



**RAB®**

Passive Infrared  
& Microwave  
Occupancy  
Sensor Guide

# Occupancy sensing

RAB carries both microwave (MVS) and passive infrared (PIR) occupancy sensors, to make smart choices a breeze. Regardless of your application, your detection needs or the size of your space... we've got it covered.

## Passive Infrared (PIR)

### 120° Coverage

#### Slotted field

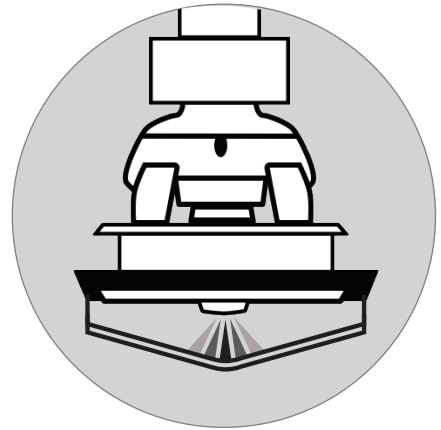
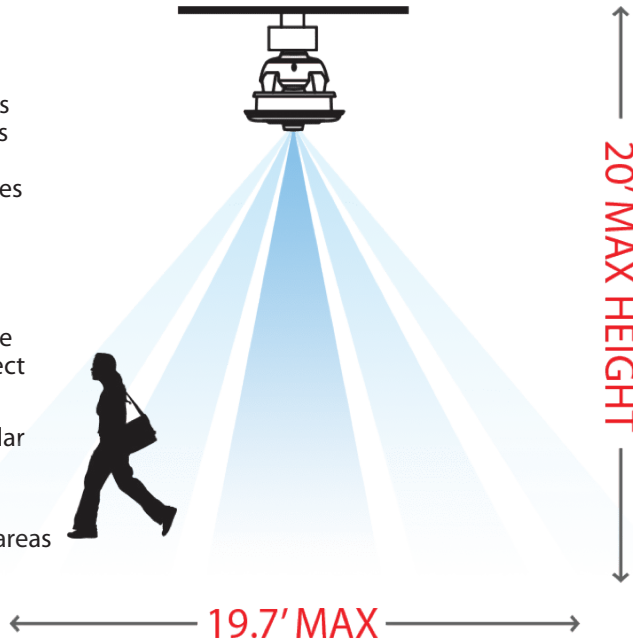
Small movement is harder to detect as the distance from the sensor increases

Ambient temperature dependent

Requires direct line of sight, can't detect around corners

Ideal for rectangular shaped areas

Better suited for smaller/narrower areas



Not for use with drop lens or refractors which will block part or all of the sensor's line of sight.

## Microwave (MVS)

### 120° Coverage

#### Continuous field

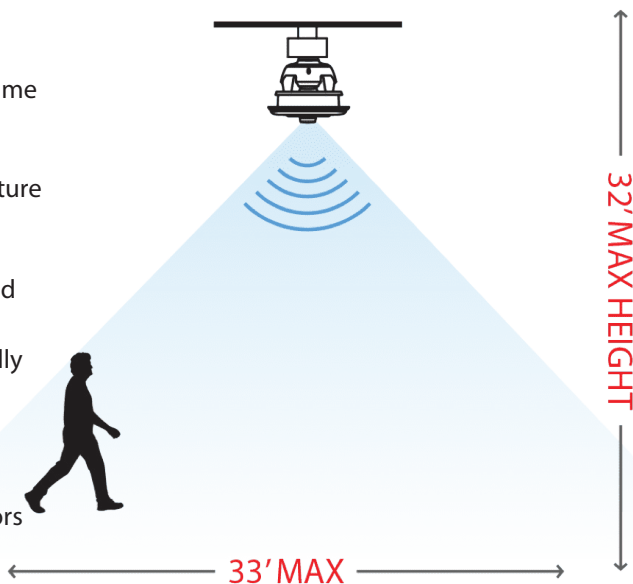
Small movement detection is the same regardless of the sensor distance

Ambient temperature independent

Detects through walls/obstacles and around corners

Ideal for abnormally shaped areas

Better suited for larger areas and fixtures with, reflectors, refractors and drop lenses



Perfect for use with a drop lens or refractor because the sensor detects through plastic and glass.

