

## 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.](#)

**Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, including condensation, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location.** [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

**CONSTRUCTION** — Structural elements such as the channel and end caps are fabricated from steel for maximum rigidity. Wireguard attachment points provided. Lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 °C for maximum naturally convective cooling. Optional rotatable outer light modules available when ROTO option is specified, see page 4 for additional details.

**OPTICS** — General, narrow, wide and aisle distributions available to meet both horizontal and vertical light level requirements. Diffuse lens standard to provide glare control and LED protection. Optics are IP5X rated and IK rated. See IK ratings on page 8.

Patent-pending Acuity-exclusive Fresnel pattern molded into lens for crisp distributions and interchangeability in the field.

**ELECTRICAL** — L92 at 60,000 hours. Utilizes a 90°C case temperature driver for maximum life at high temperatures. 0.90 power factor. Luminaire Surge Protection Level: Designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015. Luminaire Surge Protection Level: Designed to withstand up to 10kV/5kA per ANSI C82.77-5-2015, optional. Available as 120-277V or 347-480V input.

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

**WIRELESS NETWORKING** — nLight® AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. Integrated smart sensors or dimming and switching modules must be part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes this a great solution for any application.

**INSTALLATION** — Suitable for suspension by chain, cable, surface mounting when using compatible surface mount bracket (THUN accessory ordered separately), and hook monopoint or single (pendant) mount. 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 131°F (55°C) when suspended 18" from ceiling. Note: Temperature cycling, or variations can potentially produce condensation; please consult factory. 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.

**GOVERNMENT PROCUREMENT** — BAA — Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA — Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to [www.acuitybrands.com/buy-american](http://www.acuitybrands.com/buy-american) for additional information.

**WARRANTY** — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. 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 12000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 12L MVOLT     | PAMMN2VX           | ✓            |
| IBG 15000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 15L MVOLT     | P3G6HADN           | ✓            |
| IBG 18000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 18L MVOLT     | P851GVEP           | ✓            |
| IBG 24000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH | IBG 24L MVOLT     | PZBJQY5S           | ✓            |
| IBG 12000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 12L MVOLT 5K  | P7TZ4ZV            | ✓            |
| IBG 15000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 15L MVOLT 5K  | PMXBGZJS           | ✓            |
| IBG 18000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 18L MVOLT 5K  | P85EZU7            | ✓            |
| IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH | IBG 24L MVOLT 5K  | PQ5CSK48           | ✓            |

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

**T-BEAM® LED**

LED High Bay

**IBG**



### Embed nLight controls today. Prepare for tomorrow.

#### Now

- User-friendly install
- Enhanced energy savings
- Code compliance

#### Tomorrow

- Scalability
- Space configuration
- Future-ready



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit [www.acuitybrands.com/designselect](http://www.acuitybrands.com/designselect). \*See ordering tree for details

### 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 when used with Acuity Brands controls products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

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



Design Select 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 | Lumen package |                 | Performance package |                     | Lens   |                            | Distribution |                | Voltage |            | Driver |               | Color temperature |        | Coloring rendering index |          |     |                             |    |      |
|--------|---------------|-----------------|---------------------|---------------------|--------|----------------------------|--------------|----------------|---------|------------|--------|---------------|-------------------|--------|--------------------------|----------|-----|-----------------------------|----|------|
| IBG    | 8000LM        | 8,000 lumens ‡  | SEF                 | Standard efficiency | AFL    | Acrylic, frosted           | GND          | General        | MVOLT   | 120-277V   | GZ10   | 0-10V dimming | 35K               | 3500 K | 70CRI                    | 70 CRI   |     |                             |    |      |
|        | 12000LM       | 12,000 lumens   |                     |                     | ACL    | Clear acrylic              |              |                | HVOLT   | 347-480V ‡ |        |               | 40K               | 4000 K | 80CRI                    | 80 CRI   |     |                             |    |      |
|        | 15000LM       | 15,000 lumens   | HEF                 | Premium efficiency  | PCL    | Clear polycarbonate        | 3ND          | Ultra narrow ‡ | 120     | 120V       |        |               | 50K               | 5000 K | 90CRI                    | 90 CRI ‡ |     |                             |    |      |
|        | 18000LM       | 18,000 lumens   |                     |                     | PFL    | Semi-diffuse polycarbonate |              |                | 208     | 208V       |        |               |                   |        |                          |          |     |                             |    |      |
|        | 24000LM       | 24,000 lumens   |                     |                     | L/LENS | Less lens ‡                |              |                | 240     | 240V       |        |               |                   |        |                          |          |     |                             |    |      |
|        | 30000LM       | 30,000 lumens   |                     |                     |        |                            |              |                | 277     | 277V       |        |               |                   |        |                          |          |     |                             |    |      |
|        | 36000LM       | 36,000 lumens ‡ |                     |                     |        |                            |              |                | 347     | 347V ‡     |        |               |                   |        |                          |          |     |                             |    |      |
|        | 48000LM       | 48,000 lumens ‡ |                     |                     | ATL    | Acrylic textured lens      |              |                | ND      | Narrow     |        |               |                   |        |                          |          | 480 | 480V ‡                      |    |      |
|        | 60000LM       | 60,000 lumens ‡ |                     |                     |        |                            |              |                |         |            |        |               |                   |        |                          |          | PTL | Polycarbonate textured lens | WD | Wide |
|        | 72000LM       | 72,000 lumens ‡ |                     |                     |        |                            |              |                |         |            |        |               |                   |        |                          |          | ADL | Rack                        |    |      |

| Options               |                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Finish               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| BAA                   | Buy America(n) Act and/or Build America Buy America Qualified                                                             | <b>Individual Controls (LSXR): ‡</b><br>LSXR6 360° integral high mount motion sensor with standard on/off operation (formerly LAOZU) <a href="#">LINK</a><br>LSXR6 HL 360° integral high mount motion sensor with high/low/Off occupancy operation (formerly LAHOSZU) (For High/Low only)<br>LSXR6 P 360° integral high mount motion sensor with On/Off switching photocell (formerly LAPZU)<br>LSXR6 ADC 360° integral high mount motion sensor with On/Off occupancy operation with auto dimming photocell. (formerly LAMOSZU)<br>LSXR6 ANL 360° integral high mount motion sensor with High/Low occupancy and auto dimming / off functionality due to photocell<br>*For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For High Mount Aisleway sensors, replace "6" in nomenclature with "50".<br>Ex: LSXR10 ADC<br><br><b>Individual Controls with Bluetooth Programming (Haleon) ‡</b><br>HLN45 OCC 360° integral high mount motion sensor; Bluetooth enabled <a href="#">LINK</a> (formerly HLN360)<br>HLN45 HL 360° integral high mount motion sensor with High/Low (Off) occupancy detection; Bluetooth enabled (formerly HLN360HL)<br>HLN45 ADC 360° integral high mount motion sensor. High / Low / Off occupancy operation with photocell; Bluetooth enabled (formerly HLN360ADC)<br>HLN45 ANL 360° integral high mount motion sensor with High/Low occupancy and auto dimming / off functionality due to photocell; Bluetooth enabled (formerly HLN360ANL)<br>*For integral Aisle Mount sensors, replace "45" in nomenclature with "45A".<br>Ex: HLN45A ADC<br><br><b>nLight Wired Network Controls</b><br>NCMB6 nLight High Mount Occupancy Sensor with Dimming, pre-wired <a href="#">LINK</a> (Includes dimming Power Pack) ‡<br>NPP16 D nLight dimming & switching module <a href="#">LINK</a> ‡<br>*For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For high Aisle Mount sensors, replace "6" with "50".<br>Ex: NCMB50<br><br><b>nLight AIR Wireless Controls ‡</b><br>NLTAIR2 RLSXR6 nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor<br>NLTAIR2 RLSXR10 nLight AIR (wireless) gen 2 control device with low mount occupancy and daylight sensor<br>NLTAIR2 RMSOD45 Embedded nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor <a href="#">LINK</a><br>NLTAIR2 RIO nLight AIR (wireless) gen 2 control device (dimming & switching) <a href="#">LINK</a><br>*For 360° integral Low Mount sensors, replace "45" in nomenclature with "7". For high Aisle Mount sensors, replace "45" with "45A".<br>Ex: NLTAIR2 RMSOD45A<br><br><b>**For guidance on which sensors to use with emergency generator power, consult table on page 10.</b> |  | DNA Natural aluminum |
| Emergency batteries ‡ |                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | DWH Gloss white      |
| E10W                  | IOTA 10W emergency battery pack, Constant Power, Certified in CA Title 20 MAEDBS, Self-diagnostics <a href="#">LINK</a> ‡ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | MB Matte black       |
| IE20WCPHE             | Iota 20W emergency battery pack, Certified in CA Title 20 MAEDBS ‡                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| IE30WCPHE             | Iota 30W emergency battery pack, Certified in CA Title 20 MAEDBS ‡                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| SPD                   | Surge protection device ‡                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| ETS                   | Generator transfer device ‡                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| SF                    | Single fuse ‡                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| DF                    | Double fuse ‡                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| OUTCTR                | Wiring leads pulled through back center of fixture ‡                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| OCS                   | RELOC® OnePass® selectable cable 6' installed ‡ ‡                                                                         | <b>nLight Wired Network Controls</b><br>NCMB6 nLight High Mount Occupancy Sensor with Dimming, pre-wired <a href="#">LINK</a> (Includes dimming Power Pack) ‡<br>NPP16 D nLight dimming & switching module <a href="#">LINK</a> ‡<br>*For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For high Aisle Mount sensors, replace "6" with "50".<br>Ex: NCMB50<br><br><b>nLight AIR Wireless Controls ‡</b><br>NLTAIR2 RLSXR6 nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor<br>NLTAIR2 RLSXR10 nLight AIR (wireless) gen 2 control device with low mount occupancy and daylight sensor<br>NLTAIR2 RMSOD45 Embedded nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor <a href="#">LINK</a><br>NLTAIR2 RIO nLight AIR (wireless) gen 2 control device (dimming & switching) <a href="#">LINK</a><br>*For 360° integral Low Mount sensors, replace "45" in nomenclature with "7". For high Aisle Mount sensors, replace "45" with "45A".<br>Ex: NLTAIR2 RMSOD45A<br><br><b>**For guidance on which sensors to use with emergency generator power, consult table on page 10.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                      |
| OCS4C                 | RELOC® One Pass® selectable cable 6' installed. ‡ ‡                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| OCU                   | RELOC® OnePass® unselectable cable 6' installed (must specify tap position) ‡                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| IMP                   | Integrated modular plug ‡                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| RRL                   | RELOC® Ready luminaire. (Not available with Haleon sensor options) See page 16 for ordering information ‡                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| WGX                   | Standard wire guard, installed (not available with Haleon sensor)                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| ROTO                  | Rotateable optics ‡                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| JP                    | Job Pack Packaging (Consult table on page 11 for details)                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| Cord sets ‡           |                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| CPSBW                 | 6' white damp location cord with straight blade plug (voltage will match fixture, 120V or 277V only)                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| CPTLW                 | 6' white damp location cord with twist-lock plug (voltage will match fixture) ‡                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| CNPW                  | 6' white cord, no plug                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| CNP4CW                | 6' white cord with 4 conductors, no plug (for use when unswitched hot is required for battery pack)                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| CNP5CW                | 6' white cord, 5 conductor, no plug, damp location                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |
| CNP5CDW               | 6' white cord, 5 conductors (for bringing dimming leads out of fixture)                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                      |

