

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for use in food and beverage processing, cold storage, natatoriums and garden centers. Fiberglass enclosure protects fixture while remaining easy to service and clean. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — One-piece 5VA rated fiberglass housing with continuous poured-in-place, closed-cell gasket. Housing includes integrated heat management rail to optimize LED performance in warmer ambient temperatures. Three piece captive latches lock onto the housing to keep latches from becoming displaced during strenuous cleaning.

OPTICS — Injection-molded acrylic, impact-resistant diffuser (.080" thick), available in clear or frosted, features side lineal prisms and frosted ends (clear). Frosted lens recommended for lower mounting heights and enhanced visual comfort. UV stabilized polycarbonate diffuser option available (.080" thick) for increased impact resistance. Three piece stainless steel latches (12) keep lens securely fastened.

ELECTRICAL — Utilizes high-efficiency LEDs mounted to core circuit boards. High-efficiency drivers operate 120-480 volt offered with 0-10 volt dimming, allowing granular control when coupled with wireless networking controls. Integral 6kV/3kA surge protection, tested in accordance to IEEE/ANSI standards. Expected service life of 60,000 hours at 80% lumen maintenance (L80); predicted life of more than 100,000 hours.

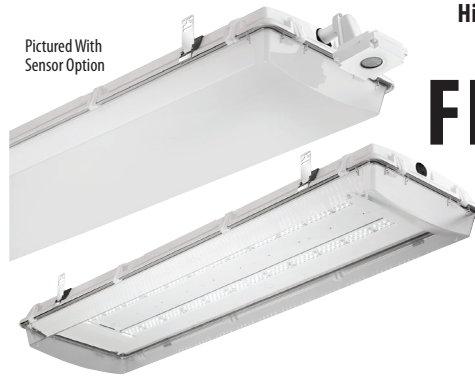
INSTALLATION — Luminaire can be ceiling or suspend mounted. Power connection is easily accommodated through pre-drilled holes at each end, watertight plugs ship standard on each end. Stainless steel mounting straps (standard), included for suspension with aircraft cable (cable not included). Optional stainless steel V-hooks available for chain hanging (chain not included). Mounting straps also accommodate RMKSS or RMKZP accessory for surface mounting.

LISTINGS — CSA Certified to UL and C-UL standards for ambient temperatures from -40°F (-40°C) to 104°F (40°C) when suspended and up to 30°C when surface mounted. Suitable for wet location. Covered ceiling not required to maintain wet location listing or IP ratings. IP65, IP66 and IP67 rated and certified to meet NSF Splash Zone 2. NEMA 4X rated. 1500 PSI hose-down.

WARRANTY — 5-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. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |



Pictured With Sensor Option

High-Pressure Hose-Down

FHE LED

FOOD PROCESSING/
COLD STORAGE

Specifications

Length: 52.0 (132.0)
Width: 14-5/8 (37.1)
Depth: 6 (15.2)
Weight: 36 lbs. (12.7 kg)
All dimensions are inches (centimeters) unless otherwise specified.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FHE 18000LM ACL MD MVOLT GZ10 50K 80CRI

| FHE Series | Lumens | Diffuser | Distribution | Voltage | Driver | Color temperature ² |
|---------------|---|---|--|--|--------------------|--|
| FHE 15" X 52" | 9000LM 9,000 lumens 12000LM 12,000 lumens 15000LM 15,000 lumens 18000LM 18,000 lumens 20000LM 20,000 lumens 24000LM 24,000 lumens ¹ | ACL Clear acrylic PCL Clear polycarbonate FST Frosted acrylic | ND Narrow distribution MD Medium distribution | MVOLT MVOLT; 120-277V HVOLT HVOLT; 347V-480V, 60HZ only 120 120V 277 277V 347 347V (60HZ only) 480 480V (60HZ only) | GZ10 0-10V dimming | 30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K |

