

OVERVIEW

The CMRB 50 Series High Bay Aisleway occupancy sensor provides bi-directional detection extending 70-110 ft (21.33-33.53 m) when mounted at heights of 30-45 ft (9.14-13.72 m). The CMRB 50 installs to a junction box or fixture with a 1/2 inch knockout and has a detection pattern that covers the area lit by three typically spaced high bay fixtures. Therefore, when mounted at a fixture, the coverage area extends out to the area that is lighted by each of the neighboring fixtures. This effect is useful with some ballasts that have a delay such that when traveling in a fork-lift truck, lighting needs to be initiated on ahead of the truck.

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):800W @ 120 VAC, 1200W @ 277 VAC, 1500W @ 347 VAC

Motor Load: 1/4 HP

Frequency: 50/60Hz

Dimming Load: Sinks <20 mA; ~40 Ballasts @ .5 mA each

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

High Bay Aisleway Sensor



ORDERING INFORMATION

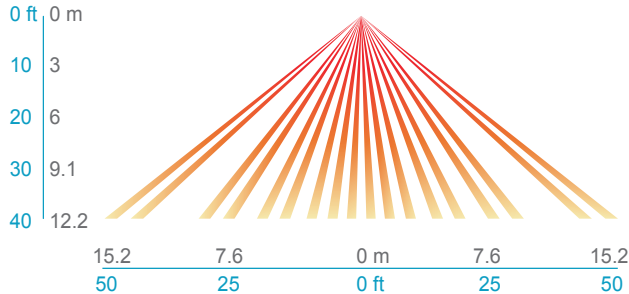
CMRB 50						Example: CMRB 50 D LT 36L	
Series	Dimming	Photocell	Voltage	Temp/Humidity	Wire		
CMRB 50 High Bay Aisleway Sensor	[blank] None D Occupancy Controlled Dimming	[blank] None P Photocell	[blank] 120/277 VAC 347 347 VAC	[blank] Standard LT Low Temp	[blank] Standard 24L 24" Leads 36L 36" Leads CRD36 36" Cord		

COVERAGE PATTERN

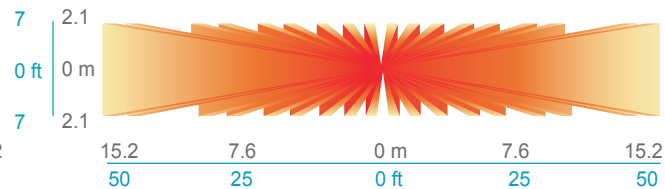
50 HIGH BAY AISLEWAY LENS

- 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



TOP VIEW



90° LENS ROTATION

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



WIRING (DO NOT WIRE HOT)

STANDARD WIRING

- | | | |
|--------|---------------|--------------------------------|
| BLACK* | - Line Input | } *BLACK wires can be reversed |
| BLACK* | - Load Output | |
| WHITE | - Neutral | |

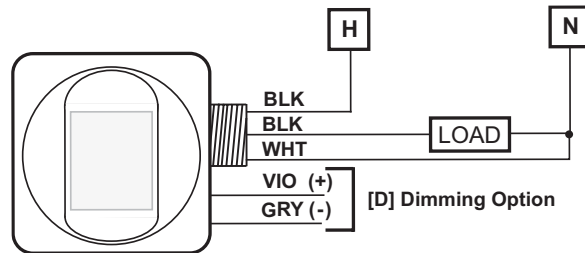
347 VAC OPTION (347)

Black wires are replaced w/ Red wires

INITIAL POWER UP

The sensor's relay is 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 relay opened during shipment and will close within 30 secs.

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



DIMMING OPTION (D)

- VIOLET** - Connect to Violet control wire from 0-10 VDC dimmable ballast
- GRAY** - Connect to Gray common wire from ballast