NOTE: ‡ ‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart, page 4. Options are sorted alphanumerically.

See Accessories and option value restrictions on next page

| Accessories: Order as separate catalog number. |                                                                                                                         |                                                                             |                                                   |                                                                      |                                                 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|
| <u>Mounting:</u>                               |                                                                                                                         | <u>Cord sets and sensors for IMP option:</u>                                |                                                   | <u>Wire guards (gloss white*) - not available with Haleon sensor</u> |                                                 |
| IBAC120 M100                                   | Aircraft cable 10' with hook (one pair)                                                                                 | CS1WIMP                                                                     | Straight plug, 120V                               | <b>SEF Lumen Packages</b> <b>HEF Lumen Packages</b>                  |                                                 |
| IBAC240 M75                                    | Aircraft cable 20' with hook (one pair)                                                                                 | CS3WIMP                                                                     | Twist-lock, 120V                                  | WGIBG22                                                              | 8000LM, 12000LM, 15000LM      8000LM            |
| IBHMP                                          | Hook monopoint                                                                                                          | CS7WIMP                                                                     | Straight plug, 277V                               | WGIBG24                                                              | 18000LM, 24000LM, 30000LM      12000LM, 15000LM |
| HBBS36                                         | Chain hanger with chain, 36" (one pair)                                                                                 | CS11WIMP                                                                    | Twist-lock, 277V                                  | WGIBG26                                                              | 36000LM      18000LM, 24000LM, 30000LM, 36000LM |
| 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 backpack ‡ | CS93WIMP                                                                    | 600V SO white cord, no plug (no voltage required) | WGIBG44                                                              | 48000LM, 60000LM      -                         |
|                                                |                                                                                                                         | CS97WIMP                                                                    | Twist-lock 480V                                   | WGIBG46                                                              | 72000LM      48000LM, 60000LM, 72000LM          |
| THUN                                           | Tong hanger bracket (order 2 per fixture) ‡                                                                             | MSIIMPBG                                                                    | Aisle sensor for use with IMP option              | *For DNA wire guards, add DNA to end of nomenclature. Ex: WGIBG26DNA |                                                 |
|                                                |                                                                                                                         | MSI360IMPIBG                                                                | 360° sensor for use with IMP option               | *For MB wire guards, add MB to end of nomenclature. Ex: WGIBG26MB    |                                                 |
|                                                |                                                                                                                         | *Base fixture must be ordered with IMP option when ordering this accessory. |                                                   |                                                                      |                                                 |

| CORD SET ORDERING INFORMATION  |                |           |                                       |            |            |         |                   |                 |                                                                                                             |         |       |          |               | Cord sets cannot be ordered as accessories |         |  |  |
|-----------------------------------------------------------------------------------------------------------------|----------------|-----------|---------------------------------------|------------|------------|---------|-------------------|-----------------|-------------------------------------------------------------------------------------------------------------|---------|-------|----------|---------------|--------------------------------------------|---------|--|--|
| Plug Option                                                                                                     |                | Plug type |                                       | Amperage** |            | Gauge   |                   | # of conductors |                                                                                                             | Color   |       | Location |               | Length                                     |         |  |  |
| CNP                                                                                                             | Cord Only      | (blank)   | No Plug Option (for Cord Only option) | (blank)    | 15 amps    | (blank) | 18 gauge standard | (blank)         | 3 conductors (blk/wht/grn)                                                                                  | (blank) | Black | (blank)  | Damp Location | (blank)                                    | 6 feet  |  |  |
| CP                                                                                                              | Cord with Plug |           |                                       | 20A        | 20 amps*** |         |                   | 4C              | 4 conductors; Use with Battery option when unswitched hot is needed                                         | W       | White |          |               | 3FT                                        | 3 feet  |  |  |
|                                                                                                                 |                | TL        | Locking Type                          |            |            |         |                   |                 |                                                                                                             |         |       |          |               | 10FT                                       | 10 feet |  |  |
|                                                                                                                 |                | SB        | Straight blade*                       |            |            |         |                   | 5C              | 5 conductors; Use when fixture has 2 drivers and separate operation is required                             |         |       |          |               | 12FT                                       | 12 feet |  |  |
|                                                                                                                 |                |           |                                       |            |            |         |                   |                 |                                                                                                             |         |       |          |               | 15FT                                       | 15 feet |  |  |
|                                                                                                                 |                |           |                                       |            |            |         |                   | 5CD             | 5 conductors; Use with dimming driver when dimming leads are desired (Not for use with dimming sensors)**** |         |       |          |               | 20FT                                       | 20 feet |  |  |
|                                                                                                                 |                |           |                                       |            |            |         |                   |                 |                                                                                                             |         |       |          |               |                                            |         |  |  |

\* Not available wet location. Not available with 347 and 480 volt configurations.

\*\* Amperage is only configurable for cords with plugs.

\*\*\* Required on 347 and 480 volt configurations.

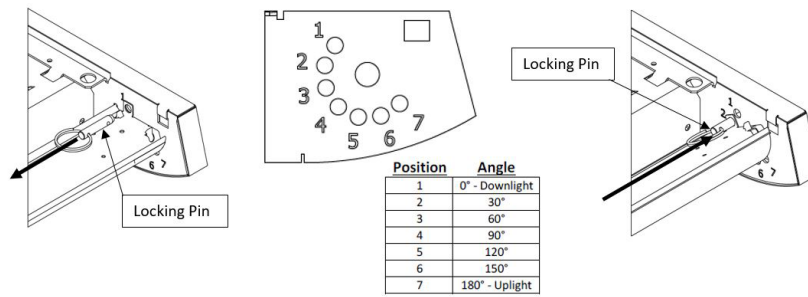
\*\*\*\* Not available with plugs.

