

**OVERVIEW**

The SBOR Series outdoor rated motion sensor utilizes Passive Infrared (PIR) detection technology into a line voltage motion sensor. Designed to mount directly through a 1/2" knockout (7/8" hole) in a light fixture or pole, the SBOR utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment.

**FEATURES**

- Mobile device configurable using the Sensor Switch Mobile App
- 100% Digital PIR Detection, Excellent RF Immunity
- Up to 30 ft Mounting with extra large motion. (Walking)
- IP66 Rated for Outdoor Applications
- Self-Contained Relay, No Power Pack Needed
- No Minimum Load Requirements
- Compatible w/ LEDs, Electronic & Magnetic Ballasts, CFLs, & Incandescents
- Interchangeable Hot & Load Wires- Impossible to Wire Backwards
- Adjustable Time Delays, Max/Min Dim Levels, & Ramp Rates
- Programming Button Accessible without Opening Sensor or Removing Gaskets
- No Field Calibration or Sensitivity Adjustments Required
- Non-Volatile Settings Memory
- Convenient Test Mode
- Tested to NEMA WD 7-2011

**SPECIFICATIONS**

Size: Bracket Dependent  
 Weight: 9.6 oz  
 Mounting: 1/2" knockout (7/8" hole)  
 Mounting Height: SBOR 10: 8-15 ft (2.44-4.57 m)  
 SBOR 6: 15-30 ft (4.57-9.14 m)  
 Maximum Load: 800 W @ 120 VAC, 1200 W @ 277 VAC, 1000 W @ 208 VAC,  
 1500 W @ 347 VAC, 1200 W @ 240 VAC, 2160 W @ 480 VAC  
 Motor Load: 1/4 HP  
 Dimming Load: Sinks <20 mA (0-10 VDC LED Drivers / Ballasts)  
 Recommended Operating Temperature: -40°F to 160°F  
 IP66 Rated and ROHS compliant

**Warranty**

Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice



*SBOR Family  
 Outdoor Pole/ Fixture  
 Mount Motion Sensor*



Note: Sensor may appear different from above photo depending on selected body and bracket type.



**ORDERING INFORMATION**

SBOR				Example: SBOR 10 ODP 1V			
Series	Mounting Height	PIR Detection Type	Dimming <sup>2</sup>			Photocell <sup>2</sup>	
SBOR Outdoor Pole/ Fixture Mount Sensor; Line Voltage	6 High Mount (15-30 ft)	OEX Outdoor PIR	[blank] None			[blank] None	
	10 Low Mount (8-15 ft)	ODP <sup>1</sup> Outdoor PIR w/ Photocell	D Occupancy Controlled Dimming	P	On/off photocell		

ADDL. ORDERING OPTIONS					
Voltage	Compatibility	Body/ Bracket	Color	Min Dim Level <sup>3,4</sup>	Pack Qty
[blank] 120-277 VAC (MVOLT)	[blank] None	[blank] Short extension, low back	WH White	0V Off	[blank] Single
HVOLT 347-480 VAC	VLP <sup>4</sup> 6'-8' Range Flash Programming via Sensor Switch Mobile App	EB1 Short extension, high back	BK Black	1V 1 VDC	J40 40 Pack
		EB2 Long extension, low back	BZ Dark Bronze	2V 2 VDC	
		EB3 Long extension, high back		3V 3 VDC	
		EB4 Medium extension, low back		4V 4 VDC	
		EB5 Medium extension, high back		5V 5 VDC	

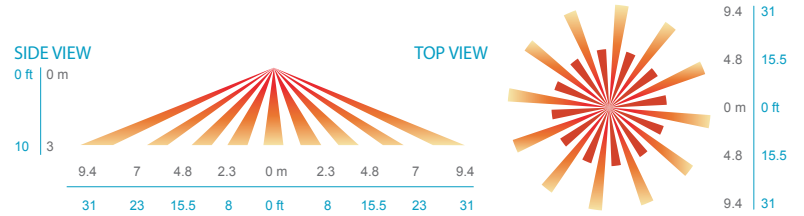
Notes:

1. Order ODP if both Occupancy Controlled Dimming and On/Off Photocell desired
2. Only available if OEX detection selected.
3. Required and only available if ODP or D options are selected.
4. Min Dim Level not available if VLP option is selected.

