIAL POWER UP

The sensor's relays are shipped in a latched closed position so the lights will come on upon initial power-up. If the lights do not immediately turn on (initial installation only) the latching relays opened during shipment and will close within 30 secs.

Note: If the sensor loses power, the relays will latch closed.



*Black wires can be reversed

**Blue wires can be reversed