

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal one-for-one replacement of conventional HID and fluorescent high bay systems. Applications include warehousing, manufacturing, gymnasiums, and other large indoor spaces with mounting heights up to 60'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Structural elements such as the channel and end caps are fabricated from steel for maximum rigidity. Wireguard attachment points provided. For high ambient (HA) option, lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 °C for maximum naturally convective cooling.

**OPTICS** — General, narrow, wide and focus distributions available to meet both horizontal and vertical light level requirements. Injection molded refractors for repeatable photometry. Diffuse lens standard to provide glare control and LED protection. Optics are IP5X rated.

**ELECTRICAL** — L88 at 60,000 hours, L70>100,000 hours. Utilizes a 90°C case temperature driver for maximum life at high temperatures. 0.90 power factor and 3kA/6kV level of surge protection is standard. Optional 5kA/10kV surge protection available. Available as 120-277V or 347-480V input.

0-10V dimming standard for a dimming range of 100% to 10%.

**WIRELESS NETWORKING** — XPoint™ Wireless technology creates a mesh network to ensure communication between fixtures, sensors and wall stations facility-wide. This option provides superior lighting management capabilities including granular control, configuration and custom grouping for increased energy savings.

**INSTALLATION** — Suitable for suspension by chain, cable, surface-mounting bracket (THUN accessory), hook monopoint or single (pendant) monopoint. Surface mounting not recommended without optional surface mounting bracket. To maintain ambient listing, fixture should be mounted at a minimum plenum height of 18".

**LISTINGS** — CSA certified to US and Canadian safety standards. Damp location listed. Suitable for ambient temperatures from -40°F (-40°C) to 113°F (45°C) when suspended 18" from ceiling. High ambient option available (HA), suitable for ambient temperatures -40°F (-40°C) to 131°F (55°C) when suspended 18" from ceiling. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Acuity Brands is under license. Other trademarks and trade names are those of their respective owners.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://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.

### Stock configurations are offered for shorter lead times:

| Standard Part Number                            | Stock Part Number | DLC QPL Product ID | DLC Premium? |
|---|-------------------|--------------------|--------------|
| IBG 1200LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 12L MVOLT     | PAMMN2VX           | ✓            |
| IBG 1500LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 15L MVOLT     | P3G6HADN           | ✓            |
| IBG 1800LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 18L MVOLT     | P851GVEP           | ✓            |
| IBG 2400LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 24L MVOLT     | PZBJQY5S           | ✓            |
| IBG 1200LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | IBG 12L HVOLT     | PQ5BU878           | ✓            |
| IBG 1500LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | IBG 15L HVOLT     | PSWUJJP8           | ✓            |
| IBG 1800LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | IBG 18L HVOLT     | PRVPP59D           | ✓            |
| IBG 2400LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | IBG 24L HVOLT     | P2UE1Z54           | ✓            |
| IBG 1200LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 12L MVOLT 5K  | P7TZ4ZV            | ✓            |
| IBG 1500LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 15L MVOLT 5K  | PMXBGZJS           | ✓            |
| IBG 1800LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 18L MVOLT 5K  | P85EZU7            | ✓            |
| IBG 2400LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 24L MVOLT 5K  | PQ5CSK48           | ✓            |
| IBG 1200LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | IBG 12L HVOLT 5K  | PFRXRQKT           | ✓            |
| IBG 1500LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | IBG 15L HVOLT 5K  | PV4M2BP5           | ✓            |
| IBG 1800LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | IBG 18L HVOLT 5K  | PA36YXUT           | ✓            |
| IBG 2400LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | IBG 24L HVOLT 5K  | P5H22E5M           | ✓            |

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

LED High Bay

# IBG



### A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a [shaded background\\*](#)

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

# IBG LED High Bay



A+ Capable options indicated by this color background.

## ORDERING INFORMATION

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

**Example:** IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH

| Series            | Nominal lumens |                           | Performance package |               | Lens                    | Distribution                   | Voltage     | Driver                      | Color temperature                            |            |
|-------------------|----------------|---------------------------|---------------------|---------------|-------------------------|--------------------------------|-------------|-----------------------------|--|------------|
| IBG               | 8000LM         | 8,000 lumens <sup>2</sup> | 30000LM             | 30,000 lumens | SEF Standard efficiency | AFL Acrylic, frosted           | WD Wide     | MVOLT 120-277V              | GZ10 0-10V dimming <sup>7</sup>              | 30K 3000 K |
| IBGN <sup>1</sup> | 12000LM        | 12,000 lumens             | 36000LM             | 36,000 lumens | HEF Premium efficiency  | ACL Clear acrylic              | GND General | HVOLT 347-480V <sup>3</sup> | AZ10 0-10V dimming, aux. output <sup>8</sup> | 35K 3500 K |
|                   | 15000LM        | 15,000 lumens             | 48000LM             | 48,000 lumens |                         | PCL Clear polycarbonate        | ND Narrow   | 120 120V                    |  | 40K 4000 K |
|                   | 18000LM        | 18,000 lumens             | 60000LM             | 60,000 lumens |                         | PFL Semi-diffuse polycarbonate | FD Focus    | 208 208V                    |  | 50K 5000 K |
|                   | 24000LM        | 24,000 lumens             |                     |               |                         | L/LENS Less lens               |             | 240 240V                    |  |            |
|                   |                |                           |                     |               |                         |                                |             | 277 277V                    |  |            |
|                   |                |                           |                     |               |                         |                                |             | 347 347V <sup>4,5</sup>     |  |            |
|                   |                |                           |                     |               |                         |                                |             | 480 480V <sup>4,5,6</sup>   |  |            |

| Coloring rendering index | Options   | Finish               |
|--------------------------|---|----------------------|
| 70CRI 70 CRI             | HA High ambient <sup>9</sup>  | DNA Natural aluminum |
| 80CRI 80 CRI             | SPD Surge protection device <sup>10</sup>   | DWH Gloss white      |
| 90CRI 90 CRI             | BPK Fixture backpack <sup>11</sup>  |                      |
|                          | PS1050 Emergency battery pack 10W, non-CEC compliant <sup>12</sup>  |                      |
|                          | PS10250 Emergency battery pack 10W, non-CEC compliant <sup>13</sup>   |                      |
|                          | PS10250 T20C Emergency battery pack 10W, CEC compliant <sup>13</sup>  |                      |
|                          | PS30250 Emergency battery pack, 30W, non-CEC compliant <sup>14</sup>  |                      |
|                          | BGTD Generator transfer device <sup>15</sup>  |                      |
|                          | SF Single fuse <sup>16</sup>  |                      |
|                          | DF Double fuse <sup>17</sup>  |                      |
|                          | OUTCTR Wiring leads pulled through back center of fixture <sup>18</sup>   |                      |
|                          | OCS RELOC <sup>®</sup> OnePass <sup>®</sup> selectable cable 6' installed <sup>20,21</sup>  |                      |
|                          | OCU RELOC <sup>®</sup> OnePass <sup>®</sup> unselectable cable 6' installed (must specify tap position) <sup>19,21</sup>                                      |                      |
|                          | IMP Integrated modular plug <sup>22</sup>   |                      |
|                          | RRL RELOC <sup>®</sup> -Ready luminaire. (Not available with Haleon sensor options) See page 10 for ordering information                                      |                      |
|                          | WGX Standard wire guard, installed (not available with Haleon sensor)   |                      |
|                          | <b>Cord sets:</b>   |                      |
|                          | CS1W Straight plug, 120V <sup>19</sup>  |                      |
|                          | CS3W Twist-lock, 120V <sup>19</sup>   |                      |
|                          | CS7W Straight plug, 277V <sup>19</sup>  |                      |
|                          | CS11W Twist-lock, 277V <sup>19</sup>  |                      |
|                          | CS25W Twist-lock, 347V <sup>19</sup>  |                      |
|                          | CS97W Twist-lock, 480V <sup>19</sup>  |                      |
|                          | CS93W 600 SO white cord, no plug (no voltage required)  |                      |
|                          | CS93W5CD 600 SO 5-conductor white cord, no plug (no voltage required)   |                      |
|                          | <b>Individual Controls:</b> <sup>23</sup>   |                      |
|                          | HLN360 Haleon 360° High Mount Occ Sensor, pre-wired; Bluetooth <sup>®</sup> 24  |                      |
|                          | HLN360HL Haleon 360° High Mount Occ Sensor w/HL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLN360ADC Haleon 360° High Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLN360ANL Haleon 360° High Mount Occ Sensor w/ANL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLNASL Haleon High Mount Aisleway Occ Sensor, pre-wired; Bluetooth <sup>®</sup> 24  |                      |
|                          | HLNASLHL Haleon High Mount Aisleway Occ Sensor w/HL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLNASLADC Haleon High Mount Aisleway Occ Sensor w/ADC Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLNASLANL Haleon High Mount Aisleway Occ Sensor w/ANL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | LAOZU 360° high mount motion sensor, pre-wired <sup>25</sup>  |                      |
|                          | LAH0SZU 360° high mount motion sensor with dimming, pre-wired <sup>25</sup>   |                      |
|                          | LAPZU 360° high mount motion sensor with photocell, pre-wired <sup>25</sup>   |                      |
|                          | LAM0SZU 360° high mount motion sensor, dimming & switching photocell, pre-wired <sup>25</sup>   |                      |
|                          | C6D0SUEM 360° high mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) <sup>26,27</sup> |                      |
|                          | C10D0SUEM 360° low mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) <sup>26,28</sup> |                      |
|                          | <b>nLight wired:</b> <sup>29</sup>  |                      |
|                          | nPP16D nLight <sup>®</sup> dimming & switching module   |                      |
|                          | nPP16DER nLight <sup>®</sup> dimming & switching module with emergency relay (not available with battery pack or BGTD)  |                      |
|                          | nMSI nLight <sup>®</sup> high mount aisleway motion sensor, pre-wired <sup>30,31</sup>  |                      |
|                          | nMSI360 nLight <sup>®</sup> 360° high mount motion sensor, pre-wired <sup>31,32</sup>   |                      |
|                          | nMSID nLight <sup>®</sup> high mount aisleway motion sensor with dimming, pre-wired <sup>32,33</sup>  |                      |
|                          | nMSI360D nLight <sup>®</sup> 360° high mount motion sensor with dimming, pre-wired <sup>33,34</sup>   |                      |
|                          | <b>nLight wireless:</b>   |                      |
|                          | NLTAIR2 RKOA nLight AIR Generation 2 enabled 360° high mount motion sensor  |                      |
|                          | NLTAIR2 RKOB nLight AIR Generation 2 enabled 360° low mount motion sensor   |                      |
|                          | NLTAIR2 rPP20D nLight AIR Generation 2 dimming and switching module <sup>26,27</sup>  |                      |
|                          | NLTAIR2 rPP20DER nLight AIR Generation 2 dimming and switching module with emergency relay (not available with battery pack or BGTD) <sup>26,27</sup>         |                      |
|                          | <b>X-Point wireless:</b>  |                      |
|                          | MSI6XADL DSCXADL XPoint™ Wireless 360° high mount motion sensor with photocell  |                      |
|                          | XPW XPoint™ Wireless 0-10V relay, external (utilizes XPA CMRBO) 55°C max ambient  |                      |
|                          | XAD XPoint™ Wireless 0-10V relay, internal, lower max ambient (not available with Haleon sensor) <sup>33</sup>  |                      |
|                          | XPWEM XPoint™ Wireless 0-10V relay, external (utilizes XPACMRBOEM) 55°C max ambient, meets UL924 (not available with battery pack or BGTD)                    |                      |
|                          | XAD924 XPoint™ Wireless 0-10V relay, internal, lower max ambient, meets UL924 (not available with battery pack or BGTD) <sup>35</sup>                         |                      |