| ‡ Option Value Ordering Restrictions |                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Option value                         | Restriction                                                                                                                                                                                                                                                                                                                                                              |
| 347                                  | Not available with ETS,nPP16 D, E10W, EM or ER sensor solutions.                                                                                                                                                                                                                                                                                                         |
| 36000LM                              | When ordering 347V or 480V with NLTAIR2 or Haleon, <b>fixture utilizes backpack adding 3.09" depth to fixture (see page 9 for line art)</b> . Not available with HVOLT, Haleon, or NLTAIR2 options and a battery pack when ordered in combination.                                                                                                                       |
| 3ND                                  | Available with ACL and L/Lens options only.                                                                                                                                                                                                                                                                                                                              |
| 480                                  | Not available with ETS,nPP16 D, E10W, EM or ER sensor solutions.                                                                                                                                                                                                                                                                                                         |
| 48000LM                              | When using IBGMPMPHB, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.                                                                                     |
| 60000LM                              | When using IBGMPMPHB, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.                                                                                     |
| 72000LM                              | When using IBGMPMPHB, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.                                                                                     |
| 8000LM                               | When ordering 347V or 480V with NLTAIR2 or Haleon option, <b>fixture utilizes backpack adding 3.09" depth to fixture (see page 9 for line art)</b> . Not available with HVOLT, Haleon, or NLTAIR2 options and a battery pack when ordered in combination.                                                                                                                |
| 90CRI                                | Only available with SEF. 90CRI configurations have longer lead times.                                                                                                                                                                                                                                                                                                    |
| Cord sets                            | Must specify voltage on cord sets with plugs (not available with MVOLT or HVOLT). 347 and 480 cordset with twistlock plugs require 20A. Straight blade plugs are not available with 347 or 480 volts. Refer to cord set ordering table, page 3 for more configurations. Non-standard configurations have extended lead times. CNP5CDW is not available with any sensors. |
| DF                                   | Available on 208, 240, 480V. Not available with MVOLT or HVOLT.                                                                                                                                                                                                                                                                                                          |
| E10W                                 | Only available with 8000LM. MVOLT only. Not available with IMP option. <b>Fixture utilizes backpack, adding 3.08" to fixture depth (see page 9 for line art)</b> .                                                                                                                                                                                                       |
| Emergency batteries                  | Not available with IMP option. Emergency batteries alter fixture construction, (see pg. 9 for batteries that use a backpack and line art) Not available with cords with plugs. Use CNP4CW or OCS4C when unswitched hot is required for batter pack options. Consult standard wiring detail on page 9.                                                                    |
| ETS                                  | MVOLT only. Not available with cord sets or batteries. When sensor is required, please use the ER sensor option (reference page 9). When ordered with 72000LM, fixture cannot be surface mounted (THUN brackets). Consult table on page 7 for max operating temperature. Utilizes <a href="#">ETS20 DR</a> for 72000LM and <a href="#">ETS 924 DR</a> for all others.    |
| HVOLT                                | Not available with ETS,nPP16 D, E10W, EM or ER sensor solutions.                                                                                                                                                                                                                                                                                                         |
| IBGMPMPHB                            | When using with 48000LM, 60000LM, or 72000LM, mono-point bracket mounts off-center, requiring aircraft cables for additional fixture support and fixture leveling. Must use additional method such as flexible conduit (supplied by others) to bring wiring to pendant mono-point when using for wiring box.                                                             |
| IE20WCPHE                            | Not available with 8000LM or IMP option. <b>Battery adds 2.8" depth to fixture (see page 9 for line art)</b> .                                                                                                                                                                                                                                                           |
| IE30WCPHE                            | Not available with 8000LM or IMP option. <b>Battery adds 2.8" depth to fixture (see page 9 for line art)</b> .                                                                                                                                                                                                                                                           |
| IMP                                  | Must specify voltage. Not available with NLight wired sensors or any dimming sensor, batteries, or OUTCTR option. Fixture requires IMP power cord accessory. Not for use with THUN mounting accessory.                                                                                                                                                                   |
| Individual controls (Haleon)         | Refer to page 13 for Haleon sensor default settings matrix. When ordered with ER sensor, ETS is used. Not available with other controls. Low temperature (LT) option standard, do not call out.                                                                                                                                                                          |
| Individual controls (LSXR)           | Comes standard with SPD. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). When ordered with ER sensor, ETS is used. Not available with other controls. Refer to page 14 for additional LSXR ordering options. Not available with CNP5CW or CNP5CDW                                                                                 |
| NLTAIR2 RLSXR6, NLTAIR2 RLSXR10      | Can be used as a normal power sensing device for nLight AIR devices and other luminaires with EM emergency options. May not be used for emergency operation if EM or ER options are added. See Emergency Operation Scenarios chart for more information.                                                                                                                 |
| L/LENS                               | Lens is always recommended.                                                                                                                                                                                                                                                                                                                                              |
| NCSMB6                               | Sensor wired via CAT5 to nPP16 D dimming power pack. CAT5e connector cable also included. Ships standard with SPD. Only available with 120, 277 or 347V. Not available with other controls.                                                                                                                                                                              |
| nPP16 D                              | Not for use with THUN accessory. Ships standard with SPD. Only available with 120, 277, or 347V. Not available with IMP or nLight wireless options.                                                                                                                                                                                                                      |
| OCS                                  | Must specify voltage. Fixture will bear dry location label. Not available with 208 or 240 volt. Order OCS10 for 10' cord. Consult standard wiring detail on page 9.                                                                                                                                                                                                      |
| OCS4C                                | Fixture will bear a dry location label. Use when unswitched hot is required for battery pack options, consult standard wiring detail on page 9. Available with 120, 277 and 347 Volts only.                                                                                                                                                                              |
| OCU__                                | Must specify voltage. When 0-10V dimming leads are required, use C12S option. C12S option is not available with dimming sensors. Fixture will bear dry location label.                                                                                                                                                                                                   |
| OUTCTR                               | Not available with emergency batteries. Requires IBGMPMPHB accessory to mount fixture. Not available with cord set, ETS and IMP options.                                                                                                                                                                                                                                 |
| ROTO                                 | Available with IBG 8000LM, 12000LM, 15000LM, 18000LM, 24000LM, 30000LM or 36000LM only.                                                                                                                                                                                                                                                                                  |
| RRL                                  | When dimming leads are required use C12S option. Not for use with dimming sensors.                                                                                                                                                                                                                                                                                       |
| SF                                   | Available on 120, 277, 347V. Not available with MVOLT or HVOLT.                                                                                                                                                                                                                                                                                                          |
| SPD                                  | Standard with HVOLT, 347, 480, ETS, E10W, IE20WCPHE HVOLT, IE30WCPHE HVOLT, LSXR, NPP16 D ER and RPP20 D EM options. Standard with 8000LM when ordered with Haleon and NLTAIR2. Only specify MVOLT, 120, 208, 240, or 277V when additional surge protection is needed.                                                                                                   |
| THUN                                 | Maximum ambient temperature of standard fixture mounted with THUN is 113°F (45°C). Not available with MSIMPIBG, MSI360IMPIBG, NPP16 D options. Not available with 72000LM with ETS. Not for use with IMP option. Not for use with battery packs.                                                                                                                         |

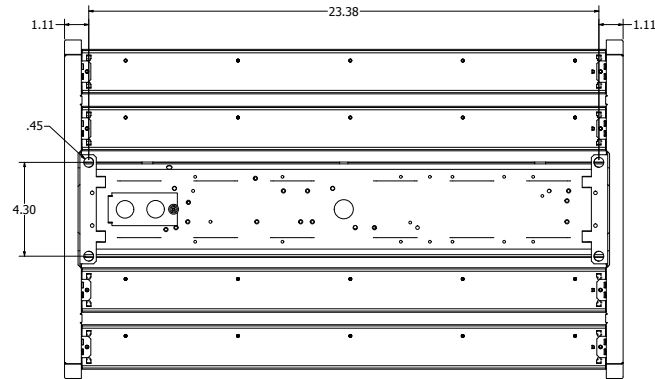
| ‡ Design Select Ordering Restrictions |                                                             |
|---------------------------------------|-------------------------------------------------------------|
| Option Value                          | Ordering Restrictions                                       |
| OCS, OCS4C (all lengths)              | Not on program when combined with 120V, 208V, 240V, or 347V |
| CPTLW                                 | Not on program when combined with 208V, 240V, or 347V       |

## ROTATABLE OPTICS

- Rotate in 30° increments, 0° - 180°
- Create Custom Distributions
- 30° - light up rack
- 90° - wall wash
- 180° - Uplight



