LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

T-BEAM® LED

LED High Bay

IBG



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, 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, IK ratings page 8. 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.

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. 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 to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

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**	**P7TZZ4ZV**	√
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**	**P85EZXU7**	√
IBG 24000LM SEF AFL GND MVOLT GZ10 50K 80CRI DWH	**IBG 24L MVOLT 5K**	**PQ5CSK48**	√

A+ Capable Luminaire

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

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

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

IBG LED High Bay

A+ Capable options indicated by this color background.

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

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

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

Options

Emergency batteries ‡

E10WCP	10W emergency battery pack, Certified in CA Title 20 MAEDBS ‡
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 ‡
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 11 for ordering information ‡
WGX	Standard wire guard, installed (not available with Haleon sensor)
ROTO	Rotateable optics ‡
JP	Job Pack Packaging (Consult table on page 10 for details)

Cord sets ‡

CPSBW	6' white damp location cord with straight blade plug (voltage will match fixture)
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)

Individual Controls (LSXR): ‡

LSXR6	360° integral high mount motion sensor with standard on/off operation (formerly LAOZU) LINK
LSXR6 HL	360° integral high mount motion sensor with high/low/(Off) occupancy operation (formerly LAHOSZU) (For High/Low only, bypass relay)
LSXR6 P	360° integral high mount motion sensor with On/Off switching photocell (formerly LAPZU)
LSXR6 ADC	360° integral high mount motion sensor with dimming & switching photocell (formerly LAMOSZU)
LSXR6 ANL	360° integral high mount motion sensor with High/Low (Off) occupancy dimming & auto-dimming photocell;

*For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For High Mount Aisleway sensors, replace "6" in nomenclature with "50".
Ex: LSXR10 ADC

Individual Controls with Bluetooth Programming (Haleon) ‡

HLN45 OCC	360° integral high mount motion sensor; Bluetooth enabled LINK (formerly HLN360)
HLN45 HL	360° integral high mount motion sensor with High/Low (Off) occupancy detection; Bluetooth enabled (formerly HLN360HL)
HLN45 ADC	360° integral high mount motion sensor. On/Off occupancy detection with auto-dimming photocell; Bluetooth enabled (formerly HLN360ADC)
HLN45 ANL	360° integral high mount motion sensor with High/Low (Off) occupancy dimming & auto-dimming photocell; Bluetooth enabled (formerly HLN360ANL)

*For integral Aisle Mount sensors, replace "45" in nomenclature with "45A".
Ex: HLN45A ADC

C6D0SUEM	360° high mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or ETS) ‡

*For Low Mount sensor, replace "6" in nomenclature with "10"

nLight Wired Network Controls

NCMB6	nLight High Mount Occupancy Sensor with Dimming, pre-wired LINK (Includes dimming Power Pack) ‡
NPP16 D	nLight dimming & switching module LINK ‡

*For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For high Aisle Mount sensors, replace "6" with "50".
Ex: NCMB50

nLight AIR Wireless Controls ‡

NLTAIR2 RMSOD45	nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor LINK
NLTAIR2 RIO	nLight AIR (wireless) gen 2 control device (dimming & switching) LINK

*For 360° integral Low Mount sensors, replace "45" in nomenclature with "7". For high Aisle Mount sensors, replace "45" with "45A".
Ex: NLTAIR2 RMSOD45A

**For guidance on which sensors to use with emergency generator power, consult table on page 9.

Finish

DNA	Natural aluminum
DWH	Gloss white
MB	Matte black

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

INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-Industrial@acuitybrands.com www.lithonia.com

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Accessories: *Order as separate catalog number.*

Mounting:

IBAC120 M100	Aircraft cable 10' with hook (one pair)
IBAC240 M75	Aircraft cable 20' with hook (one pair)
IBHMP	Hook monopoint
HBBS36	Chain hanger with chain, 36" (one pair)
IBGACVH	Aircraft 10' V hanger (one pair)
IBGPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) for use with OUTCTR option, not available with BPK option
THUN	Tong hanger bracket (order 2 per fixture) ‡

Cord sets and sensors for IMP option:

CS1WIMP	Straight plug, 120V
CS3WIMP	Twist-lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS25WIMP	Twist-lock 347V
CS93WIMP	600V SO white cord, no plug (no voltage required)
CS97WIMP	Twist-lock 480V
MSIIMPIBG	Aisle sensor for use with IMP option
MSI360IMPIBG	360° sensor for use with IMP option

*Base fixture must be ordered with IMP option when ordering this accessory.

