

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. Complete warranty terms located at:
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 ²	Photocell ²
SBOR Outdoor Pole/ Fixture Mount Sensor; Line Voltage	6 High Mount (15-30 ft) 10 Low Mount (8-15 ft)	OEX Outdoor PIR	ODP ¹ Outdoor PIR w/ Photocell	[blank] None D Occupancy Controlled Dimming	[blank] None P On/off photocell

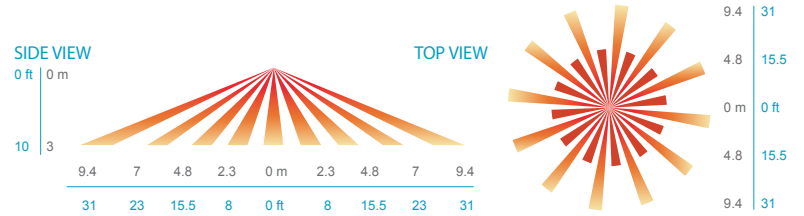
ADDL. ORDERING OPTIONS						
Voltage	Compatibility	Body/ Bracket		Color	Min Dim Level ^{3,4}	Pack Qty
[blank] 120-277 VAC (MVOLT) HVOLT 347-480 VAC	[blank] None VLP ⁴ 6'-8' Range Flash Programming via Sensor Switch Mobile App	[blank] Short extension, low back	EB1 Short extension, high back EB2 Long extension,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

- 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

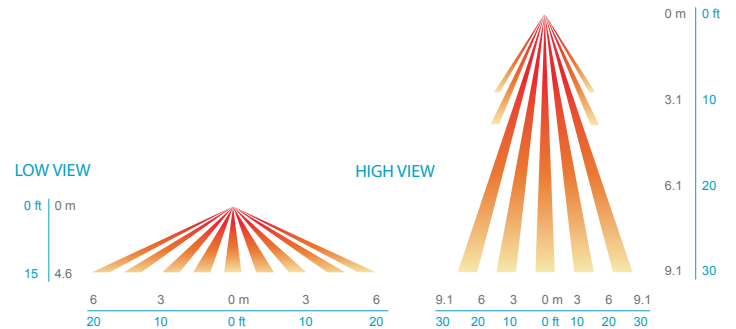
In general, the SBOR 10 is recommended for 8-15 ft (2.44-4.57 m) mounting and provides a coverage area radius for walking motion of greater than 2x the mounting height. The SBOR 10 ODP is ideal for parking garage and low pole mount applications. When mounted 10 ft high, for example, on a luminaire in 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)

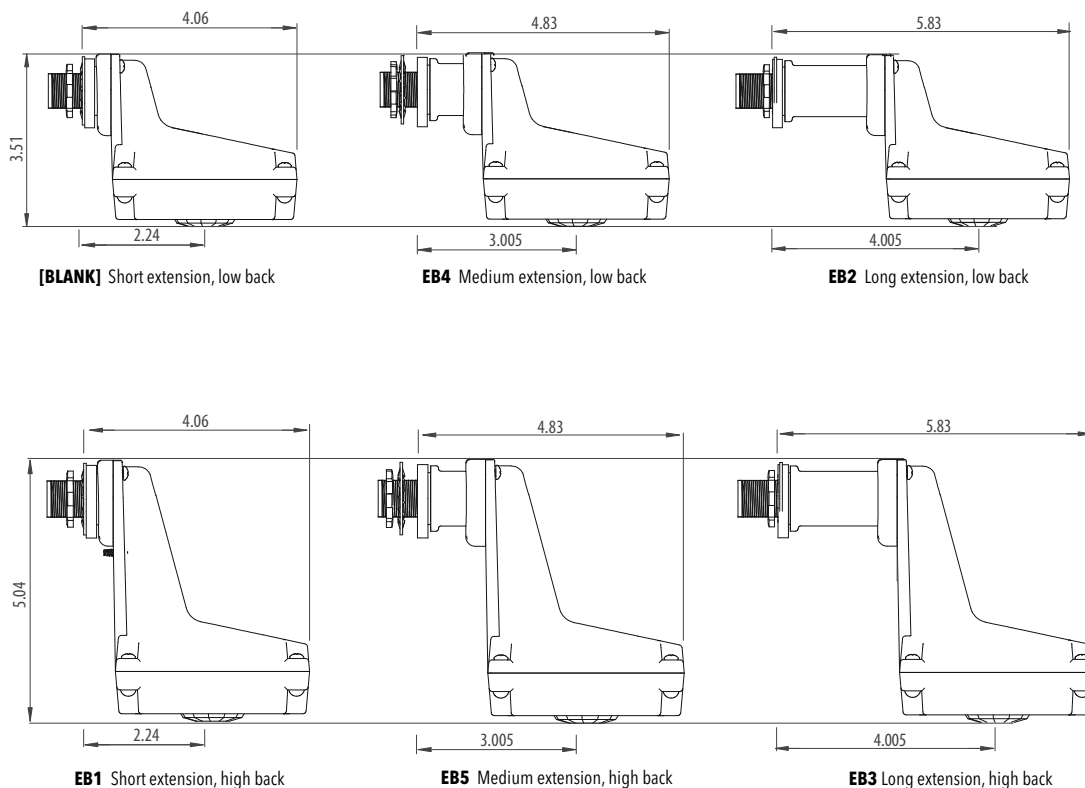
SITE & AREA LIGHTING / HIGH Mount Applications

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

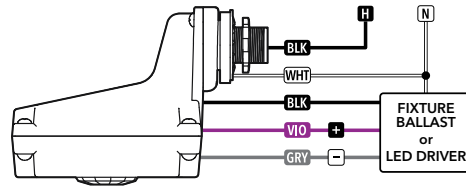
- Mounts through 7/8" diameter hole
- Requires access on opposite or adjacent side to secure mounting nut
- Required mounting distance from light source may vary by sensor functionality and luminaire design
- See specification drawing for details



WIRING (DO NOT WIRE HOT)

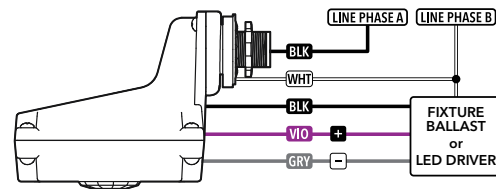
WIRING TO SINGLE PHASE POWER (120/277/347 VAC)

- 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)
- GRAY (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)
- GRAY (w/ D option) Low Voltage Common



*Safety Note: only one line phase is being switched