| Color rendering index | Options ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------------|---|------|-------------------|---------|--|--------|--|------|---|---------|--|---------|--|----|----------------------------|-------|---|----|----------------------------|------|-------------------------------------|----------------------|--|-----|-----------------------------------|---------------------|---|--------|---|---------|--|---------|---|------------|---|------|-----------------------------|----------|---|-------|--------------------------------------|-------------|--|-------|----------------------------------|-----|---|
| 70CRI 70 CRI 80CRI 80 CRI 90CRI 90 CRI | <table border="0"> <tr> <td>CS89</td> <td>Cord set - NEMA type STW 16/3, 6', 600V, white, no plug, wet location</td> <td>PLCL</td> <td>Polymetric latch,</td> </tr> <tr> <td>CS89L12</td> <td>Cord set - NEMA type STW 16/3, 12', 600V, white, no plug, wet location</td> <td>BSL722</td> <td>Bodine® emergency LED battery pack for 0°C and up⁶</td> </tr> <tr> <td>CS88</td> <td>Cord set - Brad Harrison 3P male straight 600V molded plug, 6' type ST00W yellow PVC cord, 16/3</td> <td>BSL722C</td> <td>Bodine® emergency LED battery pack for -20°C and up⁶</td> </tr> <tr> <td>CS88L12</td> <td>Cord set - Brad Harrison 3P male straight 600V molded plug, 12' type ST00W yellow PVC cord, 16/3</td> <td>SF</td> <td>Single Fusing⁶</td> </tr> <tr> <td>CS88R</td> <td>Cord set - Brad Harrison receptacle, for use with CS88 cord set</td> <td>DF</td> <td>Double Fusing⁶</td> </tr> <tr> <td>MHKB</td> <td>Stainless steel V-hook and brackets</td> <td>MSI10XAWL10M DSCXAWL</td> <td>Low mount Xpoint wireless integral motion sensor, On/Off operation for motion sensing, override Off due to daylight⁶</td> </tr> <tr> <td>WLF</td> <td>Wet location fitting⁴</td> <td>MSI6XAWL10M DSCXAWL</td> <td>High mount Xpoint wireless integral motion sensor, On/Off operation for motion sensing, override Off due to daylight⁶</td> </tr> <tr> <td>WLFEND</td> <td>Wet location fitting (one end)⁴</td> <td>MSI6NWL</td> <td>High mount 360° motion sensor, on/off, wet location⁶</td> </tr> <tr> <td>WLFEND2</td> <td>Wet location fitting (both ends)^{4,5}</td> <td>MSI62L3VWL</td> <td>High mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location⁵</td> </tr> <tr> <td>MSZP</td> <td>Mounting strap, zinc plated</td> <td>MSI10NWL</td> <td>Low mount 360° motion sensor, on/off, wet location⁶</td> </tr> <tr> <td>RMKSS</td> <td>Rigid mount bracket, stainless steel</td> <td>MSI102L3VWL</td> <td>Low mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location⁵</td> </tr> <tr> <td>RMKZP</td> <td>Rigid mount bracket, zinc plated</td> <td>XAD</td> <td>XPoint™ wireless controller, 0-10V dimming⁶</td> </tr> </table> | CS89 | Cord set - NEMA type STW 16/3, 6', 600V, white, no plug, wet location | PLCL | Polymetric latch, | CS89L12 | Cord set - NEMA type STW 16/3, 12', 600V, white, no plug, wet location | BSL722 | Bodine® emergency LED battery pack for 0°C and up ⁶ | CS88 | Cord set - Brad Harrison 3P male straight 600V molded plug, 6' type ST00W yellow PVC cord, 16/3 | BSL722C | Bodine® emergency LED battery pack for -20°C and up ⁶ | CS88L12 | Cord set - Brad Harrison 3P male straight 600V molded plug, 12' type ST00W yellow PVC cord, 16/3 | SF | Single Fusing ⁶ | CS88R | Cord set - Brad Harrison receptacle, for use with CS88 cord set | DF | Double Fusing ⁶ | MHKB | Stainless steel V-hook and brackets | MSI10XAWL10M DSCXAWL | Low mount Xpoint wireless integral motion sensor, On/Off operation for motion sensing, override Off due to daylight ⁶ | WLF | Wet location fitting ⁴ | MSI6XAWL10M DSCXAWL | High mount Xpoint wireless integral motion sensor, On/Off operation for motion sensing, override Off due to daylight ⁶ | WLFEND | Wet location fitting (one end) ⁴ | MSI6NWL | High mount 360° motion sensor, on/off, wet location ⁶ | WLFEND2 | Wet location fitting (both ends) ^{4,5} | MSI62L3VWL | High mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location ⁵ | MSZP | Mounting strap, zinc plated | MSI10NWL | Low mount 360° motion sensor, on/off, wet location ⁶ | RMKSS | Rigid mount bracket, stainless steel | MSI102L3VWL | Low mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location ⁵ | RMKZP | Rigid mount bracket, zinc plated | XAD | XPoint™ wireless controller, 0-10V dimming ⁶ |
| CS89 | Cord set - NEMA type STW 16/3, 6', 600V, white, no plug, wet location | PLCL | Polymetric latch, | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CS89L12 | Cord set - NEMA type STW 16/3, 12', 600V, white, no plug, wet location | BSL722 | Bodine® emergency LED battery pack for 0°C and up ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CS88 | Cord set - Brad Harrison 3P male straight 600V molded plug, 6' type ST00W yellow PVC cord, 16/3 | BSL722C | Bodine® emergency LED battery pack for -20°C and up ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CS88L12 | Cord set - Brad Harrison 3P male straight 600V molded plug, 12' type ST00W yellow PVC cord, 16/3 | SF | Single Fusing ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CS88R | Cord set - Brad Harrison receptacle, for use with CS88 cord set | DF | Double Fusing ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MHKB | Stainless steel V-hook and brackets | MSI10XAWL10M DSCXAWL | Low mount Xpoint wireless integral motion sensor, On/Off operation for motion sensing, override Off due to daylight ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WLF | Wet location fitting ⁴ | MSI6XAWL10M DSCXAWL | High mount Xpoint wireless integral motion sensor, On/Off operation for motion sensing, override Off due to daylight ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WLFEND | Wet location fitting (one end) ⁴ | MSI6NWL | High mount 360° motion sensor, on/off, wet location ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WLFEND2 | Wet location fitting (both ends) ^{4,5} | MSI62L3VWL | High mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location ⁵ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSZP | Mounting strap, zinc plated | MSI10NWL | Low mount 360° motion sensor, on/off, wet location ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RMKSS | Rigid mount bracket, stainless steel | MSI102L3VWL | Low mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location ⁵ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RMKZP | Rigid mount bracket, zinc plated | XAD | XPoint™ wireless controller, 0-10V dimming ⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