Wire guards (gloss white*) - not available with Haleon sensor

	SEF Lumen Packages	HEF Lumen Packages
WGIBG22	8000LM, 12000LM, 15000LM	8000LM
WGIBG24	18000LM, 24000LM, 30000LM	12000LM, 15000LM
WGIBG26	36000M	18000LM, 24000LM, 30000LM, 36000LM
WGIBG44	48000LM, 60000LM	-
WGIBG46	72000LM	48000LM, 60000LM, 72000LM

*For DNA wire guards, add DNA to end of nomenclature. Ex: WGIBG26DNA

*For MB wire guards, add MB to end of nomenclature. Ex: WGIBG26MB

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	TL	Locking Type	20A	20 amps	12	12 gauge	4C	4 conductors; Use with Battery option when unswitched hot is needed	W	White			3FT	3 feet
		SB	Straight blade*			14	14 gauge	5C	5 conductors; Use when fixture has 2 drivers and separate operation is required					10FT	10 feet
						16	16 gauge	5CD ***	5 conductors; Use with dimming driver when Purple/Gray dimming leads are desired (Not for use with dimming sensors)					12FT	12 feet
														15FT	15 feet
														20FT	20 feet

* Not available wet location.

** Amperage is only configurable for cords with plugs

*** Not available with plugs.

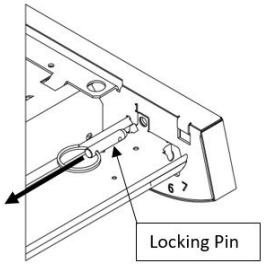
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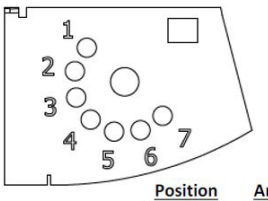
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‡ Option Value Ordering Restrictions	
Option value	**Restriction**
347	Not available with ETS or emergency batteries.
36000LM	Not available with ETS. When ordering 347V or 480V with NLTAIR2 or Haleon, **fixture utilizes backpack adding 3.09" depth to fixture (see page 8 for line art).**
480	Not available with ETS, NPP16 D, NPP16 D ER, NPP16 D EM, or emergency batteries.
8000LM	When ordering 347V or 480V with NLTAIR2 or Haleon option, **fixture utilizes backpack adding 3.09" depth to fixture (see page 8 for line art).**
90CRI	Only available with SEF. 90CRI configurations have longer lead times.
C6D0SUEM	Daylight harvesting functionality not enabled by default. See page 12 for default sequence of operation. Utilizes XPA CMRB6. Not available with 36000LM. Not available with other controls.
Cord sets	Must specify voltage on cord sets with plugs. Cords come standard out center back of fixture. Refer to cord set ordering table, page 3 for more configurations. Non-standard configurations have extended lead times.
DF	Available on 208, 240, 480V. Not available with MVOLT or HVOLT.
E10WCP	Only available with 8000LM. MVOLT only. Not available with IMP option. **Fixture utilizes backpack, adding 3.08" to fixture depth (see page 8 for line art).**
Emergency batteries	Not available with IMP option. Emergency batteries alter fixture construction, (see pg. 6 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 8.
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 ETS20 DR for 72000LM and ETS 924 DR for all others.
HVOLT	Not available with ETS, nPP16 D, nPP16 D ER, RPP20 D EM, sensor solutions, or emergency batteries.
IE20WCPHE	MVOLT only. Not available with 8000LM or IMP option. **Battery adds 2.8" depth to fixture (see page 8 for line art).**
IE30WCPHE	MVOLT only. Not available with 8000LM or IMP option. **Battery adds 2.8" depth to fixture (see page 8 for line art).**
IMP	Must specify voltage. Not available with NLight wired sensors, batteries, or OUTCTR option. Fixture requires IMP power cord accessory.
Individual controls (Haleon)	Refer to page 12 for Haleon sensor default settings matrix. When ordered with ER sensor, ETS is used. Not available with other controls.
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 9 for additional LSXR ordering options.
nLight wireless	Not available with Haleon or nLight wired options. When ordered with ER sensor, ETS is used. Not available with other controls.
L/LENS	Lens is always recommended.
NCMB6	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. Order OCS10 for 10' cord. Consult standard wiring detail on page 8.
OCS4C	Fixture will bear a dry location label. Use when unswitched hot is required for battery pack options, consult standard wiring detail on page 8.
OCU_	Must specify voltage. When 0-10V dimming leads are required, use C12S option. C12S option is not availalble with dimming sensors. Fixture will bear dry location label.
OUTCTR	Not available with emergency batteries. Requires IBGPMPHB 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, PS10250, E10WCP, LSXR, and NPP16 D , NPP16 D ER, RPP20 D EM options. Standard with 8000LM and 36000LM when order with Haleon and NLTAIR2. Only specify for 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 MSIIMPIBG, MSI360IMPIBG, NPP16 D options, or any configurations that utilize fixture backpack (see pg. 8 for batteries that use a backpack). Not available with 72000LM with ETS.