## COVERAGE PATTERN

### Parking Garage / Low Mount Applications

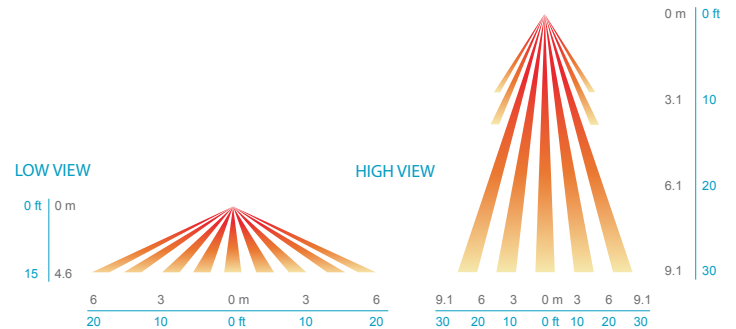
In general, the SBOR 10 is recommended for 8-15 ft (2.44-4.57 m) mounting and provides a coverage area radius for walking motion of greater than 2x the mounting height. The SBOR 10 ODP is ideal for parking garage and low pole mount applications. When mounted 10 ft high, for example, on a luminaire in a parking garage, the sensor's coverage for walking motion extends out 30 ft in a 360° pattern. This closely matches the lighting distribution of a typical parking garage luminaire. When mounted to a light pole, for example, in a parking lot or along a path, the sensor provides 270° of coverage (90° is blocked by the pole). Note, walking askew to sensor typically results in earlier detection than walking directly at sensor.



Coverage Pattern of Low Mount Lens Option (SBOR 10)

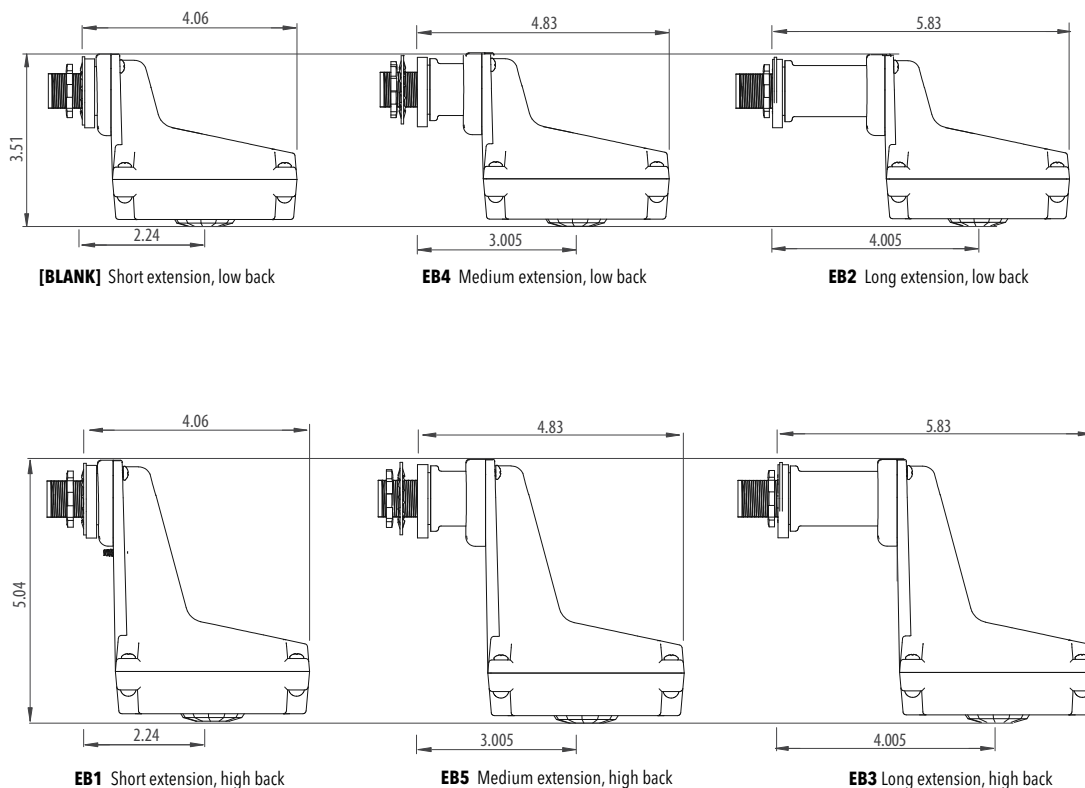
### SITE & AREA LIGHTING / HIGH Mount Applications