For Accessories and Notes, see page 2.

FHE LED High-Pressure Hose-Down, LED

| Accessories: Order as separate catalog number. | | | |
|--|--|------------|---|
| FHEMHKB | Stainless steel V-hook and brackets | MHHK120SS | 10' single leg aircraft cable, stainless steel ^{8,9} |
| FHEEMK | End mount suspension bracket ⁷ | FHEACT120 | 10' Y-toggle aircraft cable |
| FHERMK | Rigid mounting bracket | FHEACT240 | 20' Y-toggle aircraft cable |
| MHCH36 | 3' Double chain ⁸ | RK1 T10DRV | Torx [®] T10 screwdriver for TRS option |
| MHHK120 | 10' single leg aircraft cable ^{8,9} | | |

Notes

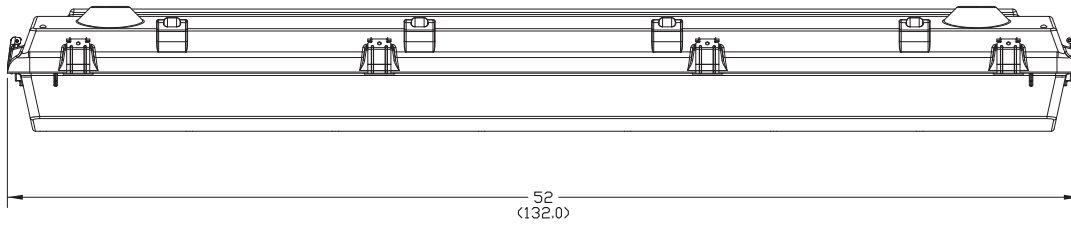
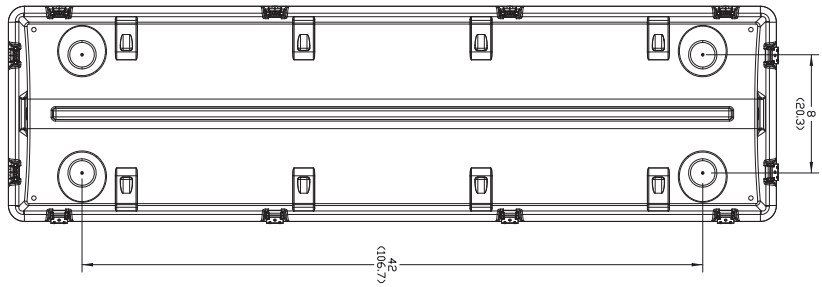
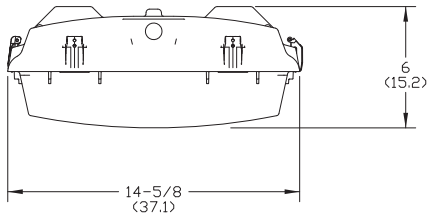
- 1 Not available with BSL722 or BSL722C option.
- 2 The CCT value provided is of lamp source and actual CCT will vary upon levels.
- 3 For additional options consult factory.
- 4 Fixture will no longer be NEMA 4X rated.
- 5 Not available with cord, sensor or photocell options.
- 6 Must specify voltage.
- 7 Not available with HVOLT, 347, or 480.
- 8 For use with MHKB option.
- 9 For use with EMK option.