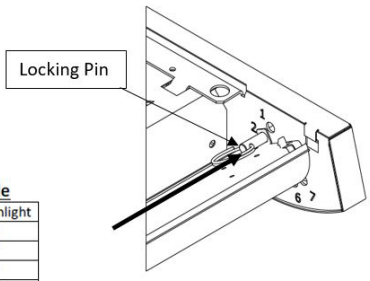
ROTATABLE OPTICS

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





Position	Angle
1	0° - Downlight
2	30°
3	60°
4	90°
5	120°
6	150°
7	180° - Uplight



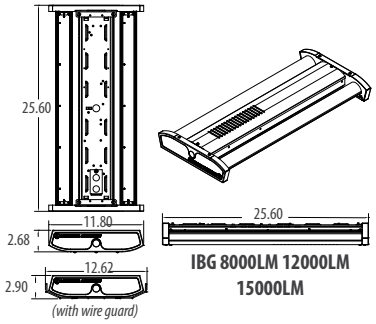
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LINE ART AND DIMENSIONS

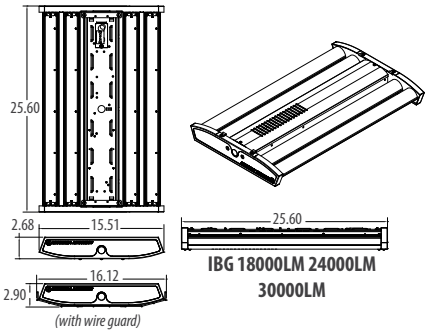
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