See Accessories and footnotes on next page

| Accessories: Order as separate catalog number. |   |  |  |
|--|---|--|--|
| <b>Mounting:</b>                               |   | <b>Cord sets and sensors for IMP option:</b> |  |
| IBAC120 M20                                    | Aircraft cable 10' with hook (one pair)   | CS1WIMP                                      | Straight plug, 120V                                      |
| IBAC240 M20                                    | Aircraft cable 20' with hook (one pair)   | CS3WIMP                                      | Twist-lock, 120V   |
| IBHMP  | Hook monopoint  | CS7WIMP                                      | Straight plug, 277V                                      |
| HBBS36   | Chain hanger with chain, 36" (one pair)   | CS11WIMP                                     | Twist-lock, 277V   |
| IBGACVH  | Aircraft 10' V hanger (one pair)  | CS25WIMP                                     | Twist-lock 347V  |
| IBGPMPHB                                       | Pendant monopoint splice box, includes side covers (3/4" hub) for use with OUTCTR option, not available with BPK option | CS93WIMP                                     | 600V 50 white cord, no plug (no voltage required)        |
| THUN   | Tong hanger bracket (order 2 per fixture) <sup>36</sup>   | CS97WIMP                                     | Twist-lock 480V  |
|  |   | MSIIMP1BG                                    | Aisle sensor for use with IMP option                     |
|  |   | MSI360IMP1BG                                 | 360° sensor for use with IMP option                      |
|  |   |  | <b>Wire guards (not available with Haleon sensor):</b>   |
|  |   | WGIBG22                                      | Wire guard for IBG 8000LM; gloss white                   |
|  |   | WGIBG24                                      | Wire guard for IBG 12000/15000LM; gloss white            |
|  |   | WGIBG26                                      | Wire guard for IBG 18000/24000/30000LM; gloss white      |
|  |   | WGIBG42                                      | Wire guard for all IBGN lumen packages; gloss white      |
|  |   | WGIBG46                                      | Wire guard for IBG 36000/48000/60000LM; gloss white      |
|  |   | WGIBG22DNA                                   | Wire guard for IBG 8000LM; natural aluminum              |
|  |   | WGIBG24DNA                                   | Wire guard for IBG 12000/15000LM; natural aluminum       |
|  |   | WGIBG26DNA                                   | Wire guard for IBG 18000/24000/30000LM; natural aluminum |
|  |   | WGIBG42DNA                                   | Wire guard for all IBGN lumen packages; natural aluminum |
|  |   | WGIBG46DNA                                   | Wire guard for IBG 36000/48000/60000LM; natural aluminum |

- Available with 18000LM, 24000LM, 30000LM and 36000LM only.
- 8,000LM not available with HVOLT, 347, 480, or Haleon sensor controls.
- Not available with 8000LM. Not available with BTGD, nPP16D, nPP16DER, PS1050, PS10250, PS30250, NLTAIR2 RPP20D, NLTAIR2 RPP20DER or XAD options.
- When ordered with 8000LM or Xpoint controls voltage selected utilizes the fixture back pack.
- Not available with NLTAIR2 RPP20D and NLTAIR2 RPP20DER options.
- Not available with nPP16D or nPP16DER.
- Not available with Haleon sensor control options.
- Required with Haleon sensor control options.
- 55 C when suspended, 45 C when surface mounted. Not available with BGTD, PS1050, PS10250, PS30250 or XAD.
- Standard with HVOLT, 347, or 480V - only specify for MVOLT, 120, 208, 240, or 277V when additional surge protection is needed. Standard with Motion sensors/ controls, BGTD & Power Sentry battery options.
- Required with PS1050, PS10250, PS30250, BGTD. Required with 8000LM when ordered with 347/480V. Required with Xpoint controls when ordered with 347/480V. Not available with nLight. Not for use with THUN mount (surface).
- Requires BPK option. Available 120-277V only. Available with 8000LM only. Not available with IMP. See spec sheet PS1050 for more information. For use in ambient temperatures 32° F to 113° F.
- Requires BPK option. Available 120-277V only. Not available with 8000LM. Not available with IMP. Only available for factory installation. See spec sheet PS10250 for more information. For use in ambient temperatures 50° F to 113° F.
- Requires BPK option. 120 or 277V only. Not available with 8000LM. Not available with IMP. See spec sheet PS30250 for more information. For use in ambient temperatures 32° F to 112° F.
- Requires BPK option. 120 or 277V only. Not available with PS1050, PS10250, PS30250 or HA. Not available with 347 or 480V when ordered in combination with XAD or XPW. For ambient temperatures up to 104° F (40° C).
- Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
- Available on 208, 240, 480V and Haleon sensors. Not available with MVOLT or HVOLT.
- Not available with BPK option. Requires IBGPMPHB accessory to mount fixture. Not available with Cord Set options.
- Must specify voltage.
- Cannot be used in dimming applications, must use RRLC12S.
- Fixture will bear dry location label.
- Not available with BPK, nPP16D, nPP16DER, nMSI, nMSI360, PS1050, PS10250, or PS30250.
- Must specify voltage. Refer to page 7 for Haleon sensor default settings matrix. Refer to page 9 for additional LSXR ordering options. Refer to page 10 for additional C6D0SUEM and C10D0SUEM information.
- RRL option not available. Not available with OUTCTR.
- This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 9 for low temperature option providing -4°F (-20°C) minimum ambient temperature.
- Daylight harvesting functionality not enabled by default. See page 10 for default sequence of operation.
- Utilizes XPA CMRB6.
- Utilizes XPA CMRB10.
- Not available with 208, 240, or 480V. Not available with HA option.
- nMSI options utilizes a nPP16 and nCMB 50 sensor, CAT5e connector cable also included.
- nMSI360 options utilizes a nPP16 and nCMB 6 sensor, CAT5e connector cable also included.
- nMSID options utilizes a nPP16D and nCMB 50 sensor CAT5e connector cable also included.
- nMSI360D options utilizes a nPP16D and nCMB 6 sensor, CAT5e connector cable also included.
- NLTAIR2 RPP20D and NLTAIR2 RPP20DER not available with BPK, battery pack options, BGTD, 347, or 480V. Not available with HA.
- Not available with HVOLT. When ordered with 347V or 480V, BPK option is required. Not available with HA option.
- Maximum ambient temperature of standard fixture mounted with THUN is 95°F (35°C). With HA option 113°F (45°C). Not available with MSIIMP1BG or MSI360IMP1BG options.

## POWER SENTRY EMERGENCY BATTERY PACKS

|                 |   |
|-----------------|---|
| <b>PS1050:</b>  | <a href="http://www.acuitybrands.com/products/detail/369448/Power-Sentry/PS1050/Reduced-Profile-LED-Emergency-Battery-Pack/-/media/products/Power_Sentry/369448/document/PS1050_pdf.pdf">http://www.acuitybrands.com/products/detail/369448/Power-Sentry/PS1050/Reduced-Profile-LED-Emergency-Battery-Pack/-/media/products/Power_Sentry/369448/document/PS1050_pdf.pdf</a> |
| <b>PS10250:</b> | <a href="http://www.acuitybrands.com/products/detail/604737/Power-Sentry/PS10250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604737/document/PS10250_pdf.pdf">http://www.acuitybrands.com/products/detail/604737/Power-Sentry/PS10250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604737/document/PS10250_pdf.pdf</a>                         |
| <b>PS30250:</b> | <a href="http://www.acuitybrands.com/products/detail/604739/Power-Sentry/PS30250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604739/document/PS30250_pdf.pdf">http://www.acuitybrands.com/products/detail/604739/Power-Sentry/PS30250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604739/document/PS30250_pdf.pdf</a>                         |

## EMERGENCY LUMENS AFL GND (500K 70CRI)

Delivered lumens calculation provided on battery spec sheet does not represent emergency lumen output on IBG product. Forward voltage does not match constant current design in all cases. See chart below for IBG lumen output in emergency mode.

| Fixture               | IBG                  |                   |                   | IBGN              |
|-----------------------|----------------------|-------------------|-------------------|-------------------|
|                       | 8000LM (PS1050 only) | 12000LM - 15000LM | 18000LM - 60000LM | 18000LM - 36000LM |
| <b>PS1050/PS10250</b> | 1600                 | 1300              | 1900              | 1200              |
| <b>PS30250</b>        | N/A                  | 4000              | 2400              | 3800              |

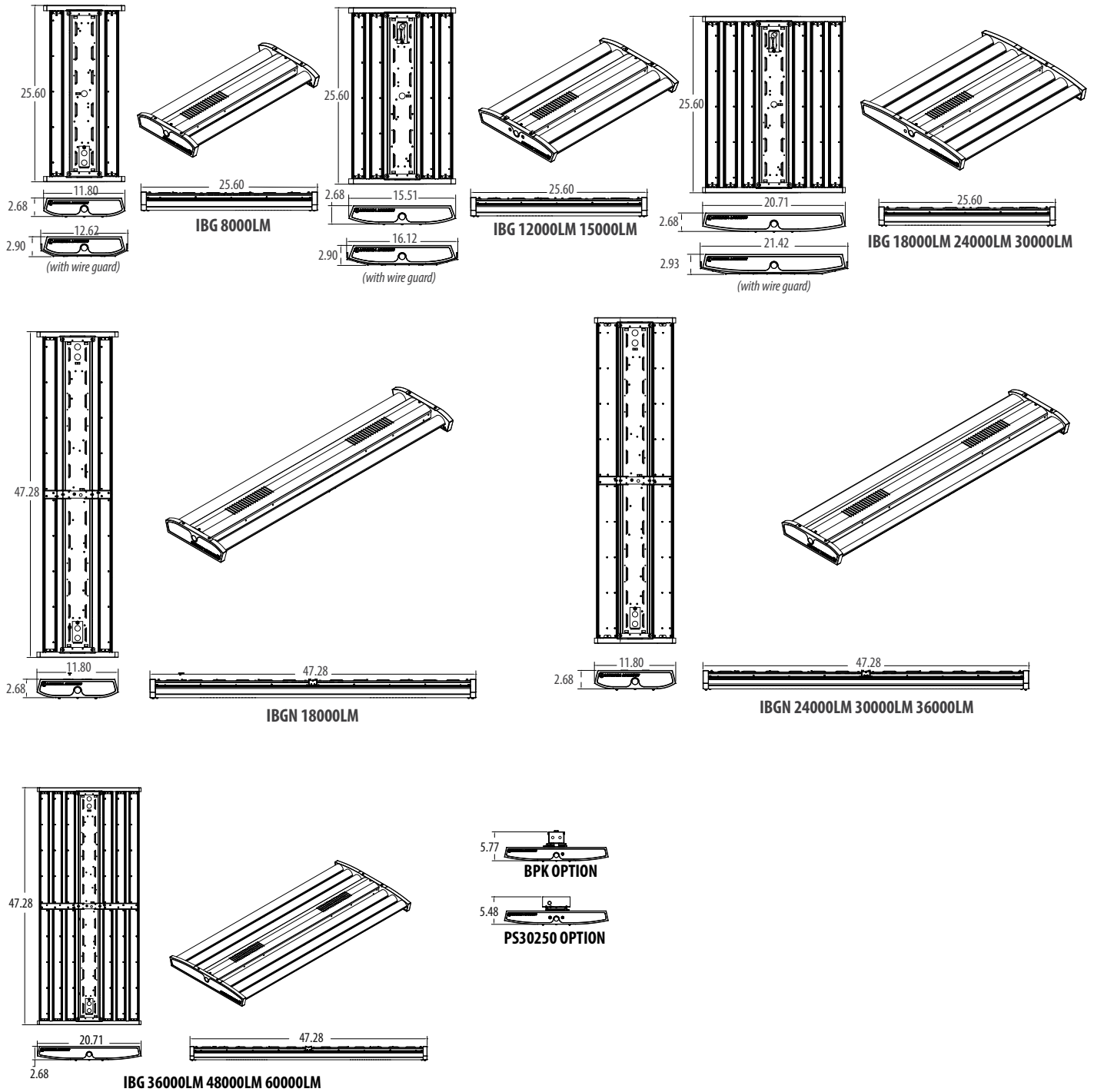
**Note:** For emergency lumen output of specific model, please consult factory.