*(Max height and coverage areas vary by sensor.)*



# Daylight harvesting

Cut your utility bill with RAB's daylight harvesters. Sensors with this feature will dim or shut off electric lighting when there is sufficient sunlight available to achieve your desired lighting level.



## Applications



Warehouse



Gym



Parking Garage



Stairway



Restroom



Entryway

Product		Standard Sensors			Lightcloud® Blue		Lightcloud® Enterprise
Product Group	Product Family	PIR	MVS	Remote	PIR	MVS	PIR
INDOOR							
Panels & Troffers	Field-Adjustable T34®		✓	MVSREM	✓	✓	
	EZPAN®			None	✓	✓	✓
	High-Efficiency EZPAN®			None	✓	✓	✓
	Field-Adjustable EZPAN®			None	✓	✓	✓
	RPLED Panel Retrofit		✓	MSR1	✓	✓	✓
	SWISH® 34	✓		None			✓
	SWISH®		✓	MVSREM	✓	✓	✓
	Field-Adjustable SWISH®		✓	MVSREM	✓	✓	✓
	C-SWISH™		✓	MSR1		✓	✓
	SWISH® Edge		✓	MVSREM			✓
	SWISH® Island		✓	MVSREM			✓
	RTLED Troffer Retrofit		✓	MSR1	✓	✓	✓
High Bay	L34™		✓	MVSREM			✓
	RBAY17	✓	✓	MSR1	✓	✓	✓
	AEROBAY®			None	✓	✓	✓
	RAIL®	✓	✓	MVSREM/ WSREM			✓
	H17™	✓	✓	MSR1	✓	✓	
	HAYBAY	✓		None			✓
Washdown	SEAL®	✓	✓	MSR1	✓	✓	✓
	SHARK®	✓	✓	MSR1	✓	✓	✓
Strip Lights	STRP-LED		✓	MVSREM			✓
	SR	✓	✓	MSR1	✓	✓	✓
Wraps	GUS®17	✓	✓	MSR1	✓	✓	✓
	GUS® JR	✓	✓	MSR1	✓	✓	✓
	C-WRAP™		✓	MSR1			✓

Product		Standard Sensors			Lightcloud® Blue		Lightcloud® Enterprise
Product Group	Product Family	PIR	MVS	Remote	PIR	MVS	PIR
Architectural	KNOOK® Undercabinet	✓		None			
	HALV Sconce		✓	MVSREM			
	BOA® Linear Light	✓	✓	MSR1	✓	✓	✓
	TOMO Linear Light	✓		TOMO			✓
Surface Mount	CURV		✓	MSR1			
	DISK	✓		None			
Outdoor							
Floodlight	X17™			None	✓	✓	
Wall Packs	WP123 XFU	✓	✓	MSR1	✓	✓	✓
	WPX	✓	✓	MSR1	✓	✓	✓
	SLIM17	✓	✓	MSR1	✓	✓	✓
Area Lights	A17™	✓	✓	MSR1	✓	✓	✓
	A22™	✓	✓	MSR1	✓	✓	✓
	IVELOT®	✓		WSREM			✓
	ALED®	✓		WSREM			✓
Garage Lights	PARK34	✓	✓	MSR1	✓	✓	
	IVEPARK®	✓		WSREM			✓
	PORTO®	✓		WSREM			✓
Canopy Lights	VAN17	✓	✓	MSR1	✓	✓	
	VANLED®	✓		WSREM			✓
Lamps							
HID Replacement Lamp	ECO High Bay	✓	✓	None			
	High Bay	✓	✓	None			
	Field-Adjustable High Bay	✓	✓	None	✓	✓	
	Lightcloud Blue High Bay	✓	✓	None	✓	✓	
	Post Top	✓	✓	None			
	Field-Adjustable Post Top	✓	✓	None	✓	✓	
	Lightcloud Blue Post Top	✓	✓	None	✓	✓	

Product		Standard Sensors			Lightcloud® Blue		Lightcloud® Enterprise
Product Group	Product Family	PIR	MVS	Remote	PIR	MVS	PIR
Lamps							
HID Replacement Lamp	Shoebox	✓	✓	None			
	Field-Adjustable Shoebox	✓	✓	None	✓	✓	
	Garage Lighter	✓	✓	None	✓	✓	
	Adjustable Post Top/ High Bay/Shoebox	✓	✓	None			
Linear Lamp	4', Type B T8			None		✓	