IBG SEF DIMENSIONS

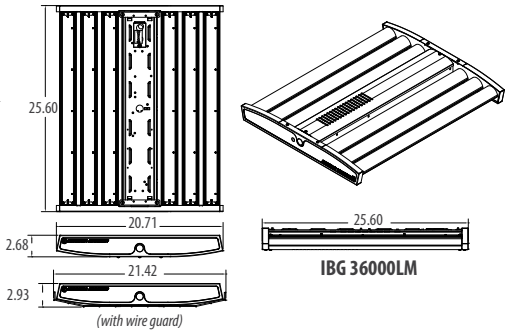
2', 2 Bar



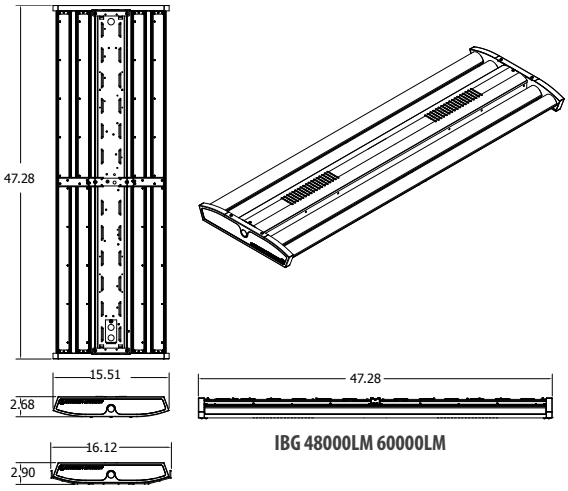
2', 4 Bar



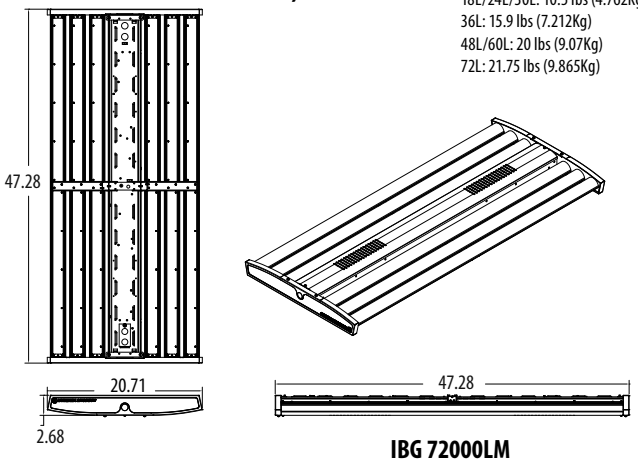
2', 6 Bar



4', 4 Bar



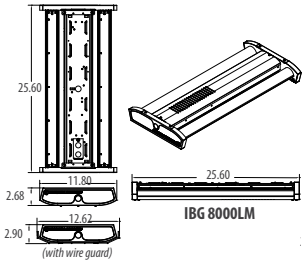
4', 6 Bar



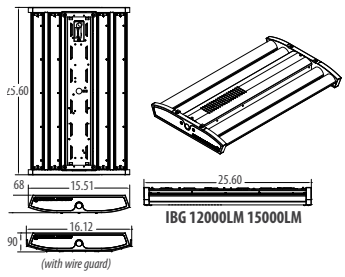
Weight: (may vary with options or accessories)
8L/12L/15L: 7.75 lbs (3.515Kg)
18L/24L/30L: 10.5 lbs (4.762Kg)
36L: 15.9 lbs (7.212Kg)
48L/60L: 20 lbs (9.07Kg)
72L: 21.75 lbs (9.865Kg)

IBG HEF DIMENSIONS

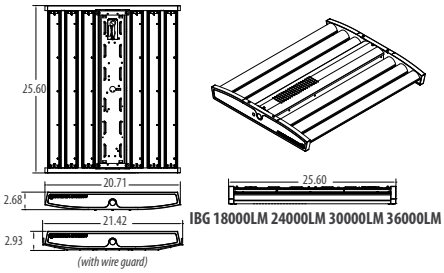
2', 2 Bar



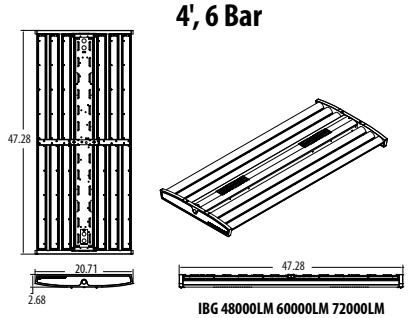
2', 4 Bar



2', 6 Bar



4', 6 Bar



Weight: (may vary with options or accessories)
8L: 7.75 lbs (3.515Kg)
12L/15L: 10.5 lbs (4.762Kg)
18L/24L/30L/36L: 15.9 lbs (7.212Kg)
48L/60L/72L: 4' - 6' Mod - 21.75 lbs (9.865Kg)

For dimensional changes with emergency batteries, see line art on page 8.

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IBG OPERATIONAL DATA

IBG SEF			AFL GND	
			Acrylic Frosted, General	
	Lumen Package	Wattage (277V)	Lumen Output	LPW
Delivered Lumens 4000K, 80CRI 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 5000K, 80CRI 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 4000K, 80CRI 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 5000K, 80CRI 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.

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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. 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

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.