# IBG LED High Bay

## DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.  
Dimensions may vary with options or accessories.

Weight: (may vary with options or accessories)  
 8L: 7.75 lbs (3.515Kg)  
 12L/15L: 10.5 lbs (4.762Kg)  
 18L/24L/30L: 15.9 lbs (7.212Kg)  
 18L/24L/30L/36L: 4' Narrow - 16.25 lbs (7.370Kg)  
 36L/48L/60L: 4' - 6' Mod - 21.75 lbs (9.865Kg)



## IBG OPERATIONAL DATA

|                                      | Lumen package | Efficiency level | Lens/distribution        |                      |                    |                     |
|--------------------------------------|---------------|------------------|--------------------------|----------------------|--------------------|---------------------|
|                                      |               |                  | Acrylic frosted/ general | Clear acrylic/narrow | Clear acrylic/wide | Clear acrylic/focus |
| <b>Delivered lumens 4000K, 80CRI</b> | 8000LM        | SEF              | 7594                     | 7145                 | 7384               | 7364                |
|                                      |               | HEF              | 7842                     | 7378                 | 7625               | 7604                |
|                                      | 12000LM       | SEF              | 11580                    | 10895                | 11260              | 11228               |
|                                      |               | HEF              | 11746                    | 11051                | 11421              | 11390               |
|                                      | 15000LM       | SEF              | 14458                    | 13603                | 14059              | 14019               |
|                                      |               | HEF              | 14824                    | 13947                | 14415              | 14374               |
|                                      | 18000LM       | SEF              | 17329                    | 16303                | 16850              | 16803               |
|                                      |               | HEF              | 17752                    | 16702                | 17262              | 17214               |
|                                      | 24000LM       | SEF              | 23000                    | 21639                | 22365              | 22303               |
|                                      |               | HEF              | 23612                    | 22215                | 22960              | 22896               |
|                                      | 30000LM       | SEF              | 27344                    | 25727                | 26589              | 26515               |
|                                      |               | HEF              | 29577                    | 27827                | 28760              | 28680               |
|                                      | 36000LM       | SEF              | 33203                    | 31239                | 34547              | 32197               |
|                                      |               | HEF              | 35528                    | 33426                | 34547              | 34450               |
|                                      | 48000LM       | SEF              | 45973                    | 43253                | 44704              | 44579               |
|                                      |               | HEF              | 47254                    | 44458                | 45949              | 45821               |
|                                      | 60000LM       | SEF              | 55453                    | 52172                | 53922              | 53771               |
|                                      |               | HEF              | 57027                    | 53653                | 55452              | 55298               |
| <b>Delivered lumens 5000K, 80CRI</b> | 8000LM        | SEF              | 7873                     | 7408                 | 7656               | 7635                |
|                                      |               | HEF              | 8082                     | 7604                 | 7859               | 7837                |
|                                      | 12000LM       | SEF              | 12006                    | 11296                | 11674              | 11642               |
|                                      |               | HEF              | 12106                    | 11390                | 11771              | 11739               |
|                                      | 15000LM       | SEF              | 14990                    | 14103                | 14576              | 14536               |
|                                      |               | HEF              | 15278                    | 14374                | 14856              | 14815               |
|                                      | 18000LM       | SEF              | 17966                    | 16904                | 17470              | 17422               |
|                                      |               | HEF              | 18296                    | 17214                | 17791              | 17741               |
|                                      | 24000LM       | SEF              | 23847                    | 22436                | 23188              | 23123               |
|                                      |               | HEF              | 24366                    | 22896                | 23664              | 23598               |
|                                      | 30000LM       | SEF              | 28351                    | 26674                | 27568              | 27491               |
|                                      |               | HEF              | 30483                    | 28680                | 29641              | 29559               |
|                                      | 36000LM       | SEF              | 34221                    | 32196                | 35605              | 33183               |
|                                      |               | HEF              | 36616                    | 34450                | 35605              | 35506               |
|                                      | 48000LM       | SEF              | 47665                    | 44845                | 46349              | 46220               |
|                                      |               | HEF              | 48702                    | 45820                | 47357              | 47225               |
|                                      | 60000LM       | SEF              | 57494                    | 54093                | 55906              | 55751               |
|                                      |               | HEF              | 58774                    | 55297                | 57151              | 56992               |

## PHOTOMETRICS

See [www.lithonia.com](http://www.lithonia.com).

## IBG CHARACTERISTICS

| Lumen package | Wattage             |      |      |      |                 |      |      |      | Length   | Width | Depth | Comparable Light Source             |
|---------------|---------------------|------|------|------|-----------------|------|------|------|--|-------|-------|-------------------------------------|
|               | Standard efficiency |      |      |      | High efficiency |      |      |      |  |       |       |                                     |
|               | 120V                | 277V | 347V | 480V | 120V            | 277V | 347V | 480V | Dimensions are shown in inches (centimeters) unless otherwise noted. |       |       |                                     |
| 8000LM        | 55                  | 54   | 58   | 61   | 50              | 49   | 51   | 54   | 25.6   | 11.75 | 2.75  | 100W MH, 4-lamp T8 NBF              |
| 12000LM       | 79                  | 77   | 77   | 76   | 70              | 69   | 68   | 67   | 25.6   | 15.52 | 2.75  | 175W MH, 4-lamp T8 HBF, 2-lamp T5HO |
| 15000LM       | 97                  | 95   | 97   | 96   | 87              | 86   | 86   | 86   | 25.6   | 15.52 | 2.75  | 200W MH, 6-lamp T8 NBF              |
| 18000LM       | 114                 | 112  | 114  | 115  | 102             | 100  | 102  | 103  | 25.6   | 20.65 | 2.75  | 250W MH, 6-lamp T8 HBF, 4-lamp T5HO |
| 24000LM       | 154                 | 150  | 150  | 150  | 136             | 133  | 135  | 135  | 25.6   | 20.65 | 2.75  | 400W MH, 6-lamp T5HO                |
| 30000LM       | 193                 | 186  | 188  | 188  | 176             | 171  | 173  | 173  | 25.6   | 20.65 | 2.75  | 575W MH, 10-lamp T8 HBF             |
| 36000LM       | 225                 | 221  | 227  | 229  | 200             | 197  | 203  | 206  | 47.29  | 20.65 | 2.75  | 750W MH, 8-lamp T5HO                |
| 48000LM       | 301                 | 293  | 301  | 302  | 267             | 261  | 269  | 270  | 47.29  | 20.65 | 2.75  | 875W MH, 10-lamp T5HO               |
| 60000LM       | 385                 | 374  | 378  | 377  | 332             | 323  | 330  | 330  | 47.29  | 20.65 | 2.75  | 1000W MH                            |

## IBGN OPERATIONAL DATA

|                               | Lumen package | Efficiency level | Lens/distribution             |                      |                    |                     |
|-------------------------------|---------------|------------------|-------------------------------|----------------------|--------------------|---------------------|
|                               |               |                  | Acrylic frosted/ general      | Clear acrylic/narrow | Clear acrylic/wide | Clear acrylic/focus |
|                               |               |                  | Delivered lumens 4000K, 80CRI | 18000LM              | SEF                | 17036               |
| HEF                           | 17776         | 16724            |                               |                      | 17285              | 17237               |
| 24000LM                       | SEF           | 22727            |                               | 21383                | 22100              | 22038               |
|                               | HEF           | 24123            |                               | 22696                | 23457              | 23392               |
| 30000LM                       | SEF           | 28642            |                               | 26948                | 27851              | 27773               |
|                               | HEF           | 29493            |                               | 27748                | 28679              | 28599               |
| 36000LM                       | SEF           | 34336            | 32305                         | 33388                | 33295              |                     |
|                               | HEF           | 34912            | 32846                         | 33948                | 33853              |                     |
| Delivered lumens 5000K, 80CRI | 18000LM       | SEF              | 17663                         | 16618                | 17175              | 17128               |
|                               |               | HEF              | 18320                         | 17237                | 17814              | 17765               |
|                               | 24000LM       | SEF              | 23564                         | 22170                | 22913              | 22849               |
|                               |               | HEF              | 24862                         | 23391                | 24176              | 24108               |
|                               | 30000LM       | SEF              | 29696                         | 27940                | 28876              | 28796               |
|                               |               | HEF              | 30397                         | 28599                | 29558              | 29475               |
|                               | 36000LM       | SEF              | 35600                         | 33494                | 34617              | 34520               |
|                               |               | HEF              | 35982                         | 33853                | 34988              | 34890               |

## IBGN CHARACTERISTICS

| Lumen package | Wattage             |      |      |      |                 |      |      |      | Length   | Width | Depth |
|---------------|---------------------|------|------|------|-----------------|------|------|------|--|-------|-------|
|               | Standard efficiency |      |      |      | High efficiency |      |      |      |  |       |       |
|               | 120V                | 277V | 347V | 480V | 120V            | 277V | 347V | 480V | Dimensions are shown in inches (centimeters) unless otherwise noted. |       |       |
| 18000LM       | 117                 | 114  | 115  | 114  | 104             | 102  | 101  | 101  | 47.29  | 11.75 | 2.75  |
| 24000LM       | 172                 | 170  | 167  | 167  | 152             | 150  | 153  | 153  | 47.29  | 11.75 | 2.75  |
| 30000LM       | 209                 | 205  | 208  | 207  | 183             | 180  | 179  | 178  | 47.29  | 11.75 | 2.75  |
| 36000LM       | 246                 | 240  | 242  | 243  | 207             | 203  | 202  | 201  | 47.29  | 11.75 | 2.75  |

## PROJECTED LUMEN MAINTENANCE

| IBG 2ft & 4ft            |   |        |        |        |        |         |
|--------------------------|---|--------|--------|--------|--------|---------|
| Operating hours          | 0 | 15,000 | 30,000 | 45,000 | 60,000 | 100,000 |
| Lumen maintenance factor | 1 | 0.97   | 0.95   | 0.93   | 0.91   | 0.86    |
| IBGN                     |   |        |        |        |        |         |
| Operating hours          | 0 | 15,000 | 30,000 | 45,000 | 60,000 | 100,000 |
| Lumen maintenance factor | 1 | 0.97   | 0.93   | 0.90   | 0.87   | 0.81    |

## LUMENS VS. AMBIENT TEMPERATURE

| Ambient °C | Ambient °F | Lumen Multiplier |
|------------|------------|------------------|
| 0          | 32         | 1.04             |
| 5          | 41         | 1.03             |
| 10         | 50         | 1.02             |
| 20         | 68         | 1.01             |
| 25         | 77         | 1.00             |
| 30         | 86         | 0.99             |
| 35         | 95         | 0.99             |
| 40         | 104        | 0.98             |
| 45         | 113        | 0.97             |
| 50         | 122        | 0.96             |
| 55         | 131        | 0.96             |

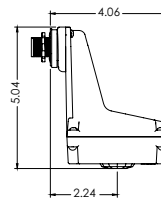
## AMBIENT TEMPERATURE RATINGS

| Mounting                     | Suspended    | Surface      |
|------------------------------|--------------|--------------|
| Standard temperature rating  | 113°F (45°C) | 95°F (35°C)  |
| HA option temperature rating | 131°F (55°C) | 113°F (45°C) |

## nLIGHT® AIR Dimming and Photo Sensor



See [rSBOR](#) spec sheet for additional information.



Drawing for dimensional information only. Fixture will ship with snap mount option and not threaded nipple.

## HALEON - Integrated Occupancy Sensor with Bluetooth® Programmability

- Programmable sensor settings over Bluetooth® with Acuity VLP smartphone app.
- Default programming options to service various application spaces - occupancy detection, 0-10V dimming and daylight harvesting.
- 360° High Mount and High Mount Aisleway lens detection options for mounting heights up to 40 ft.
- Integrated retractable lens mask included to block unwanted detection.
- Sensor ambient temperature rating of -40°F (-40°C) to 158°F (70°C).