| FHE Performance Chart | | | | | | | | | | |
|-----------------------|-------------|-------------------|---------------------------------------|---------------|-----------------|---------------|-----------------|---------------|-----------------|----------------------------------|
| Package | Input Watts | Medium Color Temp | Maximum Ambient Temperature Suspended | 70CRI | | 80CRI | | 90CRI | | Comparable Light Source |
| | | | | Clear Acrylic | Frosted Acrylic | Clear Acrylic | Frosted Acrylic | Clear Acrylic | Frosted Acrylic | |
| 9000LM | 75 | 30K | -40°F to 104°F (-40°C to 40°C) | 9643 | 9458 | 8765 | 8597 | 7073 | 6937 | 2-lamp T5HO |
| | | 35K | | 9707 | 9521 | 8943 | 8772 | 7344 | 7203 | 2-lamp T5HO |
| | | 40K | | 9921 | 9731 | 9186 | 9010 | 7558 | 7413 | 2-lamp T5HO |
| | | 50K | | 9921 | 9731 | 9186 | 9087 | 7651 | 7504 | 2-lamp T5HO |
| 12000LM | 95 | 30K | -40°F to 104°F (-40°C to 40°C) | 13665 | 13403 | 12421 | 12182 | 10023 | 9831 | 4-lamp T8, 250W HID |
| | | 35K | | 13756 | 13492 | 12673 | 12430 | 10408 | 10208 | 4-lamp T8, 250W HID |
| | | 40K | | 14059 | 13790 | 13017 | 12768 | 10711 | 10506 | 4-lamp T8, 250W HID |
| | | 50K | | 14059 | 13661 | 13129 | 12877 | 10843 | 10635 | 4-lamp T8, 250W HID |
| 15000LM | 111 | 30K | -40°F to 104°F (-40°C to 40°C) | 15736 | 15434 | 14303 | 14029 | 11543 | 11321 | 4-lamp T5HO, 6-lamp T8 |
| | | 35K | | 15841 | 15537 | 14594 | 14314 | 11985 | 11755 | 4-lamp T5HO, 6-lamp T8 |
| | | 40K | | 16190 | 15880 | 14990 | 14703 | 12335 | 12098 | 4-lamp T5HO, 6-lamp T8 |
| | | 50K | | 16190 | 15880 | 15118 | 14829 | 12486 | 12247 | 4-lamp T5HO, 6-lamp T8 |
| 18000LM | 146 | 30K | -40°F to 104°F (-40°C to 40°C) | 19603 | 19227 | 17818 | 17476 | 14379 | 14103 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| | | 35K | | 19733 | 19355 | 18181 | 17832 | 14930 | 14644 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| | | 40K | | 20168 | 19782 | 18674 | 18316 | 15366 | 15071 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| | | 50K | | 20168 | 19782 | 18833 | 18472 | 15554 | 15256 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| 20000LM | 171 | 30K | -40°F to 104°F (-40°C to 40°C) | 22049 | 21626 | 200042 | 19657 | 16173 | 15863 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| | | 35K | | 22196 | 21770 | 20450 | 20057 | 16794 | 16472 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| | | 40K | | 22685 | 22250 | 21004 | 20602 | 17283 | 16952 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| | | 50K | | 22685 | 22250 | 21184 | 20778 | 17495 | 17160 | 4-lamp T5HO, 6-lamp T8, 400W HID |
| 24000LM | 224 | 30K | -40°F to 104°F (-40°C to 40°C) | 25549 | 25059 | 23223 | 22777 | 18741 | 18381 | 6-lamp T5HO, 8-lamp T8 |
| | | 35K | | 25719 | 25226 | 23696 | 23241 | 19459 | 19086 | 6-lamp T5HO, 8-lamp T8 |
| | | 40K | | 26286 | 25782 | 24339 | 23872 | 20027 | 19643 | 6-lamp T5HO, 8-lamp T8 |
| | | 50K | | 26286 | 25782 | 24547 | 24076 | 20273 | 19884 | 6-lamp T5HO, 8-lamp T8 |

FHE LED High-Pressure Hose-Down, LED

DIMENSIONS

Inches (centimeters). Subject to change without notice.