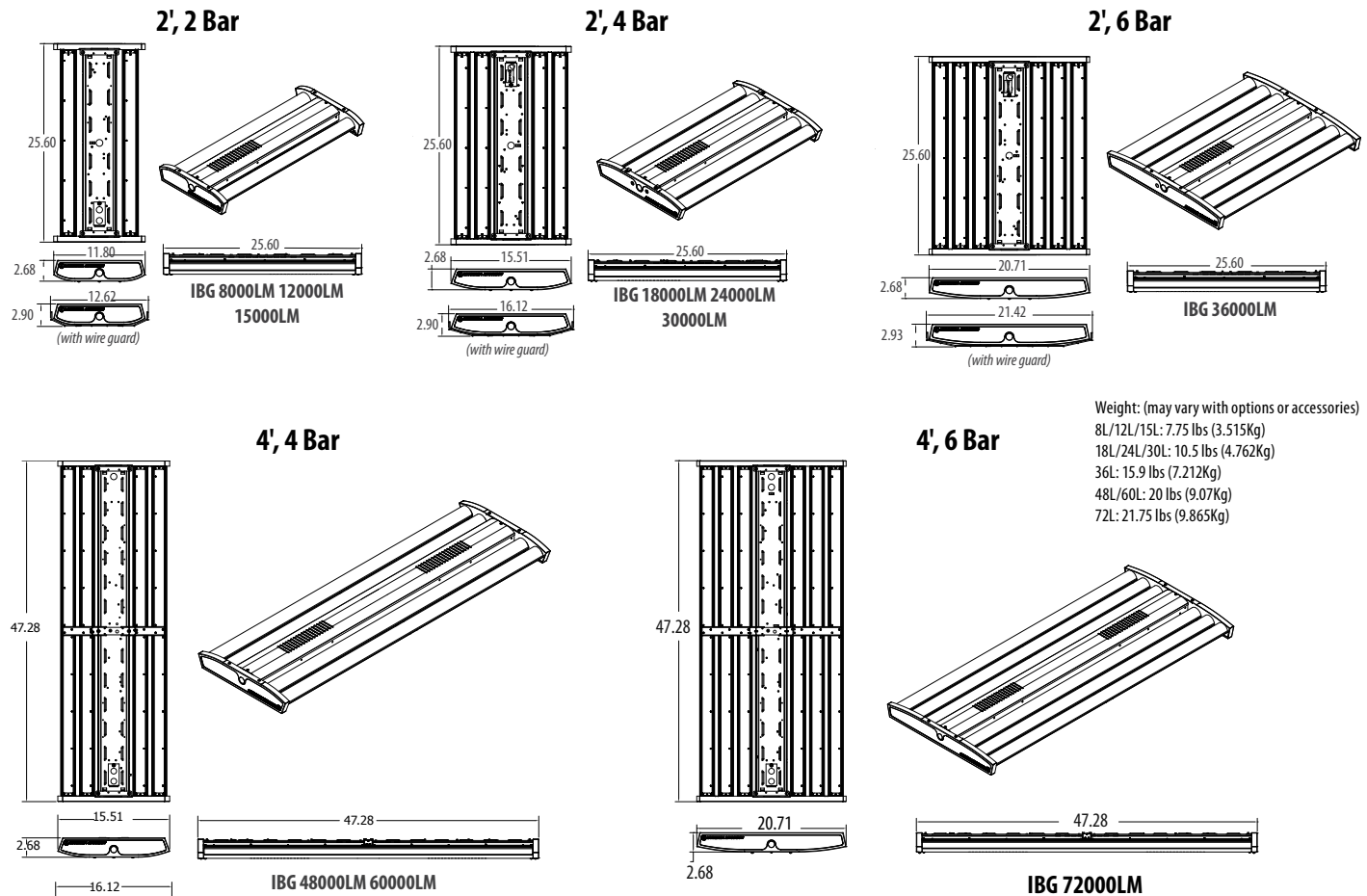
## HANGER HOLE DIMENSIONS



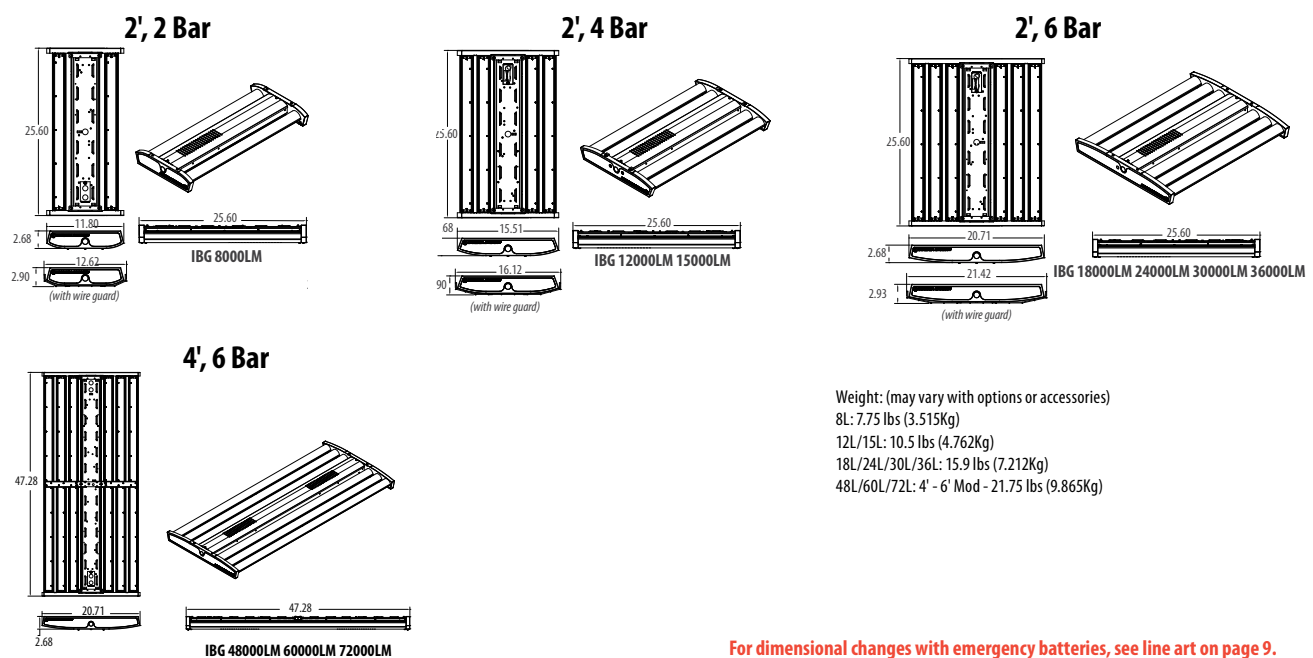
## LINE ART AND DIMENSIONS

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

### IBG SEF DIMENSIONS



### IBG HEF DIMENSIONS



For dimensional changes with emergency batteries, see line art on page 9.

## IBG OPERATIONAL DATA

| IBG SEF                                 |               |                | AFL GND                  |     |
|-----------------------------------------|---------------|----------------|--------------------------|-----|
|                                         |               |                | Acrylic Frosted, General |     |
|                                         | Lumen Package | Wattage (277V) | Lumen Output             | LPW |
| Delivered Lumens<br>4000K, 80CRI<br>SEF | 8000LM        | 48             | 7845                     | 163 |
|                                         | 12000LM       | 76             | 11856                    | 156 |
|                                         | 15000LM       | 93             | 14774                    | 159 |
|                                         | 18000LM       | 105            | 18531                    | 176 |
|                                         | 24000LM       | 144            | 24490                    | 170 |
|                                         | 30000LM       | 178            | 29586                    | 166 |
|                                         | 36000LM       | 218            | 35451                    | 163 |
|                                         | 48000LM       | 284            | 47261                    | 166 |
|                                         | 60000LM       | 357            | 59715                    | 167 |
|                                         | 72000LM       | 426            | 71168                    | 167 |
| Delivered Lumens<br>5000K, 80CRI<br>SEF | 8000LM        | 48             | 7970                     | 165 |
|                                         | 12000LM       | 76             | 12045                    | 158 |
|                                         | 15000LM       | 93             | 15010                    | 161 |
|                                         | 18000LM       | 105            | 18297                    | 174 |
|                                         | 24000LM       | 144            | 25046                    | 174 |
|                                         | 30000LM       | 178            | 30059                    | 169 |
|                                         | 36000LM       | 218            | 36018                    | 165 |
|                                         | 48000LM       | 284            | 48017                    | 169 |
|                                         | 60000LM       | 357            | 60670                    | 170 |
|                                         | 72000LM       | 426            | 72306                    | 170 |

| IBG HEF                                 |               |                | AFL GND                  |     |
|-----------------------------------------|---------------|----------------|--------------------------|-----|
|                                         |               |                | Acrylic Frosted, General |     |
|                                         | Lumen Package | Wattage (277V) | Lumen Output             | LPW |
| Delivered Lumens<br>4000K, 80CRI<br>HEF | 8000LM        | 47             | 7913                     | 167 |
|                                         | 12000LM       | 68             | 11944                    | 176 |
|                                         | 15000LM       | 85             | 14941                    | 176 |
|                                         | 18000LM       | 100            | 17902                    | 179 |
|                                         | 24000LM       | 134            | 23845                    | 178 |
|                                         | 30000LM       | 170            | 29819                    | 175 |
|                                         | 36000LM       | 214            | 35900                    | 168 |
|                                         | 48000LM       | 280            | 47662                    | 170 |
|                                         | 60000LM       | 343            | 57621                    | 168 |
|                                         | 72000LM       | 425            | 71124                    | 167 |
| Delivered Lumens<br>5000K, 80CRI<br>HEF | 8000LM        | 47             | 8092                     | 171 |
|                                         | 12000LM       | 68             | 12215                    | 180 |
|                                         | 15000LM       | 85             | 15280                    | 180 |
|                                         | 18000LM       | 100            | 18308                    | 183 |
|                                         | 24000LM       | 134            | 24386                    | 182 |
|                                         | 30000LM       | 170            | 30495                    | 179 |
|                                         | 36000LM       | 214            | 36715                    | 172 |
|                                         | 48000LM       | 280            | 48744                    | 174 |
|                                         | 60000LM       | 343            | 58929                    | 172 |
|                                         | 72000LM       | 425            | 72738                    | 171 |

## SCALING FACTOR TABLES

| CCT   | Multiplier |
|-------|------------|
| 3000K | 0.93       |
| 3500K | 0.96       |
| 4000K | 0.98       |
| 5000K | 1.00       |

| CRI   | Multiplier |
|-------|------------|
| 70CRI | 1.05       |
| 80CRI | 1.00       |
| 90CRI | 0.87       |

| General Distributions | Multiplier |
|-----------------------|------------|
| AFL GND               | 1.00       |
| ACL GND               | 1.01       |
| PFL GND               | 0.83       |
| L/Lens                | 1.04       |

| Other Distributions | Multiplier |
|---------------------|------------|
| AFL GND             | 1.00       |
| ATL ND              | 1.00       |
| ATL WD              | 1.00       |
| ATL AD              | 1.01       |