## Haleon Default Programming

| Model     | Default Operation  | LSXR Equivalent          | Occupancy Time Delay | Photocell Mode    | Photocell Set-point | Low Trim | High Trim | Dim to Off Time Delay |
|-----------|--|--------------------------|----------------------|-------------------|---------------------|----------|-----------|-----------------------|
| HLNxxx    | On/Off Occupancy Only                                    | LSXR 6 LT or LA00STU     | 10 minutes           | Disabled          | n/a                 | n/a      | 100%      | Disabled              |
| HLNxxxHL  | Occupancy w/ 0-10V Dimming (High/Low/Off)                | LSXR 6 HL LT or LAH0STU  | 10 minutes           | Disabled          | n/a                 | 10%      | 100%      | 2.5 minutes           |
| HLNxxxADC | Occupancy w/ Dim & Switch Photocell                      | LSXR 6 ADC LT or LAM0STU | 10 minutes           | On/Off & Auto Dim | 50 fc               | 10%      | 100%      | 0 seconds             |
| HLNxxxANL | Dim & Switch Photocell with High/Low Occupancy Operation | LSXR 6 ANL LT or LAG0STU | 10 minutes           | On/Off & Auto Dim | 50 fc               | 10%      | 100%      | Stay Dim/ Never Off   |

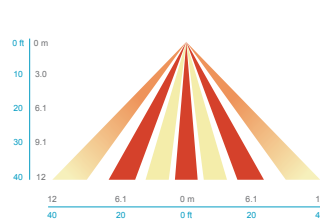
Note: Lens detection noted in place of 'xxx'

## HALEON COVERAGE PATTERNS

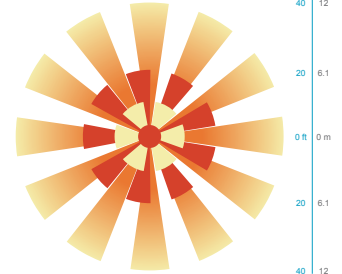
### HIGH MOUNT 360°

- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired

SIDE VIEW



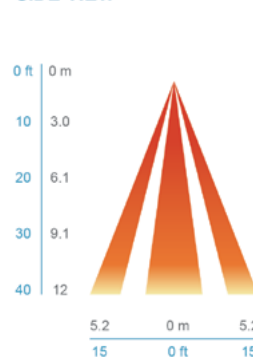
TOP VIEW



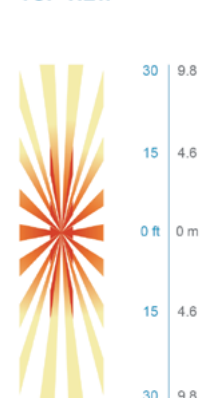
### HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aisleways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.2X's mounting height equals approximate detection range
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired

SIDE VIEW



TOP VIEW





## LSXR – Fixture Mount Occupancy Sensor (see [www.AcuityControls.com](http://www.AcuityControls.com) for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration  | Comparable CMRB sensor | Old style sensor nomenclature |
|---|------------------------|-------------------------------|
| <b>For shortest lead times use one of the following LSXR configurations</b> |                        |                               |
| LCOZU   | CMRB 50                | MSI                           |
| LCH0SZU   | CMRB 50 D              | MSID                          |
| LCPZU   | CMRB 50 P              | MSIPED                        |
| LAOZU   | CMRB 6                 | MSI360                        |
| LAH0SZU   | CMRB 6 D               | MSI360D                       |
| LAPZU   | CMRB 6 P               | MSI360PED                     |



### SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

#### SINGLE RELAY

##### ORDERING INFORMATION

**Example:** LAH0SZU

| Series  | Lens option           | Dimming/Photocell   | Max. dim level | Min. dim level                 | Temp/Humidity                  | Default occupancy time delay |   |
|---|-----------------------|---|----------------|--------------------------------|--------------------------------|------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360°    | O None <sup>1</sup>   | 0 10 VDC       | S Minimum dim level of ballast | Z None                         | I 30 sec                     |   |
|   |                       | H High/low occupancy operation                                      | 9 9 VDC        |                                | T Low temperature <sup>2</sup> | D 2.5 min                    |   |
|   | B Low mount, 360°     | P Switching photocell (on/off) <sup>1</sup>                         | 8 8 VDC        |                                | 1 1 VDC                        | X 5.0 min                    |   |
|   |                       | M Dimming and switching photocell                                   | 7 7 VDC        |                                | 2 2 VDC                        | R 7.5 min                    |   |
|   | C High mount aisleway | G Dimming and switching photocell with high/low occupancy operation |                |                                | 3 3 VDC                        | 4 4 VDC                      | U 10.0 min (with minimum 15 minute on time) |
|   |                       |   |                |                                | 5 5 VDC                        | 5 5 VDC                      | V 15.0 min                                  |
|   |                       |   |                |                                | 6 6 VDC                        | 6 6 VDC                      | W 20.0 min                                  |
|   |                       |   |                |                                | Y 30.0 min                     |                              |   |

#### Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

#### DUAL RELAY (Available with 120, 277, and 347V only)

##### ORDERING INFORMATION

**Example:** LA2KZU

| Series  | Lens option  | Poles        | Operating mode                                     | Temp/Humidity                  | Default occupancy time delay                |
|---|--|--------------|--|--------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360°<br>B Low mount, 360°<br>C High mount aisleway | 2 Dual relay | J None   | Z None                         | I 30 sec                                    |
|   |  |              | K Alternating off relays (promotes even lamp wear) | T Low temperature <sup>1</sup> | D 2.5 min                                   |
|   |  |              | O Alternating off relays w/photocell               |                                | X 5.0 min                                   |
|   |  |              | P Switching photocell(on/off)                      |                                | R 7.5 min                                   |
|   |  |              | E Photocell on/off (pole 1 only)                   |                                | U 10.0 min (with minimum 15 minute on time) |
|   |  |              | F Photocell on/off - both poles (dual set-point)   |                                | V 15.0 min                                  |
|   |  |              |  |                                | W 20.0 min                                  |
|   |  |              |  |                                | Y 30.0 min                                  |

#### Notes

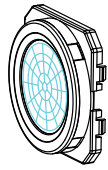
- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

**Example:** LENS 50 J100

| Replacement lenses: Order as separate catalog number. |                        |                     |
|---|------------------------|---------------------|
| Series  | Lens type              | Package quantity    |
| LENS  | 6 High mount 360°      | [blank] Single Lens |
|   | 10 Low mount 360°      | J10 10-pack         |
|   | 50 High mount aisleway | J100 100-pack       |

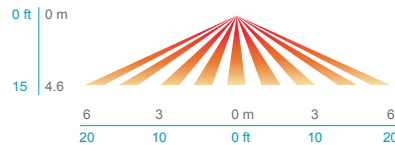
## LSXR COVERAGE PATTERNS

### HIGH MOUNT 360° LENS (#6)

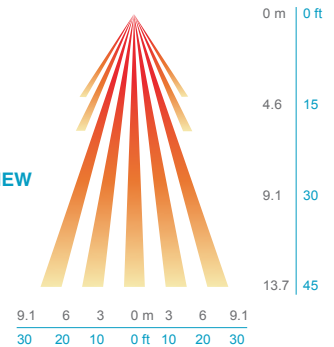


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height

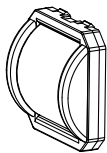
LOW VIEW



HIGH VIEW

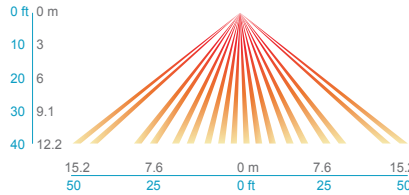


### HIGH MOUNT AISLEWAY LENS (#50)

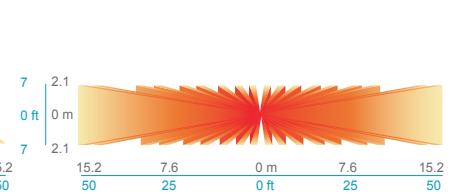


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

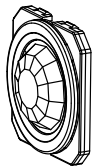
SIDE VIEW



TOP VIEW

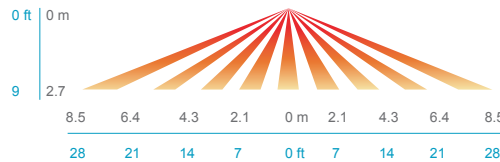


### LOW MOUNT 360° LENS (#10)

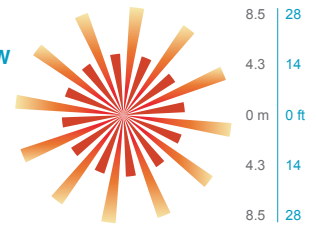


- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft<sup>2</sup>) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when walking across beams compared to into beams

SIDE VIEW



TOP VIEW



## C6DOSUEM & C10DOSUEM - UL924 Listed Sensors

### SENSOR DEFAULT SEQUENCE OF OPERATION

- The occupied light level is full output.
- The unoccupied light level is approximately 30%.
- The time delay following sensor vacancy is 5 minutes, with an additional 5 minute slow ramp from the occupied light level to the unoccupied light level.
- **The onboard daylight sensor is not enabled by default - sensor will not respond to changing daylight conditions.**

Daylight sensor settings can be enabled and programmed by a trained technician after installation.

### EGRESS MODE SEQUENCE OF OPERATION

The UL924 C6DOSUEM & C10DOSUEM controls are designed to provide fully tuned light output for 90 minutes following power loss or interruption, ignoring automatic dimming/occupancy/daylight control signals during this time.

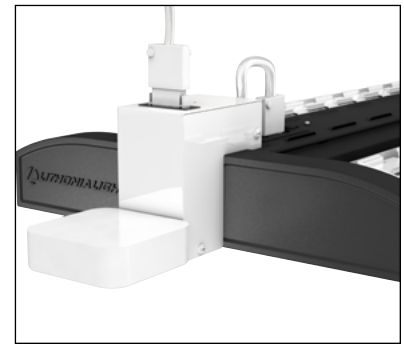
- Typical sequence upon power loss: Backup power source activates, transfer switch moves the emergency circuit powering the sensor onto the backup source, and sensor regains power. This sensor is programmed to detect any power interruption or transfer > 30 ms
- The sensor then ignores occupancy & daylight status and controls the luminaire to full light output for 90 minutes.
- The device resumes normal dimming & occupancy controls after 90 minutes.
- This sensor should not be used with online power backup systems or any transfer devices with < 30 ms transfer time.

## IMP - Integrated Modular Plug

- The integrated modular plug (IMP) option allows the installer to plug and play a multitude of accessories.
- Cord sets connect quickly to any fixture with IMP option.
- IMP accessories include occupancy sensors, photocells, X-point relays.

| IMP compatible cord sets <sup>1</sup> |                                |
|---------------------------------------|--------------------------------|
| CS1WIMP                               | Straight plug, 120V            |
| CS3WIMP                               | Twist-lock, 120V               |
| CS7WIMP                               | Straight plug, 277V            |
| CS11WIMP                              | Twist-lock, 277V               |
| CS25WIMP                              | Twist-lock, 347V               |
| CS93WIMP                              | 600V SE00W white cord, no plug |
| CS97WIMP                              | Twist-lock, 480V               |

| IMP compatible sensors |              |
|------------------------|--------------|
| MSIMP                  | Aisle sensor |
| MSI360IMP              | 360° sensor  |



### Notes

- 1 Cord set required for fixture operation. All cord sets are 18/3, 6' white.

## RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.



### ORDERING INFORMATION

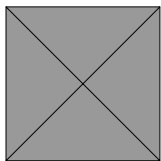
Lead times will vary depending on options selected. Consult with your sales representative.

**Example: RRLA**

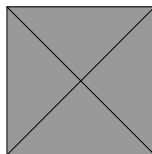
| Series                     | Wiring instructions |  |      |  |
|----------------------------|---------------------|--|------|--|
| RRL RELOC®-ready luminaire | A                   | Hot conductor wired to position #1 (phase A); non-dimming  | AE   | Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming <sup>2</sup>  |
|                            | B                   | Hot conductor wired to position #2 (phase B); non-dimming  | ABE  | Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B), inverter conductor wired to position #3 (phase C); non-dimming <sup>1,2</sup> |
|                            | C                   | Hot conductor wired to position #3 (phase C); non-dimming <sup>1</sup>   | C12S | Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3; dimming <sup>1,3</sup>                             |
|                            | AB                  | Outboard hot conductor wired to position #1 (phase A), inboard hot conductor wired to position #2 (phase B); non-dimming |      |  |

## Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)

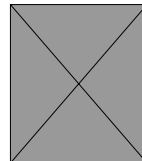
(click to view RELOC product page for more information)



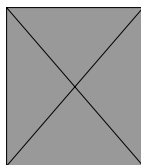
OCS



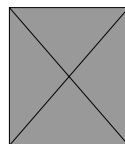
OCU



OD



DC



PT

### Notes

- 1 C, ABE, and C12S options are not used with Quick-Flex QFC, QSFC, QPT, and QD.
- 2 AE and ABE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode.
- 3 C12S option is used with the OnePass OD and 820 SSC, PT, and DC for 0-10V/DALI applications.

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal one-for-one replacement of conventional HID and fluorescent high bay systems. Applications include warehousing, manufacturing, gymnasiums, and other large indoor spaces with mounting heights up to 60'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

**CONSTRUCTION** — Structural elements such as the channel and end caps are fabricated from steel for maximum rigidity. Wireguard attachment points provided. For high ambient (HA) option, lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 °C for maximum naturally convective cooling.

**OPTICS** — General, narrow, wide and focus distributions available to meet both horizontal and vertical light level requirements. Injection molded refractors for repeatable photometry. Diffuse lens standard to provide glare control and LED protection. Optics are IP5X rated.