MOUNTING ACCESSORIES



MHK (requires two pair)



FHEACT



V-hook, chain



FHEEMK – End mount
suspension bracket**



FHERMK – Rigid mounting
bracket**

** Made from 304 stainless steel

PHOTOMETRICS

See www.lithonia.com for photometry reports.

FHE LED High-Pressure Hose-Down, LED

SBOR - WET LOCATION Motion Sensor (see www.sensorswitch.com for additional information)

- 360° coverage
- On/Off dim
- Photocell optional
- IP66 rated
- Photocell and 0-10VDC dimming options.

| Fixture sensor nomenclature | SBOR sensor nomenclature |
|--|--------------------------|
| For shortest lead times use one of the following SBOR configurations | |
| MSI10NWL | SBOR 10 OEX EB3 WH |
| MSI102L3VWL | SBOR 10 OEX D EB3 WH 3V |
| MSI10NWL DSCNWL | SBOR 10 OEX P EB3 WH |



MOTION SENSOR

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: MSI6NWL

| Series | Lens option | Dimming | Minimum dim level | Environmental factors |
|---------------------------------------|--------------------|--|-------------------|-----------------------|
| MSI Passive infrared occupancy sensor | 6 High mount, 360° | N On\off | 0V Off | WL Wet location |
| | 10 Low mount, 360° | 2LXX Bi level range ¹ | 1V 1VDC | |
| | | CXX Continuous dim range ¹ | 2V 2VDC | |
| | | XA Xpoint wireless signal to external system | 3V 3VDC | |
| | | | 4V 4VDC | |
| | | | 5V 5VDC | |

PHOTOCELL

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: DSCNWL

| Series | Dimming | Environmental factors |
|--|--|-----------------------|
| DSC Passive infrared occupancy sensor with photocell | N On\off | WL Wet location |
| | 2LXX Bi level range ¹ | |
| | CXX Continuous dim range ¹ | |
| | XA Xpoint wireless signal to external system | |

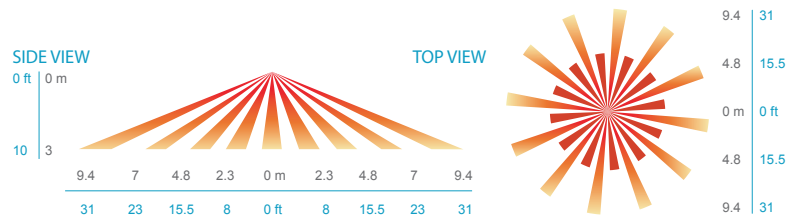
Notes

¹ XX denotes dimming range.(Ex. 3V, 4V, etc.)

COVERAGE PATTERNS

PARKING GARAGE / LOW MOUNT APPLICATIONS

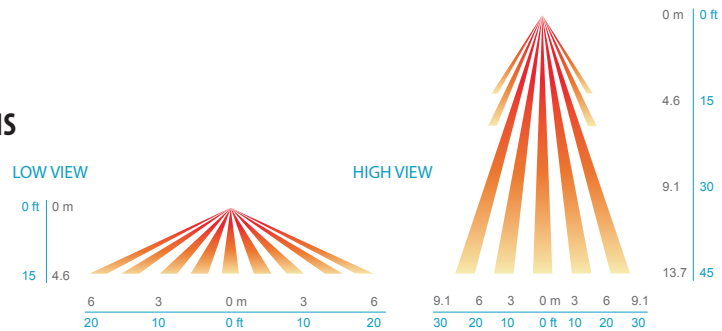
In general, the SBOR 10 is recommended for 8-15 ft (2.44-4.57 m) mounting and provides a coverage area radius for walking motion of greater than 2x the mounting height. The SBOR 10 ODP is ideal for parking garage and low pole mount applications. When mounted 10 ft high, for example, on a luminaire in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



Coverage Pattern of High Mount Lens Option (SBOR 6)