## 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.<br>Dimensions are for SEF fixtures. |       |       |                                     |
| 8000LM        | 48                  | 48   | 48   | 48   | 47              | 47   | 47   | 47   | 25.6                                                                                                     | 11.8  | 2.75  | 100W MH, 4-lamp T8 NBF              |
| 12000LM       | 77                  | 76   | 75   | 75   | 69              | 68   | 67   | 68   | 25.6                                                                                                     | 11.8  | 2.75  | 175W MH, 4-lamp T8 HBF, 2-lamp T5HO |
| 15000LM       | 95                  | 93   | 93   | 93   | 86              | 85   | 85   | 85   | 25.6                                                                                                     | 11.8  | 2.75  | 200W MH, 6-lamp T8 NBF              |
| 18000LM       | 106                 | 105  | 106  | 105  | 100             | 100  | 99   | 99   | 25.6                                                                                                     | 15.51 | 2.75  | 250W MH, 6-lamp T8 HBF, 4-lamp T5HO |
| 24000LM       | 147                 | 144  | 145  | 145  | 135             | 134  | 134  | 135  | 25.6                                                                                                     | 15.51 | 2.75  | 400W MH, 6-lamp T5HO                |
| 30000LM       | 182                 | 178  | 179  | 179  | 172             | 170  | 171  | 171  | 25.6                                                                                                     | 15.51 | 2.75  | 575W MH, 10-lamp T8 HBF             |
| 36000LM       | 223                 | 218  | 217  | 217  | 214             | 214  | 214  | 213  | 25.6                                                                                                     | 20.65 | 2.75  | 750W MH, 8-lamp T5HO                |
| 48000LM       | 290                 | 284  | 287  | 285  | 280             | 280  | 279  | 278  | 47.29                                                                                                    | 15.51 | 2.75  | 875W MH, 10-lamp T5HO               |
| 60000LM       | 365                 | 357  | 361  | 359  | 346             | 343  | 344  | 345  | 47.29                                                                                                    | 15.51 | 2.75  | 1000W MH                            |
| 72000LM       | 435                 | 426  | 431  | 428  | 428             | 425  | 426  | 427  | 47.29                                                                                                    | 20.65 | 2.75  | 1000W MH                            |

## PROJECTED LUMEN MAINTENANCE

| IBG 2ft & 4ft            |   |        |        |        |        |         |
|--------------------------|---|--------|--------|--------|--------|---------|
| Operating hours          | 0 | 15,000 | 30,000 | 45,000 | 60,000 | 100,000 |
| Lumen maintenance factor | 1 | 0.98   | 0.96   | 0.94   | 0.92   | 0.86    |

## IK RATING

| IK Rating           |      |
|---------------------|------|
| Poly-carbonate Lens | IK10 |
| Acrylic Lens        | IK06 |

## AMBIENT TEMPERATURE RATINGS

| LUMENS  | SUSPENDED | SUSPENDED SENSORS/ CONTROL | SURFACE | SURFACE SENSORS/ CONTROL | BATTERY | ETS |
|---------|-----------|----------------------------|---------|--------------------------|---------|-----|
| 8000LM  | 55        | 55                         | 45      | 45                       | 45      | 40  |
| 12000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 15000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 18000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 24000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 30000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 36000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 48000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 60000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |
| 72000LM | 55        | 55                         | 45      | 45                       | 40      | 40  |

## LUMENS VS. AMBIENT TEMPERATURE

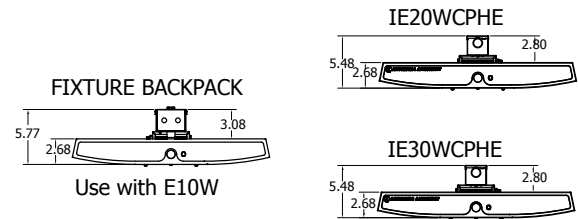
| Ambient °C | Ambient °F | Lumen Multiplier |
|------------|------------|------------------|
| 0          | 32         | 1.03             |
| 5          | 41         | 1.03             |
| 10         | 50         | 1.02             |
| 15         | 59         | 1.01             |
| 20         | 68         | 1.01             |
| 25         | 77         | 1                |
| 30         | 86         | 0.99             |
| 35         | 95         | 0.99             |
| 40         | 104        | 0.98             |
| 45         | 113        | 0.97             |
| 50         | 122        | 0.96             |
| 55         | 131        | 0.95             |

**Note:** Various add-on components such as sensors and batteries impact operating temperature range of IBG fixture. Consult component specification sheets or consult factory to determine if components have a different operating temperature range than IBG.

## EMERGENCY BATTERY PACK OPTIONS

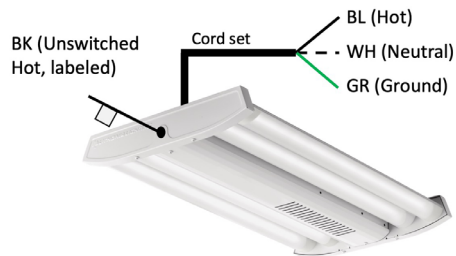
| Factory-Installed Nomenclature | Battery Part Number                 | Factory installed on back of fixture | Suitable for Field Installation |
|--------------------------------|-------------------------------------|--------------------------------------|---------------------------------|
| E10W                           | <a href="#">ILD 10</a>              | Yes                                  | No                              |
| IE20WCPHE (with MVOLT)         | <a href="#">ILBLP-CP20-HE-SD-HV</a> | Yes                                  | Yes                             |
| IE30WCPHE (with MVOLT)         | <a href="#">ILBLP-CP30-HE-SD-HV</a> | Yes                                  | Yes                             |
| IE20WCPHE (with HVOLT)         | <a href="#">ILBHI-CP20-HE-SD-HV</a> | Yes                                  | Yes                             |
| IE30WCPHE (with HVOLT)         | <a href="#">ILBHI-CP30-HE-SD-HV</a> | Yes                                  | Yes                             |

Note: ILBHI is standard HVOLT battery pack



## CORD SETS WITH EMERGENCY WIRING DETAILS

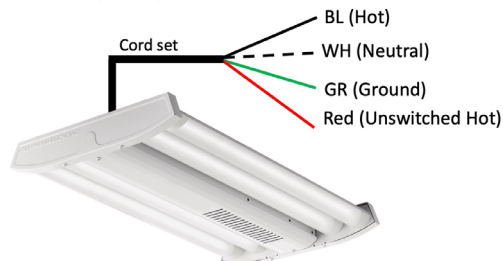
When battery is ordered with a 3-conductor cord set or Reloc® cord (OCS):



The 3 conductor cord set will include the hot (BL), neutral (WH), and ground (GR) conductors but not the unswitched hot for the battery.

- The unswitched hot for powering the battery (BK) will exit the fixture out of the KO of the backpack (for E10WCP batteries) or out of the KO on the end plate (all other battery options).
- If KO-mounted sensor is included, the unswitched hot will come out of opposite end plate KO.

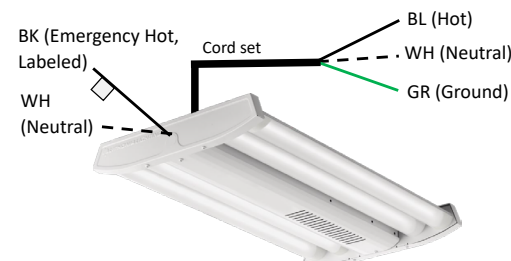
When battery is ordered with a 4-conductor cord set or Reloc® cord (OCS4C):



The 4 conductor cord set will include include the hot (BL), neutral (WH), and ground (GR) conductors AND the unswitched hot will be a separate conductor (RED).

**Note:** To get IBG wired from the factory for 24/7 operation, with on/off controlled by sensor rather than switch, contact your factory representative to request the normal hot and unswitched hot wired together in the fixture. Consult local codes to determine if this is allowable.

When ETS is used (individually or on ER sensor) with a 3-conductor cord set or Reloc® cord (OCS):



The 3 conductor cord set will include the hot (BL), neutral (WH), and ground (GR) conductors but not the dedicated hot and neutral for emergency function

- The emergency hot (BK) and neutral (WH) will exit the fixture out of the KO of the end plate.
- If KO-mounted sensor is included, the emergency hot and neutral will come out of opposite end plate KO.