**ELECTRICAL** — L88 at 60,000 hours, L70>100,000 hours. Utilizes a 90°C case temperature driver for maximum life at high temperatures. 0.90 power factor and 3kA/6kV level of surge protection is standard. Optional 5kA/10kV surge protection available. Available as 120-277V or 347-480V input.

0-10V dimming standard for a dimming range of 100% to 10%.

**WIRELESS NETWORKING** — XPoint™ Wireless technology creates a mesh network to ensure communication between fixtures, sensors and wall stations facility-wide. This option provides superior lighting management capabilities including granular control, configuration and custom grouping for increased energy savings.

**INSTALLATION** — Suitable for suspension by chain, cable, surface-mounting bracket (THUN accessory), hook monopoint or single (pendant) monopoint. Surface mounting not recommended without optional surface mounting bracket. To maintain ambient listing, fixture should be mounted at a minimum plenum height of 18".

**LISTINGS** — CSA certified to US and Canadian safety standards. Damp location listed. Suitable for ambient temperatures from -40°F (-40°C) to 113°F (45°C) when suspended 18" from ceiling. High ambient option available (HA), suitable for ambient temperatures -40°F (-40°C) to 131°F (55°C) when suspended 18" from ceiling. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Acuity Brands is under license. Other trademarks and trade names are those of their respective owners.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://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.

### Stock configurations are offered for shorter lead times:

| Standard Part Number                            | Stock Part Number       | DLC QPL Product ID | DLC Premium? |
|---|-------------------------|--------------------|--------------|
| IBG 1200LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | <b>IBG 12L MVOLT</b>    | <b>PAMMN2VX</b>    | ✓            |
| IBG 1500LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | <b>IBG 15L MVOLT</b>    | <b>P3G6HADN</b>    | ✓            |
| IBG 1800LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | <b>IBG 18L MVOLT</b>    | <b>P851GVEP</b>    | ✓            |
| IBG 2400LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | <b>IBG 24L MVOLT</b>    | <b>PZBJQY5S</b>    | ✓            |
| IBG 1200LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | <b>IBG 12L HVOLT</b>    | <b>PQ5BU878</b>    | ✓            |
| IBG 1500LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | <b>IBG 15L HVOLT</b>    | <b>PSWUJJP8</b>    | ✓            |
| IBG 1800LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | <b>IBG 18L HVOLT</b>    | <b>PRVPP59D</b>    | ✓            |
| IBG 2400LM SEF AFL GND HVOLT GZ10 40K 80CRI DWH | <b>IBG 24L HVOLT</b>    | <b>P2UE1Z54</b>    | ✓            |
| IBG 1200LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | <b>IBG 12L MVOLT 5K</b> | <b>P7TZ4ZV</b>     | ✓            |
| IBG 1500LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | <b>IBG 15L MVOLT 5K</b> | <b>PMX8GZJS</b>    | ✓            |
| IBG 1800LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | <b>IBG 18L MVOLT 5K</b> | <b>P85EZU7</b>     | ✓            |
| IBG 2400LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | <b>IBG 24L MVOLT 5K</b> | <b>PQ5CSK48</b>    | ✓            |
| IBG 1200LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | <b>IBG 12L HVOLT 5K</b> | <b>PFRXRQKT</b>    | ✓            |
| IBG 1500LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | <b>IBG 15L HVOLT 5K</b> | <b>PV4M2BP5</b>    | ✓            |
| IBG 1800LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | <b>IBG 18L HVOLT 5K</b> | <b>PA36YXUT</b>    | ✓            |
| IBG 2400LM SEF AFL GND HVOLT GZ10 50K 80CRI DWH | <b>IBG 24L HVOLT 5K</b> | <b>P5H22E5M</b>    | ✓            |

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

LED High Bay

# IBG



### A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background**\*

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

# IBG LED High Bay



A+ Capable options indicated by this color background.

## ORDERING INFORMATION

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

**Example:** IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH

| Series            | Nominal lumens |                           | Performance package |               | Lens                    | Distribution                   | Voltage     | Driver                      | Color temperature                            |            |
|-------------------|----------------|---------------------------|---------------------|---------------|-------------------------|--------------------------------|-------------|-----------------------------|--|------------|
| IBG               | 8000LM         | 8,000 lumens <sup>2</sup> | 30000LM             | 30,000 lumens | SEF Standard efficiency | AFL Acrylic, frosted           | WD Wide     | MVOLT 120-277V              | GZ10 0-10V dimming <sup>7</sup>              | 30K 3000 K |
| IBGN <sup>1</sup> | 12000LM        | 12,000 lumens             | 36000LM             | 36,000 lumens | HEF Premium efficiency  | ACL Clear acrylic              | GND General | HVOLT 347-480V <sup>3</sup> | AZ10 0-10V dimming, aux. output <sup>8</sup> | 35K 3500 K |
|                   | 15000LM        | 15,000 lumens             | 48000LM             | 48,000 lumens |                         | PCL Clear polycarbonate        | ND Narrow   | 120 120V                    |  | 40K 4000 K |
|                   | 18000LM        | 18,000 lumens             | 60000LM             | 60,000 lumens |                         | PFL Semi-diffuse polycarbonate | FD Focus    | 208 208V                    |  | 50K 5000 K |
|                   | 24000LM        | 24,000 lumens             |                     |               |                         | L/LENS Less lens               |             | 240 240V                    |  |            |
|                   |                |                           |                     |               |                         |                                |             | 277 277V                    |  |            |
|                   |                |                           |                     |               |                         |                                |             | 347 347V <sup>4,5</sup>     |  |            |
|                   |                |                           |                     |               |                         |                                |             | 480 480V <sup>4,5,6</sup>   |  |            |

| Coloring rendering index | Options   | Finish               |
|--------------------------|---|----------------------|
| 70CRI 70 CRI             | HA High ambient <sup>9</sup>  | DNA Natural aluminum |
| 80CRI 80 CRI             | SPD Surge protection device <sup>10</sup>   | DWH Gloss white      |
| 90CRI 90 CRI             | BPK Fixture backpack <sup>11</sup>  |                      |
|                          | PS1050 Emergency battery pack 10W, non-CEC compliant <sup>12</sup>  |                      |
|                          | PS10250 Emergency battery pack 10W, non-CEC compliant <sup>13</sup>   |                      |
|                          | PS10250 T20C Emergency battery pack 10W, CEC compliant <sup>13</sup>  |                      |
|                          | PS30250 Emergency battery pack, 30W, non-CEC compliant <sup>14</sup>  |                      |
|                          | BGTD Generator transfer device <sup>15</sup>  |                      |
|                          | SF Single fuse <sup>16</sup>  |                      |
|                          | DF Double fuse <sup>17</sup>  |                      |
|                          | OUTCTR Wiring leads pulled through back center of fixture <sup>18</sup>   |                      |
|                          | OCS RELOC <sup>®</sup> OnePass <sup>®</sup> selectable cable 6' installed <sup>20,21</sup>  |                      |
|                          | OCU RELOC <sup>®</sup> OnePass <sup>®</sup> unselectable cable 6' installed (must specify tap position) <sup>19,21</sup>                                      |                      |
|                          | IMP Integrated modular plug <sup>22</sup>   |                      |
|                          | RRL RELOC <sup>®</sup> -Ready luminaire. (Not available with Haleon sensor options) See page 10 for ordering information                                      |                      |
|                          | WGX Standard wire guard, installed (not available with Haleon sensor)   |                      |
|                          | <b>Cord sets:</b>   |                      |
|                          | CS1W Straight plug, 120V <sup>19</sup>  |                      |
|                          | CS3W Twist-lock, 120V <sup>19</sup>   |                      |
|                          | CS7W Straight plug, 277V <sup>19</sup>  |                      |
|                          | CS11W Twist-lock, 277V <sup>19</sup>  |                      |
|                          | CS25W Twist-lock, 347V <sup>19</sup>  |                      |
|                          | CS97W Twist-lock, 480V <sup>19</sup>  |                      |
|                          | CS93W 600 SO white cord, no plug (no voltage required)  |                      |
|                          | CS93W5CD 600 SO 5-conductor white cord, no plug (no voltage required)   |                      |
|                          | <b>Individual Controls:</b> <sup>23</sup>   |                      |
|                          | HLN360 Haleon 360° High Mount Occ Sensor, pre-wired; Bluetooth <sup>®</sup> 24  |                      |
|                          | HLN360HL Haleon 360° High Mount Occ Sensor w/HL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLN360ADC Haleon 360° High Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLN360ANL Haleon 360° High Mount Occ Sensor w/ANL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLNASL Haleon High Mount Aisleway Occ Sensor, pre-wired; Bluetooth <sup>®</sup> 24  |                      |
|                          | HLNASLHL Haleon High Mount Aisleway Occ Sensor w/HL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLNASLADC Haleon High Mount Aisleway Occ Sensor w/ADC Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | HLNASLANL Haleon High Mount Aisleway Occ Sensor w/ANL Default, pre-wired; Bluetooth <sup>®</sup> 24   |                      |
|                          | LAOZU 360° high mount motion sensor, pre-wired <sup>25</sup>  |                      |
|                          | LAH0SZU 360° high mount motion sensor with dimming, pre-wired <sup>25</sup>   |                      |
|                          | LAPZU 360° high mount motion sensor with photocell, pre-wired <sup>25</sup>   |                      |
|                          | LAM0SZU 360° high mount motion sensor, dimming & switching photocell, pre-wired <sup>25</sup>   |                      |
|                          | C6D0SUEM 360° high mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) <sup>26,27</sup> |                      |
|                          | C10D0SUEM 360° low mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD) <sup>26,28</sup> |                      |
|                          | <b>nLight wired:</b> <sup>29</sup>  |                      |
|                          | nPP16D nLight <sup>®</sup> dimming & switching module   |                      |
|                          | nPP16DER nLight <sup>®</sup> dimming & switching module with emergency relay (not available with battery pack or BGTD)  |                      |
|                          | nMSI nLight <sup>®</sup> high mount aisleway motion sensor, pre-wired <sup>30,31</sup>  |                      |
|                          | nMSI360 nLight <sup>®</sup> 360° high mount motion sensor, pre-wired <sup>31,32</sup>   |                      |
|                          | nMSID nLight <sup>®</sup> high mount aisleway motion sensor with dimming, pre-wired <sup>32,33</sup>  |                      |
|                          | nMSI360D nLight <sup>®</sup> 360° high mount motion sensor with dimming, pre-wired <sup>33,34</sup>   |                      |
|                          | <b>nLight wireless:</b>   |                      |
|                          | NLTAIR2 RKOA nLight AIR Generation 2 enabled 360° high mount motion sensor  |                      |
|                          | NLTAIR2 RKOB nLight AIR Generation 2 enabled 360° low mount motion sensor   |                      |
|                          | NLTAIR2 rPP20D nLight AIR Generation 2 dimming and switching module <sup>26,27</sup>  |                      |
|                          | NLTAIR2 rPP20DER nLight AIR Generation 2 dimming and switching module with emergency relay (not available with battery pack or BGTD) <sup>26,27</sup>         |                      |
|                          | <b>X-Point wireless:</b>  |                      |
|                          | MSI6XADL DSCXADL XPoint™ Wireless 360° high mount motion sensor with photocell  |                      |
|                          | XPW XPoint™ Wireless 0-10V relay, external (utilizes XPA CMRBO) 55°C max ambient  |                      |
|                          | XAD XPoint™ Wireless 0-10V relay, internal, lower max ambient (not available with Haleon sensor) <sup>33</sup>  |                      |
|                          | XPWEM XPoint™ Wireless 0-10V relay, external (utilizes XPACMRBOEM) 55°C max ambient, meets UL924 (not available with battery pack or BGTD)                    |                      |
|                          | XAD924 XPoint™ Wireless 0-10V relay, internal, lower max ambient, meets UL924 (not available with battery pack or BGTD) <sup>35</sup>                         |                      |