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

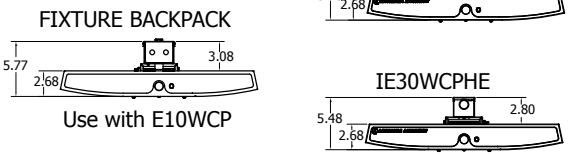
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EMERGENCY BATTERY PACK OPTIONS

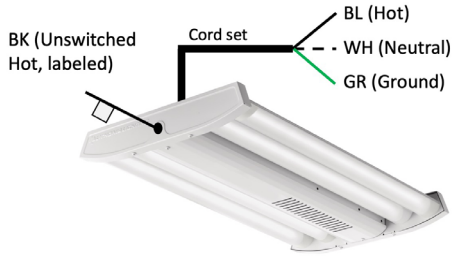
Factory-Installed Nomenclature	Battery Part Number	Utilizes BPK?*	Suitable for Field Installation
E10WCP	PS1055CP	Yes	No
IE20WCPHE	ILB-LP-CP20-HE-SD-HV	No	Yes
IE30WCPHE	ILB-LP-CP30-HE-SD-HV	No	Yes
-	ILBHI-CP20-HE-SD-HV	-	Yes
-	ILBHI-CP30-HE-SD-HV	-	Yes

Note: ILBHI is standard HVOLT battery pack



CORD SETS WITH EMERGENCY WIRING DETAILS

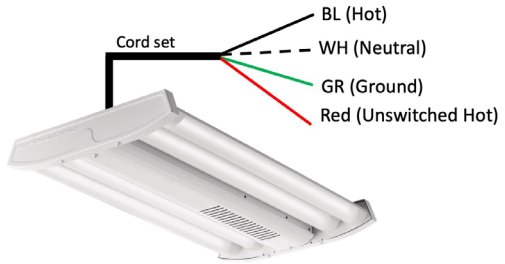
When battery is ordered with a 3-conductor cord set or Reloc® cord (OCS):



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.

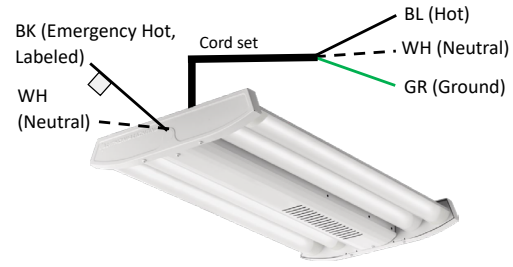
When battery is ordered with a 4-conductor cord set or Reloc® cord (OCS4C):



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)

		E10WCP	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

		E10WCP	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.

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

		OLD BATTERY	NEW BATTERY	OLD BATTERY	NEW BATTERY
		PS10250	IE20WCPHE	PS30250	IE30WCPHE
SEF	12000	1400	3900	4300	5800
	15000	1400	3900	4300	5800
	18000	1400	3900	4300	5800
	24000	2900	4000	3600	6000
	30000	2900	4000	3600	6000
	36000	2900	4000	3600	6000
	48000	2900	4000	3600	6000
	60000	2900	4000	3600	6000

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EMERGENCY OPERATION SCENARIOS

	Standard Sensor or Control Device (commonly used with Battery Pack Option)	**EM Solution** (Used when switching single incoming hot to generator power)	**ER Solution** (Used when switching to generator power via a 2nd hot lead)
Emergency Lighting Strategy	*Luminaire-integral battery pack and emergency driver *Generator transfer device	*Diesel genset emergency backup supply *Slow transfer inverter (>30ms) emergency backup supply	*Fast Transfer (FT) inverter emergency backup supply *Uninterruptible Power System (UPS) emergency
Recommended Control Device Option	*Not specifically listed for emergency use. *Wired such that a separately listed emergency device provides emergency lighting power and/or control during loss of normal power scenarios.	*UL924 listed *Utilizes Power Interruption Detection to initiate lighting control override during loss of normal power scenarios. *Requires power interruption > 30 ms to luminaire during transfer to emergency backup supply.	*UL924 listed *Utilizes dedicated Normal Power sensing leads to initiate lighting control override during loss of normal power scenarios. *Requires connections to both emergency and normal power circuits.