## EMERGENCY LUMENS AFL GND (5000K 80CRI)

|     |       | E10W | IE20WCPHE | IE30WCPHE |
|-----|-------|------|-----------|-----------|
| SEF | 8000  | 2000 | -         | -         |
|     | 12000 | -    | 3900      | 5800      |
|     | 15000 | -    | 3900      | 5800      |
|     | 18000 | -    | 3900      | 5800      |
|     | 24000 | -    | 4000      | 6000      |
|     | 30000 | -    | 4000      | 6000      |
|     | 36000 | -    | 4000      | 6000      |
|     | 48000 | -    | 4000      | 6000      |
|     | 60000 | -    | 4000      | 6000      |
|     | 72000 | -    | 4000      | 6000      |

|     |       | E10W | IE20WCPHE | IE30WCPHE |
|-----|-------|------|-----------|-----------|
| HEF | 8000  | 2100 | -         | -         |
|     | 12000 | -    | 4200      | 6200      |
|     | 15000 | -    | 4200      | 6200      |
|     | 18000 | -    | 4300      | 6300      |
|     | 24000 | -    | 4300      | 6300      |
|     | 30000 | -    | 4300      | 6300      |
|     | 36000 | -    | 4300      | 6300      |
|     | 48000 | -    | 4300      | 6300      |
|     | 60000 | -    | 4300      | 6300      |
|     | 72000 | -    | 4100      | 6100      |

**Note:** Based on AFL GND, 50K, 80CRI. For emergency lumen output of specific model, please consult factory.

**Note:** IE20WCPHE & IE30WCPHE both for MVOLT and HVOLT battery packs.

## EMERGENCY LUMENS CROSS AFL GND (5000K, 80CRI)

|     |       | IE20WCPHE | IE30WCPHE |
|-----|-------|-----------|-----------|
| SEF | 12000 | 3900      | 5800      |
|     | 15000 | 3900      | 5800      |
|     | 18000 | 3900      | 5800      |
|     | 24000 | 4000      | 6000      |
|     | 30000 | 4000      | 6000      |
|     | 36000 | 4000      | 6000      |
|     | 48000 | 4000      | 6000      |
|     | 60000 | 4000      | 6000      |

## EMERGENCY OPERATION SCENARIOS

|                                          | Standard Sensor or Control Device<br>(commonly used with Battery Pack Option)                                                                                                                | EM Solution<br>(Used when switching single incoming hot to generator power)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ER Solution<br>(Used when switching to generator power via a 2nd hot lead)                                                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Emergency Lighting Strategy</b>       | *Luminaire-integral battery pack and emergency driver<br>*Generator transfer device                                                                                                          | *Diesel genset emergency backup supply<br>*Slow transfer inverter (>30ms) emergency backup supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | *Fast Transfer (FT) inverter emergency backup supply<br>*Uninterruptible Power System (UPS) emergency                                                                                                               |
| <b>Recommended Control Device Option</b> | *Not specifically listed for emergency use.<br>*Wired such that a separately listed emergency device provides emergency lighting power and/or control during loss of normal power scenarios. | *UL 924 listed<br>*EM devices will remain at their high-end trim and ignore wireless lighting control commands, such as in the event of a normal power failure, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.<br>*Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.<br>*Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing. | *UL 924 listed<br>*Utilizes dedicated Normal Power sensing leads to initiate lighting control override during loss of normal power scenarios.<br>*Requires connections to both emergency and normal power circuits. |

|                                                                                                                                                      | Function                       | Sequence of Operations                                                                                                                                                                                                                                                                                                                                                  | Standard Sensor or Control Device | EM Solution<br>(Generator 1 Hot) | ER Solution*<br>(Generator 2 Hots) | IBG Standard Sensor Settings |                       |           |                              |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------|------------------------------------|------------------------------|-----------------------|-----------|------------------------------|---------------------|
|                                                                                                                                                      |                                |                                                                                                                                                                                                                                                                                                                                                                         |                                   |                                  |                                    | Vacancy Time Out             | Dim to Off Time Delay | High Trim | Low Trim (Vacancy Dim Level) | Photocell Set Point |
| <b>Standalone Sensors</b><br>(Individual control per fixture)                                                                                        | On/Off                         | Lights turn on when motion detected; Upon vacancy, Lights turn off after timeout.                                                                                                                                                                                                                                                                                       | LSXR6                             | -                                | LSXR6 ER                           | 10 min                       | -                     | -         | -                            | -                   |
|                                                                                                                                                      | High/Low (Off)                 | "Lights turn on to high trim when presence is detected; Upon vacancy, the lights dim to low trim after timeout and turn off after "Dim To Off" Time Delay.<br>For High/Low (Never Off) function, bypass the relay by bringing power directly into driver rather than wiring hot through LSXR device."                                                                   | LSXR6 HL                          | -                                | LSXR6 HL ER                        | 10 min                       | 2.5 min               | 100%      | "10% (Driver Low)"           | -                   |
|                                                                                                                                                      | Photocell                      | Lights turn on unless ambient light level is above set point; If ambient light levels in the space exceed the photocell set point, lights will turn off even during occupancy.                                                                                                                                                                                          | LSXR6 P                           | -                                | LSXR6 P ER                         | -                            | -                     | -         | -                            | 4 fc                |
|                                                                                                                                                      | Dimming + Photocell            | Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, the lights dim to low trim, then turn off after timeout; During occupancy, automatically raise and lower electric light level to maintain set point and turn off, depending on ambient light.                                                                     | LSXR6 ADC                         | -                                | LSXR6 ADC ER                       | 10 min                       | 2.5                   | -         | -                            | 4 fc                |
|                                                                                                                                                      | Dimming + Photocell + High/Low | Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, lights dim to low trim after timeout and remain at low trim until presence is detected; Automatically raise and lower electric light level to maintain set point during occupancy and during vacancy keeps lights at low trim if ambient light is not sufficient. | LSXR6 ANL                         | -                                | LSXR6 ANL ER                       | 10 min                       | -                     | 100%      | 10%                          | 4 fc                |
| Note: For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". Ex. LSXR10 P. For High Aisle Mount sensors, replace "6" with "50". |                                |                                                                                                                                                                                                                                                                                                                                                                         |                                   |                                  |                                    |                              |                       |           |                              |                     |

|                                                                                            |                                            |                                                                                                                                                                                                                                                                                                                                                                         |           |   |              |        |                            |      |     |       |
|--------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|--------------|--------|----------------------------|------|-----|-------|
| <b>Bluetooth Sensors</b><br>(Configurable via mobile Bluetooth app)                        | On/Off                                     | Lights turn on when motion detected; Upon vacancy, Lights turn off after timeout.                                                                                                                                                                                                                                                                                       | HLN45 OCC | - | HLN45 OCC ER | 10 min | -                          | -    | -   | -     |
|                                                                                            | High/Low (Off)                             | Lights turn on to high trim when presence is detected; Upon vacancy, the lights dim to low trim after timeout and turn off after "Dim To Off" Time Delay.                                                                                                                                                                                                               | HLN45 HL  | - | HLN45 HL ER  | 10 min | 2.5 min                    | 100% | 10% | -     |
|                                                                                            | Dimming + Photocell                        | Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, the lights dim to low trim during timeout; During occupancy, automatically raise and lower electric light level to maintain set point and turn off, depending on ambient light.                                                                                   | HLN45 ADC | - | HLN45 ADC ER | 10 min | 2.5 min                    | -    | 10% | 50 fc |
|                                                                                            | Dimming + Photocell + High/Low (Never Off) | Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, lights dim to low trim after timeout and remain at low trim until presence is detected; Automatically raise and lower electric light level to maintain set point during occupancy and during vacancy keeps lights at low trim if ambient light is not sufficient. | HLN45 ANL | - | HLN45 ANL ER | 10 min | Never off due to occupancy | 100% | 10% | 50 fc |
| Note: For High Aisle Mount sensors, replace "45" in nomenclature with "45A". Ex. HLN45A HL |                                            |                                                                                                                                                                                                                                                                                                                                                                         |           |   |              |        |                            |      |     |       |

|                                                                                                                                                   |                                 |                                                                                                                                               |         |   |            |        |         |      |     |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|---|------------|--------|---------|------|-----|------|
| <b>nLight wired Networked Controls</b>                                                                                                            | Dimming + Photocell + Occupancy | Programmable network sensor - On/Off Occupancy detection with Dimming (includes dimming powerpack externally mounted to fixture access plate) | NCMB6   | - | NCMB6 ER   | 10 min | 7.5 min | 100% | 10% | 5 fc |
|                                                                                                                                                   | Dimming                         | Programmable On/Off control only with dimming - no sensor (device externally mounted to fixture access plate)                                 | NPP16 D | - | NPP16 D ER | -      | -       | 100% | 1%  | -    |
| Note: For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For high Aisle Mount sensors, replace "6" with "50". Ex: NCMB50 |                                 |                                                                                                                                               |         |   |            |        |         |      |     |      |

|                                                                                                                                                                                                                                                                         |                                 |                                                                                                                                                 |                 |            |                    |         |   |      |                  |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|--------------------|---------|---|------|------------------|-------|
| <b>nLight AIR Wireless Sensors</b>                                                                                                                                                                                                                                      | Dimming + Photocell + Occupancy | Wirelessly programmable network sensor - On/Off control with dimming, occupancy detection, and daylight harvesting (Sensor embedded in fixture) | NLTAIR2 RMSOD45 | RLSXR 6 EM | NLTAIR2 RMSOD45 ER | 7.5 min | - | 100% | 30%              | 50 fc |
|                                                                                                                                                                                                                                                                         | Dimming                         | Wirelessly programmable On/Off control with dimming - no sensor (Device embedded in fixture)                                                    | NLTAIR2 RIO     | RPP20D EM  | NLTAIR2 RIO ER     | -       | - | 100% | 10% (driver low) | -     |
| Note: For 360° integral Low Mount sensors, replace "45" in nomenclature with "7". For high Aisle Mount sensors, replace "45" with "45A". Ex: NLTAIR2 RMSOD45A<br>EM sensors/controls are KO-mounted; all others integral. RPP20 D EM de-rates fixture to Damp Location. |                                 |                                                                                                                                                 |                 |            |                    |         |   |      |                  |       |