See Accessories and footnotes on next page

| Accessories: Order as separate catalog number. |   |  |  |
|--|---|--|--|
| <b>Mounting:</b>                               |   | <b>Cord sets and sensors for IMP option:</b> |  |
| IBAC120 M20                                    | Aircraft cable 10' with hook (one pair)   | CS1WIMP                                      | Straight plug, 120V                                      |
| IBAC240 M20                                    | Aircraft cable 20' with hook (one pair)   | CS3WIMP                                      | Twist-lock, 120V   |
| IBHMP  | Hook monopoint  | CS7WIMP                                      | Straight plug, 277V                                      |
| HBBS36   | Chain hanger with chain, 36" (one pair)   | CS11WIMP                                     | Twist-lock, 277V   |
| IBGACVH  | Aircraft 10' V hanger (one pair)  | CS25WIMP                                     | Twist-lock 347V  |
| IBGPMPHB                                       | Pendant monopoint splice box, includes side covers (3/4" hub) for use with OUTCTR option, not available with BPK option | CS93WIMP                                     | 600V 50 white cord, no plug (no voltage required)        |
| THUN   | Tong hanger bracket (order 2 per fixture) <sup>36</sup>   | CS97WIMP                                     | Twist-lock 480V  |
|  |   | MSIIMP1BG                                    | Aisle sensor for use with IMP option                     |
|  |   | MSI360IMP1BG                                 | 360° sensor for use with IMP option                      |
|  |   |  | <b>Wire guards (not available with Haleon sensor):</b>   |
|  |   | WGIBG22                                      | Wire guard for IBG 8000LM; gloss white                   |
|  |   | WGIBG24                                      | Wire guard for IBG 12000/15000LM; gloss white            |
|  |   | WGIBG26                                      | Wire guard for IBG 18000/24000/30000LM; gloss white      |
|  |   | WGIBG42                                      | Wire guard for all IBGN lumen packages; gloss white      |
|  |   | WGIBG46                                      | Wire guard for IBG 36000/48000/60000LM; gloss white      |
|  |   | WGIBG22DNA                                   | Wire guard for IBG 8000LM; natural aluminum              |
|  |   | WGIBG24DNA                                   | Wire guard for IBG 12000/15000LM; natural aluminum       |
|  |   | WGIBG26DNA                                   | Wire guard for IBG 18000/24000/30000LM; natural aluminum |
|  |   | WGIBG42DNA                                   | Wire guard for all IBGN lumen packages; natural aluminum |
|  |   | WGIBG46DNA                                   | Wire guard for IBG 36000/48000/60000LM; natural aluminum |

- Available with 18000LM, 24000LM, 30000LM and 36000LM only.
- 8,000LM not available with HVOLT, 347, 480, or Haleon sensor controls.
- Not available with 8000LM. Not available with BTGD, nPP16D, nPP16DER, PS1050, PS10250, PS30250, NLTAIR2 RPP20D, NLTAIR2 RPP20DER or XAD options.
- When ordered with 8000LM or Xpoint controls voltage selected utilizes the fixture back pack.
- Not available with NLTAIR2 RPP20D and NLTAIR2 RPP20DER options.
- Not available with nPP16D or nPP16DER.
- Not available with Haleon sensor control options.
- Required with Haleon sensor control options.
- 55 C when suspended, 45 C when surface mounted. Not available with BGTD, PS1050, PS10250, PS30250 or XAD.
- Standard with HVOLT, 347, or 480V - only specify for MVOLT, 120, 208, 240, or 277V when additional surge protection is needed. Standard with Motion sensors/ controls, BGTD & Power Sentry battery options.
- Required with PS1050, PS10250, PS30250, BGTD. Required with 8000LM when ordered with 347/480V. Required with Xpoint controls when ordered with 347/480V. Not available with nLight. Not for use with THUN mount (surface).
- Requires BPK option. Available 120-277V only. Available with 8000LM only. Not available with IMP. See spec sheet PS1050 for more information. For use in ambient temperatures 32° F to 113° F.
- Requires BPK option. Available 120-277V only. Not available with 8000LM. Not available with IMP. Only available for factory installation. See spec sheet PS10250 for more information. For use in ambient temperatures 50° F to 113° F.
- Requires BPK option. 120 or 277V only. Not available with 8000LM. Not available with IMP. See spec sheet PS30250 for more information. For use in ambient temperatures 32° F to 112° F.
- Requires BPK option. 120 or 277V only. Not available with PS1050, PS10250, PS30250 or HA. Not available with 347 or 480V when ordered in combination with XAD or XPW. For ambient temperatures up to 104° F (40° C).
- Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
- Available on 208, 240, 480V and Haleon sensors. Not available with MVOLT or HVOLT.
- Not available with BPK option. Requires IBGPMPHB accessory to mount fixture. Not available with Cord Set options.
- Must specify voltage.
- Cannot be used in dimming applications, must use RRLC12S.
- Fixture will bear dry location label.
- Not available with BPK, nPP16D, nPP16DER, nMSI, nMSI360, PS1050, PS10250, or PS30250.
- Must specify voltage. Refer to page 7 for Haleon sensor default settings matrix. Refer to page 9 for additional LSXR ordering options. Refer to page 10 for additional C6D0SUEM and C10D0SUEM information.
- RRL option not available. Not available with OUTCTR.
- This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 9 for low temperature option providing -4°F (-20°C) minimum ambient temperature.
- Daylight harvesting functionality not enabled by default. See page 10 for default sequence of operation.
- Utilizes XPA CMRB6.
- Utilizes XPA CMRB10.
- Not available with 208, 240, or 480V. Not available with HA option.
- nMSI options utilizes a nPP16 and nCMB 50 sensor, CAT5e connector cable also included.
- nMSI360 options utilizes a nPP16 and nCMB 6 sensor, CAT5e connector cable also included.
- nMSID options utilizes a nPP16D and nCMB 50 sensor CAT5e connector cable also included.
- nMSI360D options utilizes a nPP16D and nCMB 6 sensor, CAT5e connector cable also included.
- NLTAIR2 RPP20D and NLTAIR2 RPP20DER not available with BPK, battery pack options, BGTD, 347, or 480V. Not available with HA.
- Not available with HVOLT. When ordered with 347V or 480V, BPK option is required. Not available with HA option.
- Maximum ambient temperature of standard fixture mounted with THUN is 95°F (35°C). With HA option 113°F (45°C). Not available with MSIIMP1BG or MSI360IMP1BG options.

## POWER SENTRY EMERGENCY BATTERY PACKS

|                 |   |
|-----------------|---|
| <b>PS1050:</b>  | <a href="http://www.acuitybrands.com/products/detail/369448/Power-Sentry/PS1050/Reduced-Profile-LED-Emergency-Battery-Pack/-/media/products/Power_Sentry/369448/document/PS1050_pdf.pdf">http://www.acuitybrands.com/products/detail/369448/Power-Sentry/PS1050/Reduced-Profile-LED-Emergency-Battery-Pack/-/media/products/Power_Sentry/369448/document/PS1050_pdf.pdf</a> |
| <b>PS10250:</b> | <a href="http://www.acuitybrands.com/products/detail/604737/Power-Sentry/PS10250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604737/document/PS10250_pdf.pdf">http://www.acuitybrands.com/products/detail/604737/Power-Sentry/PS10250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604737/document/PS10250_pdf.pdf</a>                         |
| <b>PS30250:</b> | <a href="http://www.acuitybrands.com/products/detail/604739/Power-Sentry/PS30250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604739/document/PS30250_pdf.pdf">http://www.acuitybrands.com/products/detail/604739/Power-Sentry/PS30250/Emergency-LED-Battery-Backup/-/media/products/Power_Sentry/604739/document/PS30250_pdf.pdf</a>                         |

## EMERGENCY LUMENS AFL GND (500K 70CRI)

Delivered lumens calculation provided on battery spec sheet does not represent emergency lumen output on IBG product. Forward voltage does not match constant current design in all cases. See chart below for IBG lumen output in emergency mode.

| Fixture               | IBG                  |                   |                   | IBGN |
|-----------------------|----------------------|-------------------|-------------------|------|
|                       | 8000LM (PS1050 only) | 12000LM - 15000LM | 18000LM - 60000LM |      |
| <b>PS1050/PS10250</b> | 1600                 | 1300              | 1900              | 1200 |
| <b>PS30250</b>        | N/A                  | 4000              | 2400              | 3800 |

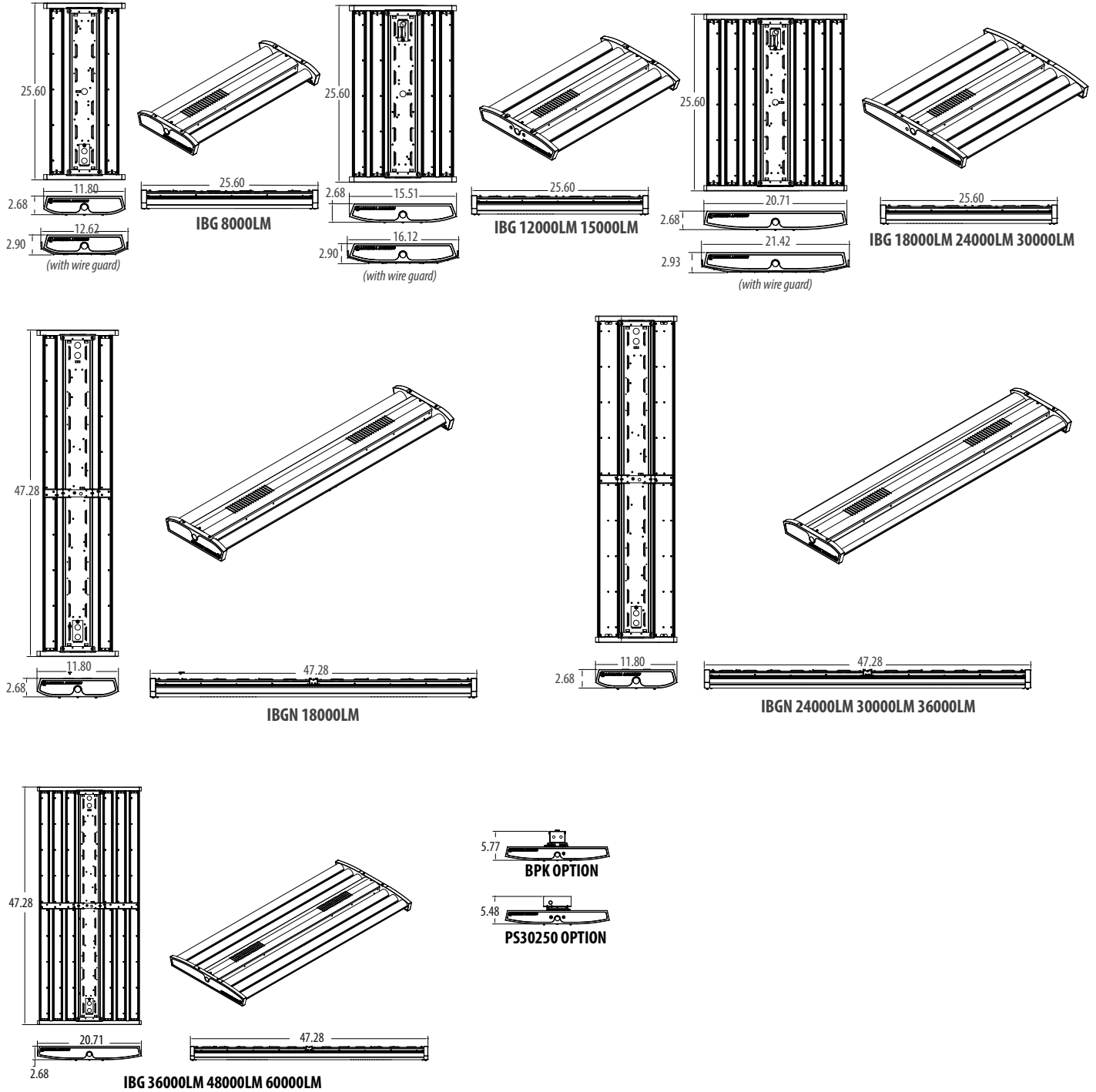
**Note:** For emergency lumen output of specific model, please consult factory.

# IBG LED High Bay

## DIMENSIONS

All dimensions are in inches (centimeters) unless otherwise indicated.  
Dimensions may vary with options or accessories.