The SBOR 6 is intended for higher pole mount applications, between 15-30 ft (4.57-9.14 m), and provides a coverage area radius for walking motion of 15-20 ft (4.57-6.10 m). When mounted to a pole the sensor provides 270° of coverage (90° is blocked by the pole). Higher mounting (e.g. 40 ft or 12.20 m) may result in shorter detection range.



Coverage Pattern of High Mount Lens Option (SBOR 6)

## BODY/BACKET OPTIONS



## INSTALLATION INSTRUCTIONS

- Sensor has a 1/2" chase nipple that enables mounting through a knockout/hole in a junction box, fixture, or pole.

## MOUNTING SPECIFICATIONS

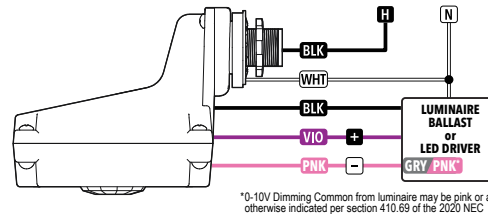
- Mounts through 7/8" diameter hole
- Requires access on opposite or adjacent side to secure mounting nut
- Required mounting distance from light source may vary by sensor functionality and luminaire design
- See specification drawing for details



## WIRING (DO NOT WIRE HOT)

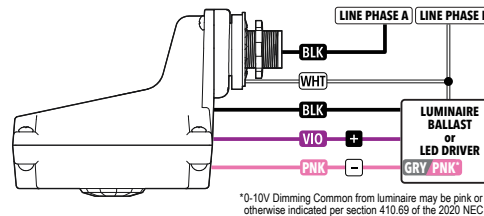
### WIRING TO SINGLE PHASE POWER (120/277/347 VAC)

- BLACK\* 120/277 VAC Input  
(RED wire for 347 VAC - requires HVOLT option)
- BLACK\* Switched Line Voltage Output to Luminaire  
(RED wire for 347 VAC - requires HVOLT option)
- WHITE Neutral
- VIOLET (w/ D option) Low Voltage Dim Output (0-10 VDC)
- PINK\*\* (w/ D option) Low Voltage Common



### WIRING TO 2-PHASE POWER (208/240/480 VAC)\*

- BLACK\* 208/240 VAC Phase A Input  
(RED wire for 480 VAC - requires HVOLT option)
- BLACK\* Switched Line Voltage Output to Luminaire  
(RED wire for 480 VAC - requires HVOLT option)
- WHITE Phase B of 208/240/480 VAC Input
- VIOLET (w/ D option) Low Voltage Dim Output (0-10 VDC)
- PINK\*\* (w/ D option) Low Voltage Common



\*Safety Note: only one line phase is being switched

\*\*0-10V Dimming Common from luminaire may be pink or as otherwise indicated per section 410.69 of the 2020 NEC