**\*All ER solutions except nLight wired, include standard sensor or control device with a factory-installed Iota ETS##-DR (UL924 bypass device). This device is integral to the fixture and will include a hot and neutral lead for the dedicated emergency circuit.**

## JOB PACK QUANTITIES

| Series | Performance | Lumens  | Job Pack Quantities           |                                 |                  |              |
|--------|-------------|---------|-------------------------------|---------------------------------|------------------|--------------|
|        |             |         | Standard / Base configuration | With Sensor, Cord Set, or RELOC | With Wire guards | With Battery |
| IBG    | SEF         | 8000LM  | 90                            | 60                              | 60               | 48           |
|        |             | 12000LM |                               |                                 |                  |              |
|        |             | 15000LM |                               |                                 |                  |              |
|        |             | 18000LM | 64                            | 40                              | 40               | 32           |
|        |             | 24000LM |                               |                                 |                  |              |
|        |             | 30000LM |                               |                                 |                  |              |
|        |             | 36000LM | 52                            | 32                              | 32               | 28           |
|        |             | 48000LM | 30                            | 24                              | 20               | 14           |
|        |             | 60000LM | 26                            | 18                              | 18               | 14           |
|        |             | 72000LM |                               |                                 |                  |              |
|        | HEF         | 8000LM  | 90                            | 60                              | 60               | 48           |
|        |             | 12000LM | 64                            | 40                              | 40               | 32           |
|        |             | 15000LM |                               |                                 |                  |              |
|        |             | 18000LM |                               |                                 |                  |              |
|        |             | 24000LM | 52                            | 32                              | 32               | 28           |
|        |             | 30000LM |                               |                                 |                  |              |
|        |             | 36000LM |                               |                                 |                  |              |
|        |             | 48000LM | 26                            | 18                              | 18               | 14           |
|        |             | 60000LM |                               |                                 |                  |              |
|        |             | 72000LM |                               |                                 |                  |              |

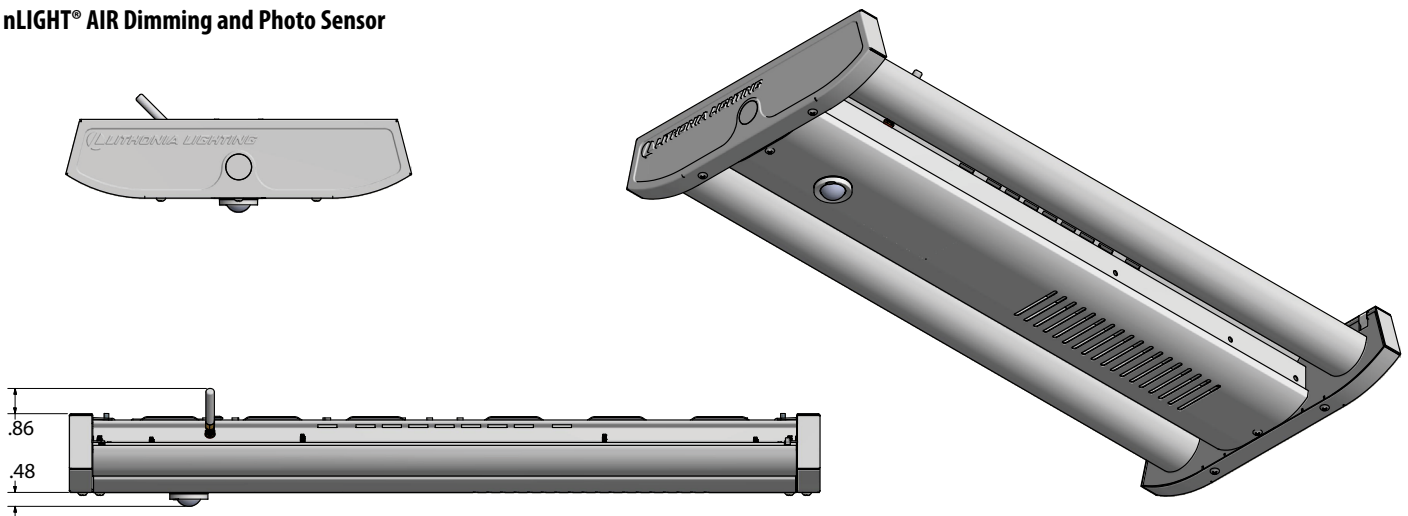
### Breakout Example:

|                      |         |                                                             |
|----------------------|---------|-------------------------------------------------------------|
| <b>Ordered Line:</b> | Qty: 90 | IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI LSXR6 DWH JP   |
|                      |         | *Above configuration shows 40 units for Job Pack            |
| Breakout Line 1:     | Qty: 80 | IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI LSXR6 DWH JP40 |
|                      |         | *Will have 2 pallets of 40 units each                       |
| Breakout Line 2:     | Qty: 10 | IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI LSXR6 DWH      |
|                      |         | *Balance will ship in unit cartons                          |

Note: If quantity ordered is less than Job Pack quantity for that configuration, the breakout line will default to unit packs.

## nLIGHT AIR SENSOR - RMSOD

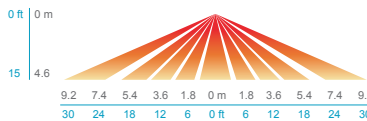
### nLIGHT® AIR Dimming and Photo Sensor



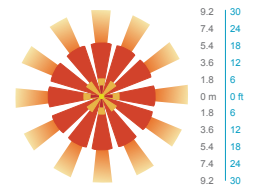
## 7 - MINI-LOW BAY 360° LENS

- Recommended for walking motion detection from mounting heights between 8 ft (2.44m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m)
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74)
- Initial detection will occur earlier when walking across sensor's field of view than walking directly at sensor

SIDE VIEW



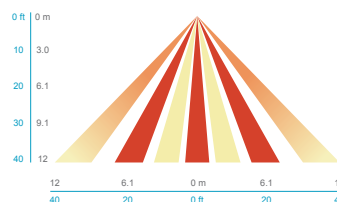
TOP VIEW



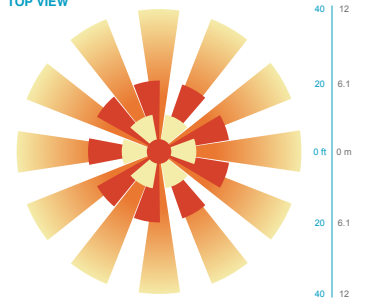
## 45- HIGH MOUNT 360°

- 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

SIDE VIEW



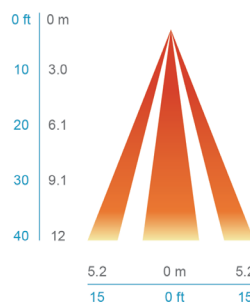
TOP VIEW



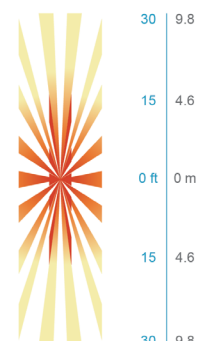
## 45A HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aiseways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.5X'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

SIDE VIEW



TOP VIEW



## 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                                    | LSXR6 LT or LA00STU     | 10 minutes           | Disabled          | n/a                 | n/a      | 100%      | Disabled                                |
| HLNxxx HL   | Occupancy w/ 0-10V Dimming (High/Low/Off)                | LSXR6 HL LT or LAH0STU  | 10 minutes           | Disabled          | n/a                 | 10%      | 100%      | 2.5 minutes                             |
| HLNxxx ADC* | Occupancy w/ Dim & Switch Photocell                      | LSXR6 ADC LT or LAM0STU | 10 minutes           | On/Off & Auto Dim | 50 fc               | 10%      | 100%      | 2.5 min                                 |
| HLNxxx ANL  | Dim & Switch Photocell with High/Low Occupancy Operation | LSXR6 ANL LT or LAG0STU | 10 minutes           | On/Off & Auto Dim | 50 fc               | 10%      | 100%      | Stay Dim/<br>Never off due to occupancy |

**Note:** Lens detection noted in place of 'xxx'

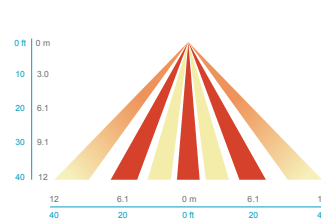
\*HLN ADC includes a 2.5 minute dim to off not found in LSXR ADC.