Weight: (may vary with options or accessories)  
 8L: 7.75 lbs (3.515Kg)  
 12L/15L: 10.5 lbs (4.762Kg)  
 18L/24L/30L: 15.9 lbs (7.212Kg)  
 18L/24L/30L/36L: 4' Narrow - 16.25 lbs (7.370Kg)  
 36L/48L/60L: 4' - 6' Mod - 21.75 lbs (9.865Kg)



## IBG OPERATIONAL DATA

|                                      | Lumen package | Efficiency level | Lens/distribution        |                      |                    |                     |
|--------------------------------------|---------------|------------------|--------------------------|----------------------|--------------------|---------------------|
|                                      |               |                  | Acrylic frosted/ general | Clear acrylic/narrow | Clear acrylic/wide | Clear acrylic/focus |
| <b>Delivered lumens 4000K, 80CRI</b> | 8000LM        | SEF              | 7594                     | 7145                 | 7384               | 7364                |
|                                      |               | HEF              | 7842                     | 7378                 | 7625               | 7604                |
|                                      | 12000LM       | SEF              | 11580                    | 10895                | 11260              | 11228               |
|                                      |               | HEF              | 11746                    | 11051                | 11421              | 11390               |
|                                      | 15000LM       | SEF              | 14458                    | 13603                | 14059              | 14019               |
|                                      |               | HEF              | 14824                    | 13947                | 14415              | 14374               |
|                                      | 18000LM       | SEF              | 17329                    | 16303                | 16850              | 16803               |
|                                      |               | HEF              | 17752                    | 16702                | 17262              | 17214               |
|                                      | 24000LM       | SEF              | 23000                    | 21639                | 22365              | 22303               |
|                                      |               | HEF              | 23612                    | 22215                | 22960              | 22896               |
|                                      | 30000LM       | SEF              | 27344                    | 25727                | 26589              | 26515               |
|                                      |               | HEF              | 29577                    | 27827                | 28760              | 28680               |
|                                      | 36000LM       | SEF              | 33203                    | 31239                | 34547              | 32197               |
|                                      |               | HEF              | 35528                    | 33426                | 34547              | 34450               |
|                                      | 48000LM       | SEF              | 45973                    | 43253                | 44704              | 44579               |
|                                      |               | HEF              | 47254                    | 44458                | 45949              | 45821               |
|                                      | 60000LM       | SEF              | 55453                    | 52172                | 53922              | 53771               |
|                                      |               | HEF              | 57027                    | 53653                | 55452              | 55298               |
| <b>Delivered lumens 5000K, 80CRI</b> | 8000LM        | SEF              | 7873                     | 7408                 | 7656               | 7635                |
|                                      |               | HEF              | 8082                     | 7604                 | 7859               | 7837                |
|                                      | 12000LM       | SEF              | 12006                    | 11296                | 11674              | 11642               |
|                                      |               | HEF              | 12106                    | 11390                | 11771              | 11739               |
|                                      | 15000LM       | SEF              | 14990                    | 14103                | 14576              | 14536               |
|                                      |               | HEF              | 15278                    | 14374                | 14856              | 14815               |
|                                      | 18000LM       | SEF              | 17966                    | 16904                | 17470              | 17422               |
|                                      |               | HEF              | 18296                    | 17214                | 17791              | 17741               |
|                                      | 24000LM       | SEF              | 23847                    | 22436                | 23188              | 23123               |
|                                      |               | HEF              | 24366                    | 22896                | 23664              | 23598               |
|                                      | 30000LM       | SEF              | 28351                    | 26674                | 27568              | 27491               |
|                                      |               | HEF              | 30483                    | 28680                | 29641              | 29559               |
|                                      | 36000LM       | SEF              | 34221                    | 32196                | 35605              | 33183               |
|                                      |               | HEF              | 36616                    | 34450                | 35605              | 35506               |
|                                      | 48000LM       | SEF              | 47665                    | 44845                | 46349              | 46220               |
|                                      |               | HEF              | 48702                    | 45820                | 47357              | 47225               |
|                                      | 60000LM       | SEF              | 57494                    | 54093                | 55906              | 55751               |
|                                      |               | HEF              | 58774                    | 55297                | 57151              | 56992               |

## PHOTOMETRICS

See [www.lithonia.com](http://www.lithonia.com).



## IBG CHARACTERISTICS

| Lumen package | Wattage             |      |      |      |                 |      |      |      | Length   | Width | Depth | Comparable Light Source             |
|---------------|---------------------|------|------|------|-----------------|------|------|------|--|-------|-------|-------------------------------------|
|               | Standard efficiency |      |      |      | High efficiency |      |      |      |  |       |       |                                     |
|               | 120V                | 277V | 347V | 480V | 120V            | 277V | 347V | 480V | Dimensions are shown in inches (centimeters) unless otherwise noted. |       |       |                                     |
| 8000LM        | 55                  | 54   | 58   | 61   | 50              | 49   | 51   | 54   | 25.6   | 11.75 | 2.75  | 100W MH, 4-lamp T8 NBF              |
| 12000LM       | 79                  | 77   | 77   | 76   | 70              | 69   | 68   | 67   | 25.6   | 15.52 | 2.75  | 175W MH, 4-lamp T8 HBF, 2-lamp T5HO |
| 15000LM       | 97                  | 95   | 97   | 96   | 87              | 86   | 86   | 86   | 25.6   | 15.52 | 2.75  | 200W MH, 6-lamp T8 NBF              |
| 18000LM       | 114                 | 112  | 114  | 115  | 102             | 100  | 102  | 103  | 25.6   | 20.65 | 2.75  | 250W MH, 6-lamp T8 HBF, 4-lamp T5HO |
| 24000LM       | 154                 | 150  | 150  | 150  | 136             | 133  | 135  | 135  | 25.6   | 20.65 | 2.75  | 400W MH, 6-lamp T5HO                |
| 30000LM       | 193                 | 186  | 188  | 188  | 176             | 171  | 173  | 173  | 25.6   | 20.65 | 2.75  | 575W MH, 10-lamp T8 HBF             |
| 36000LM       | 225                 | 221  | 227  | 229  | 200             | 197  | 203  | 206  | 47.29  | 20.65 | 2.75  | 750W MH, 8-lamp T5HO                |
| 48000LM       | 301                 | 293  | 301  | 302  | 267             | 261  | 269  | 270  | 47.29  | 20.65 | 2.75  | 875W MH, 10-lamp T5HO               |
| 60000LM       | 385                 | 374  | 378  | 377  | 332             | 323  | 330  | 330  | 47.29  | 20.65 | 2.75  | 1000W MH                            |

## IBGN OPERATIONAL DATA

|                               | Lumen package | Efficiency level | Lens/distribution             |                      |                    |                     |
|-------------------------------|---------------|------------------|-------------------------------|----------------------|--------------------|---------------------|
|                               |               |                  | Acrylic frosted/general       | Clear acrylic/narrow | Clear acrylic/wide | Clear acrylic/focus |
|                               |               |                  | Delivered lumens 4000K, 80CRI | 18000LM              | SEF                | 17036               |
| HEF                           | 17776         | 16724            |                               |                      | 17285              | 17237               |
| 24000LM                       | SEF           | 22727            |                               | 21383                | 22100              | 22038               |
|                               | HEF           | 24123            |                               | 22696                | 23457              | 23392               |
| 30000LM                       | SEF           | 28642            |                               | 26948                | 27851              | 27773               |
|                               | HEF           | 29493            |                               | 27748                | 28679              | 28599               |
| 36000LM                       | SEF           | 34336            | 32305                         | 33388                | 33295              |                     |
|                               | HEF           | 34912            | 32846                         | 33948                | 33853              |                     |
| Delivered lumens 5000K, 80CRI | 18000LM       | SEF              | 17663                         | 16618                | 17175              | 17128               |
|                               |               | HEF              | 18320                         | 17237                | 17814              | 17765               |
|                               | 24000LM       | SEF              | 23564                         | 22170                | 22913              | 22849               |
|                               |               | HEF              | 24862                         | 23391                | 24176              | 24108               |
|                               | 30000LM       | SEF              | 29696                         | 27940                | 28876              | 28796               |
|                               |               | HEF              | 30397                         | 28599                | 29558              | 29475               |
|                               | 36000LM       | SEF              | 35600                         | 33494                | 34617              | 34520               |
|                               |               | HEF              | 35982                         | 33853                | 34988              | 34890               |

## IBGN CHARACTERISTICS

| Lumen package | Wattage             |      |      |      |                 |      |      |      | Length   | Width | Depth |
|---------------|---------------------|------|------|------|-----------------|------|------|------|--|-------|-------|
|               | Standard efficiency |      |      |      | High efficiency |      |      |      |  |       |       |
|               | 120V                | 277V | 347V | 480V | 120V            | 277V | 347V | 480V | Dimensions are shown in inches (centimeters) unless otherwise noted. |       |       |
| 18000LM       | 117                 | 114  | 115  | 114  | 104             | 102  | 101  | 101  | 47.29  | 11.75 | 2.75  |
| 24000LM       | 172                 | 170  | 167  | 167  | 152             | 150  | 153  | 153  | 47.29  | 11.75 | 2.75  |
| 30000LM       | 209                 | 205  | 208  | 207  | 183             | 180  | 179  | 178  | 47.29  | 11.75 | 2.75  |
| 36000LM       | 246                 | 240  | 242  | 243  | 207             | 203  | 202  | 201  | 47.29  | 11.75 | 2.75  |

## PROJECTED LUMEN MAINTENANCE

| IBG 2ft & 4ft            |   |        |        |        |        |         |
|--------------------------|---|--------|--------|--------|--------|---------|
| Operating hours          | 0 | 15,000 | 30,000 | 45,000 | 60,000 | 100,000 |
| Lumen maintenance factor | 1 | 0.97   | 0.95   | 0.93   | 0.91   | 0.86    |
| IBGN                     |   |        |        |        |        |         |
| Operating hours          | 0 | 15,000 | 30,000 | 45,000 | 60,000 | 100,000 |
| Lumen maintenance factor | 1 | 0.97   | 0.93   | 0.90   | 0.87   | 0.81    |

## LUMENS VS. AMBIENT TEMPERATURE

| Ambient °C | Ambient °F | Lumen Multiplier |
|------------|------------|------------------|
| 0          | 32         | 1.04             |
| 5          | 41         | 1.03             |
| 10         | 50         | 1.02             |
| 20         | 68         | 1.01             |
| 25         | 77         | 1.00             |
| 30         | 86         | 0.99             |
| 35         | 95         | 0.99             |
| 40         | 104        | 0.98             |
| 45         | 113        | 0.97             |
| 50         | 122        | 0.96             |
| 55         | 131        | 0.96             |

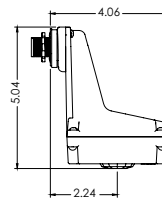
## AMBIENT TEMPERATURE RATINGS

| Mounting                     | Suspended    | Surface      |
|------------------------------|--------------|--------------|
| Standard temperature rating  | 113°F (45°C) | 95°F (35°C)  |
| HA option temperature rating | 131°F (55°C) | 113°F (45°C) |

## nLIGHT® AIR Dimming and Photo Sensor



See [rSBOR](#) spec sheet for additional information.



Drawing for dimensional information only. Fixture will ship with snap mount option and not threaded nipple.

## HALEON - Integrated Occupancy Sensor with Bluetooth® Programmability

- Programmable sensor settings over Bluetooth® with Acuity VLP smartphone app.
- Default programming options to service various application spaces - occupancy detection, 0-10V dimming and daylight harvesting.
- 360° High Mount and High Mount Aisleway lens detection options for mounting heights up to 40 ft.
- Integrated retractable lens mask included to block unwanted detection.
- Sensor ambient temperature rating of -40°F (-40°C) to 158°F (70°C).



## Haleon Default Programming

| Model     | Default Operation  | LSXR Equivalent          | Occupancy Time Delay | Photocell Mode    | Photocell Set-point | Low Trim | High Trim | Dim to Off Time Delay |
|-----------|--|--------------------------|----------------------|-------------------|---------------------|----------|-----------|-----------------------|
| HLNxxx    | On/Off Occupancy Only                                    | LSXR 6 LT or LA00STU     | 10 minutes           | Disabled          | n/a                 | n/a      | 100%      | Disabled              |
| HLNxxxHL  | Occupancy w/ 0-10V Dimming (High/Low/Off)                | LSXR 6 HL LT or LAH0STU  | 10 minutes           | Disabled          | n/a                 | 10%      | 100%      | 2.5 minutes           |
| HLNxxxADC | Occupancy w/ Dim & Switch Photocell                      | LSXR 6 ADC LT or LAM0STU | 10 minutes           | On/Off & Auto Dim | 50 fc               | 10%      | 100%      | 0 seconds             |
| HLNxxxANL | Dim & Switch Photocell with High/Low Occupancy Operation | LSXR 6 ANL LT or LAG0STU | 10 minutes           | On/Off & Auto Dim | 50 fc               | 10%      | 100%      | Stay Dim/ Never Off   |

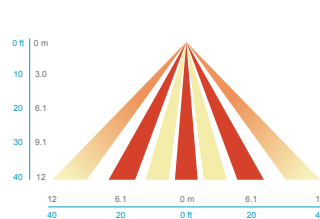
Note: Lens detection noted in place of 'xxx'

## HALEON COVERAGE PATTERNS

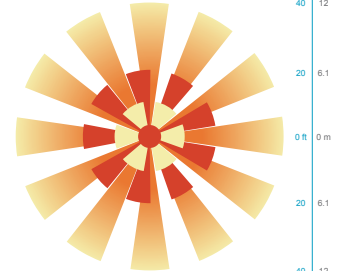
### HIGH MOUNT 360°

- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired

SIDE VIEW



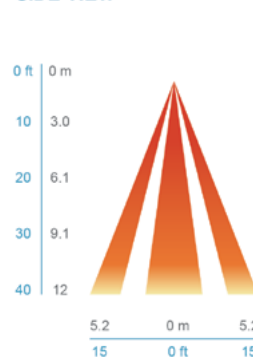
TOP VIEW



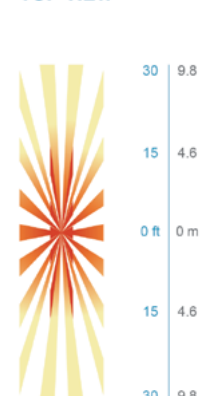
### HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aisleways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.2X's mounting height equals approximate detection range
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired

SIDE VIEW



TOP VIEW



## LSXR – Fixture Mount Occupancy Sensor (see [www.AcuityControls.com](http://www.AcuityControls.com) for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

| LSXR configuration  | Comparable CMRB sensor | Old style sensor nomenclature |
|---|------------------------|-------------------------------|
| <b>For shortest lead times use one of the following LSXR configurations</b> |                        |                               |
| LCOZU   | CMRB 50                | MSI                           |
| LCH0SZU   | CMRB 50 D              | MSID                          |
| LCPZU   | CMRB 50 P              | MSIPED                        |
| LAOZU   | CMRB 6                 | MSI360                        |
| LAH0SZU   | CMRB 6 D               | MSI360D                       |
| LAPZU   | CMRB 6 P               | MSI360PED                     |



### SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

#### SINGLE RELAY

##### ORDERING INFORMATION

**Example:** LAH0SZU

| Series  | Lens option   | Dimming/Photocell                           | Max. dim level                    | Min. dim level                 | Temp/Humidity                  | Default occupancy time delay |   |
|---|---|---|-----------------------------------|--------------------------------|--------------------------------|------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360°  | O None <sup>1</sup>                         | 0 10 VDC                          | S Minimum dim level of ballast | Z None                         | I 30 sec                     |   |
|   |   | H High/low occupancy operation              | 9 9 VDC                           |                                | T Low temperature <sup>2</sup> | D 2.5 min                    |   |
|   | B Low mount, 360°   | P Switching photocell (on/off) <sup>1</sup> | 8 8 VDC                           |                                | 1 1 VDC                        | X 5.0 min                    |   |
|   |   | C High mount aisleway                       | M Dimming and switching photocell |                                | 7 7 VDC                        | 2 2 VDC                      | R 7.5 min                                   |
|   | G Dimming and switching photocell with high/low occupancy operation |   |                                   |                                | 3 3 VDC                        | 4 4 VDC                      | U 10.0 min (with minimum 15 minute on time) |
|   |   |   |                                   |                                | 5 5 VDC                        | 6 6 VDC                      | V 15.0 min                                  |
|   |   |   |                                   |                                |                                | W 20.0 min                   |   |
|   |   |   |                                   | Y 30.0 min                     |                                |                              |   |

#### Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

#### DUAL RELAY (Available with 120, 277, and 347V only)

##### ORDERING INFORMATION

**Example:** LA2KZU

| Series  | Lens option  | Poles        | Operating mode                                     | Temp/Humidity                  | Default occupancy time delay                |
|---|--|--------------|--|--------------------------------|---|
| L LSXR passive infrared indoor occupancy sensor | A High mount, 360°<br>B Low mount, 360°<br>C High mount aisleway | 2 Dual relay | J None   | Z None                         | I 30 sec                                    |
|   |  |              | K Alternating off relays (promotes even lamp wear) | T Low temperature <sup>1</sup> | D 2.5 min                                   |
|   |  |              | O Alternating off relays w/photocell               |                                | X 5.0 min                                   |
|   |  |              | P Switching photocell(on/off)                      |                                | R 7.5 min                                   |
|   |  |              | E Photocell on/off (pole 1 only)                   |                                | U 10.0 min (with minimum 15 minute on time) |
|   |  |              | F Photocell on/off - both poles (dual set-point)   |                                | V 15.0 min                                  |
|   |  |              |  | W 20.0 min                     |   |
|   |  |              |  | Y 30.0 min                     |   |

#### Notes

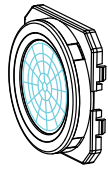
- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

**Example:** LENS 50 J100

| Replacement lenses: Order as separate catalog number. |                        |                     |
|---|------------------------|---------------------|
| Series  | Lens type              | Package quantity    |
| LENS  | 6 High mount 360°      | [blank] Single Lens |
|   | 10 Low mount 360°      | J10 10-pack         |
|   | 50 High mount aisleway | J100 100-pack       |

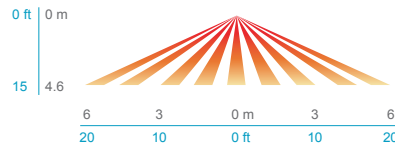
## LSXR COVERAGE PATTERNS

### HIGH MOUNT 360° LENS (#6)

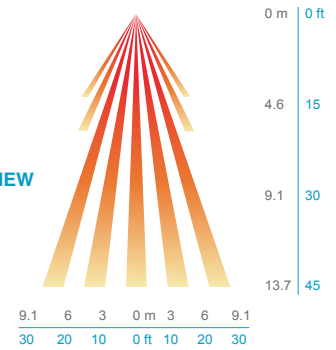


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height

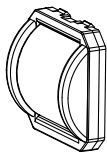
LOW VIEW



HIGH VIEW

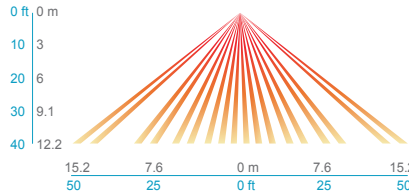


### HIGH MOUNT AISLEWAY LENS (#50)

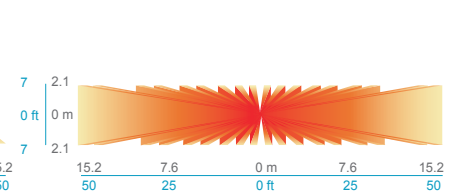


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

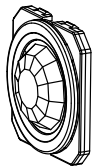
SIDE VIEW



TOP VIEW

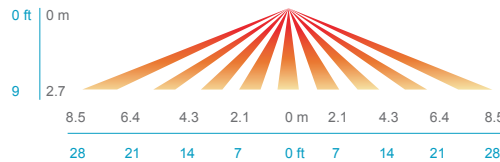


### LOW MOUNT 360° LENS (#10)

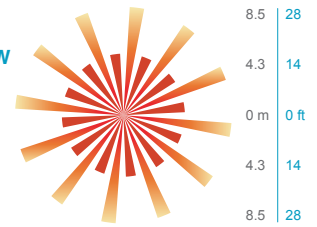


- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft<sup>2</sup>) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when walking across beams compared to into beams

SIDE VIEW



TOP VIEW



## C6D0SUEM & C10D0SUEM - UL924 Listed Sensors

### SENSOR DEFAULT SEQUENCE OF OPERATION

- The occupied light level is full output.
- The unoccupied light level is approximately 30%.
- The time delay following sensor vacancy is 5 minutes, with an additional 5 minute slow ramp from the occupied light level to the unoccupied light level.
- **The onboard daylight sensor is not enabled by default - sensor will not respond to changing daylight conditions.**

Daylight sensor settings can be enabled and programmed by a trained technician after installation.

### EGRESS MODE SEQUENCE OF OPERATION

The UL924 C6D0SUEM & C10D0SUEM controls are designed to provide fully tuned light output for 90 minutes following power loss or interruption, ignoring automatic dimming/occupancy/daylight control signals during this time.

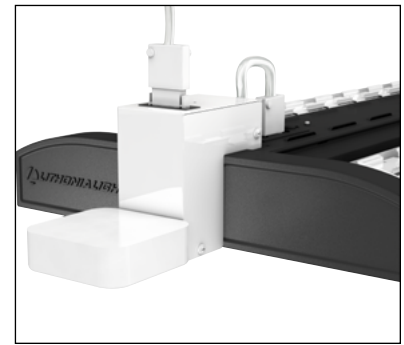
- Typical sequence upon power loss: Backup power source activates, transfer switch moves the emergency circuit powering the sensor onto the backup source, and sensor regains power. This sensor is programmed to detect any power interruption or transfer > 30 ms
- The sensor then ignores occupancy & daylight status and controls the luminaire to full light output for 90 minutes.
- The device resumes normal dimming & occupancy controls after 90 minutes.
- This sensor should not be used with online power backup systems or any transfer devices with < 30 ms transfer time.

## IMP - Integrated Modular Plug

- The integrated modular plug (IMP) option allows the installer to plug and play a multitude of accessories.
- Cord sets connect quickly to any fixture with IMP option.
- IMP accessories include occupancy sensors, photocells, X-point relays.

| IMP compatible cord sets <sup>1</sup> |                                |
|---------------------------------------|--------------------------------|
| CS1WIMP                               | Straight plug, 120V            |
| CS3WIMP                               | Twist-lock, 120V               |
| CS7WIMP                               | Straight plug, 277V            |
| CS11WIMP                              | Twist-lock, 277V               |
| CS25WIMP                              | Twist-lock, 347V               |
| CS93WIMP                              | 600V SE00W white cord, no plug |
| CS97WIMP                              | Twist-lock, 480V               |

| IMP compatible sensors |              |
|------------------------|--------------|
| MSIMP                  | Aisle sensor |
| MSI360IMP              | 360° sensor  |



### Notes

- 1 Cord set required for fixture operation. All cord sets are 18/3, 6' white.

## RRL - RELOC®-Ready Luminaire

- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design allows safe disconnect under load.



### ORDERING INFORMATION

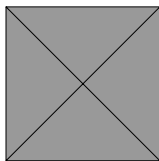
Lead times will vary depending on options selected. Consult with your sales representative.

**Example: RRLA**

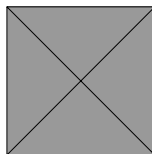
| Series                     | Wiring instructions |  |      |  |
|----------------------------|---------------------|--|------|--|
| RRL RELOC®-ready luminaire | A                   | Hot conductor wired to position #1 (phase A); non-dimming  | AE   | Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming <sup>2</sup>  |
|                            | B                   | Hot conductor wired to position #2 (phase B); non-dimming  | ABE  | Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B), inverter conductor wired to position #3 (phase C); non-dimming <sup>1,2</sup> |
|                            | C                   | Hot conductor wired to position #3 (phase C); non-dimming <sup>1</sup>   | C12S | Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3; dimming <sup>1,3</sup>                             |
|                            | AB                  | Outboard hot conductor wired to position #1 (phase A), inboard hot conductor wired to position #2 (phase B); non-dimming |      |  |

## Compatible RELOC® Cables for Industrial Luminaires (ordered and shipped separately)

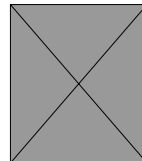
(click to view RELOC product page for more information)



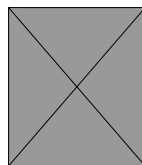
OCS



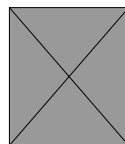
OCU



OD



DC



PT

### Notes

- 1 C, ABE, and C12S options are not used with Quick-Flex QFC, QSFC, QPT, and QD.
- 2 AE and ABE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode.
- 3 C12S option is used with the OnePass OD and 820 SSC, PT, and DC for 0-10V/DALI applications.