## HALEON COVERAGE PATTERNS

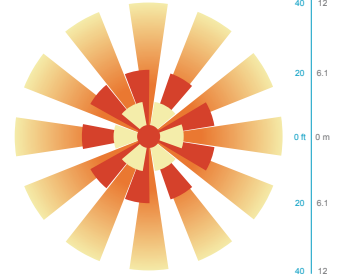
### 45° HIGH MOUNT 360°

- Optimized full coverage pattern for 10 – 50 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



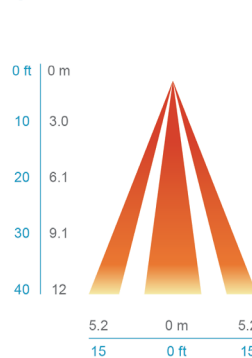
TOP VIEW



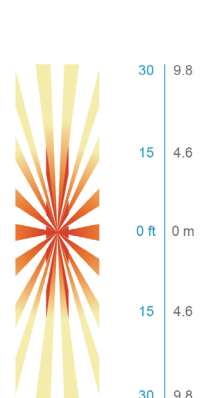
### 45A HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aisleways with 10 – 50 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)

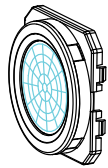
- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- 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> |                        |                               |
| <b>LSXR50 / LCOZU</b>                                                       | CMRB 50                | MSI                           |
| <b>LSXR50 HL / LCHOSZU</b>                                                  | CMRB 50 D              | MSID                          |
| <b>LSXR50 P / LCPZU</b>                                                     | CMRB 50 P              | MSIPED                        |
| <b>LSXR6 / LAOZU</b>                                                        | CMRB 6                 | MSI360                        |
| <b>LSXR6 HL / LAHOSZU</b>                                                   | CMRB 6 D               | MSI360D                       |
| <b>LSXR6 P / LAPZU</b>                                                      | CMRB 6 P               | MSI360PED                     |



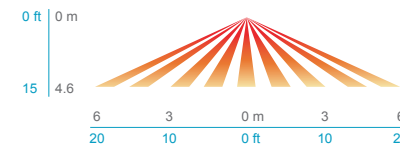
## LSXR COVERAGE PATTERNS

### HIGH MOUNT 360° LENS (#6)

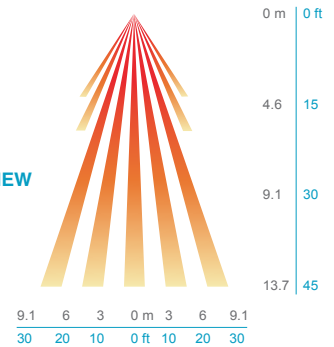


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g.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

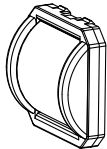
LOW VIEW



HIGH VIEW

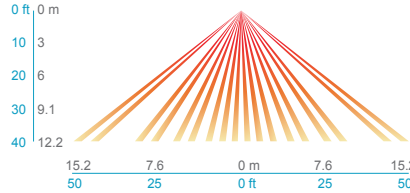


### HIGH MOUNT AISLEWAY LENS (#50)

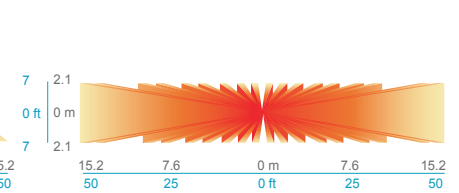


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

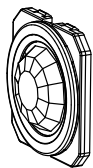
SIDE VIEW



TOP VIEW

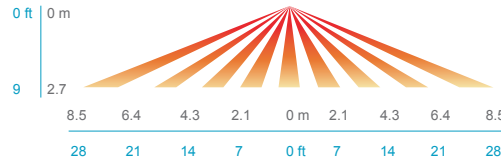


### LOW MOUNT 360° LENS (#10)

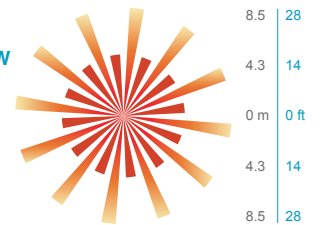


- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft2) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when walking across beams compared to into beams

SIDE VIEW



TOP VIEW



## RMSOD

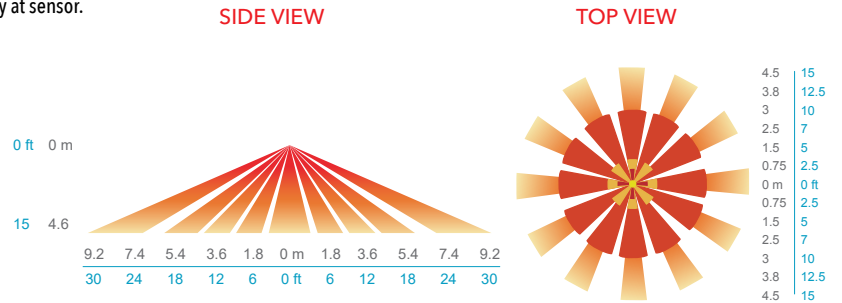
- 100% digital PIR detection
- Combined daylight and occupancy sensor
- Fully dimmable via digital or analog dimming protocols, providing the right amount of light for the application and to optimize energy savings
- Optional UL 924 emergency functionality via EM option, which eliminates wiring for sensing normal power

## COVERAGE PATTERN

Lens rotates 15 deg to enable adjustment. Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

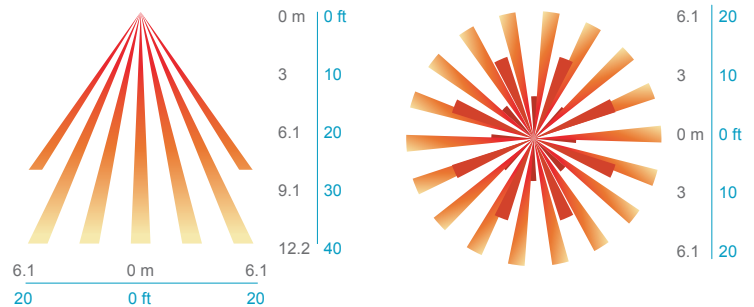
### 7 - MINI LOW-BAY 360°

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axis at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)



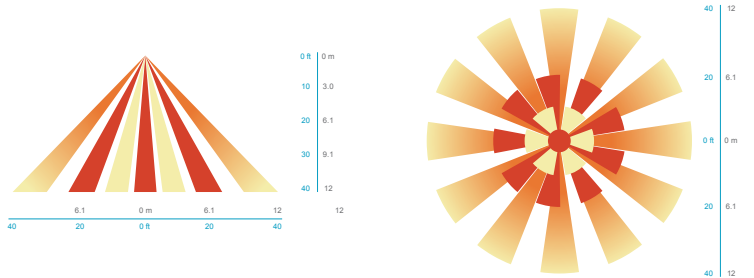
### 30 - UNIVERSAL 360°

- Provides excellent detection of large motion (e.g. walking) when mounted between 15 to 40 ft (4.57 to 12.19 m)
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Recommended for fixtures that have a 1:1 spacing to mounting height ratio or less (e.g. fixtures 30' on center or less @ a 30' mounting height.)



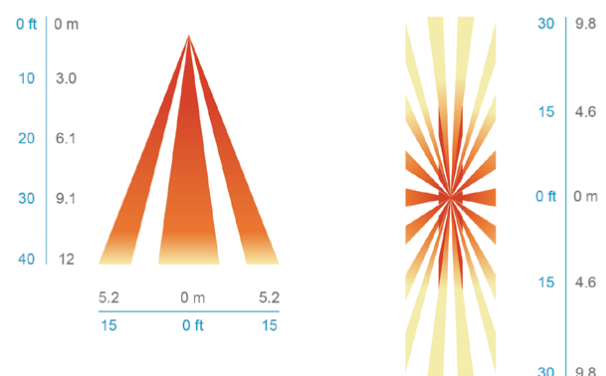
### 45 - HIGH MOUNT 360°

- 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



### 45A - HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aiseways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.5x'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



## IMP - Integrated Modular Plug

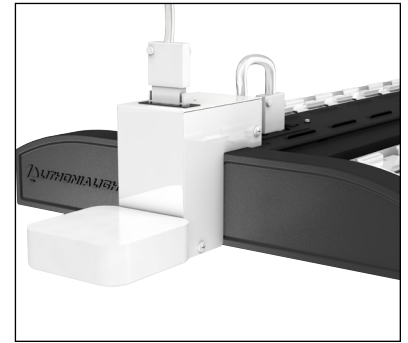
- The integrated modular plug (IMP) option allows the installer to plug and play a multitude of accessories.
- Cord sets connect quickly to any fixture with IMP option.
- IMP accessories include occupancy sensors, photocells, X-point relays.

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

| IMP compatible sensors |              |
|------------------------|--------------|
| <b>MSIIMP</b>          | Aisle sensor |
| <b>MSI360IMP</b>       | 360° sensor  |

### Ordering Example

Order As: Qty 1 - IBG 12000LM SEF AFL GND 120 GZ10 40K 80CRI IMP CP5BW DWH  
 Ships As: Qty 1 - IBG 12000LM SEF AFL GND MVOLT GZ10 40K 80CRI DWH  
 Qty 1 - CS1WIMP



### Notes

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

## RRL - RELOC®-Ready Luminaire

- RRL connectors to be used with the OnePass system.
- 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 | <p>A Hot conductor wired to position #1 (phase A); non-dimming</p> <p>B Hot conductor wired to position #2 (phase B); non-dimming</p> <p>AE Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming<sup>1</sup></p> <p>C12S Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3; dimming<sup>2</sup></p> |

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

(click to view RELOC product page for more information)



### Notes

- <sup>1</sup> AE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode. Requires fixture to have battery option.
- <sup>2</sup> C12S option is used with the OnePass for 0-10V/DALI applications. Not for use with dimming sensors.