	Function	Sequence of Operations	**Standard Sensor or Control Device**	**EM** Solution (Generator 1 Hot)	**ER** Solution* (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
Standalone Sensors (Individual control per fixture)	On/Off	Lights turn on when motion detected; Upon vacancy, Lights turn off after timeout.	**LSXR6**	SBOR6 OEX EM	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. 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**	SBOR6 ODP EM	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".									
Bluetooth Sensors (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	-	-	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	-	100%	10%	50 fc
	Note: For High Aisle Mount sensors, replace "45" in nomenclature with "45A". Ex. HLN45A HL									
nLight wired Networked Controls	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									
nLight AIR Wireless Sensors	Dimming + Photocell + Occupancy	Wirelessly programmable network sensor - On/Off control with dimming, occupancy detection, and daylight harvesting (Sensor embedded in fixture)	**NLTAIR2 RMSOD45**	NLTAIR2 RLSXR6 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**	NLTAIR2 RPP20 D 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 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.**

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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 12000LM 15000LM	90	60	60	48
		18000LM 24000LM 30000LM	64	40	40	32
		36000LM	52	32	32	28
		48000LM 60000LM	30	24	20	14
		72000LM	26	18	18	14
	HEF	8000LM	90	60	60	48
		12000LM 15000LM	64	40	40	32
		18000LM 24000LM 30000LM 36000LM	52	32	32	28
		48000LM 60000LM 72000LM	26	18	18	14

Breakout Example:

Ordered Line:	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.

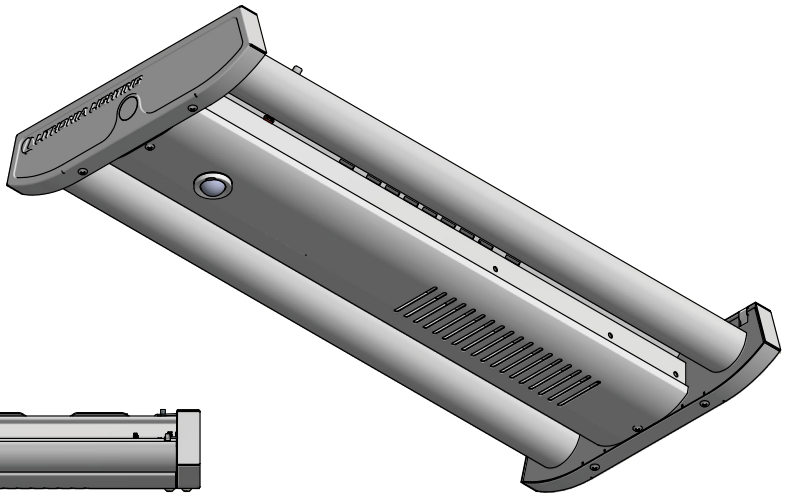
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nLIGHT AIR SENSOR - RMSOD

nLIGHT® AIR Dimming and Photo Sensor

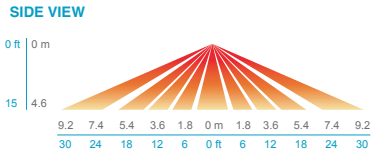






7 - MINI-LOW BAY 360° LENS

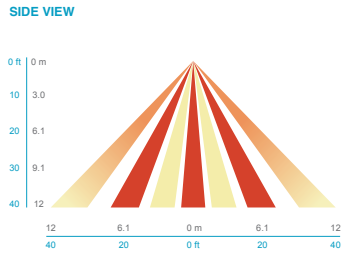
- Recommended for walking motion detection from mounting heights between 8 ft (2.44m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m)and 1.75x up to 20 ft (6.10 m)
- Provides 12 ft (3.66 m) radial detection of small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

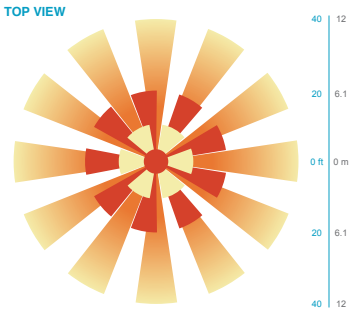




45- HIGH MOUNT 360°

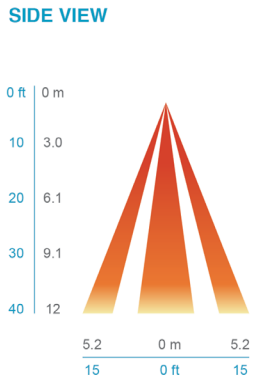
- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height

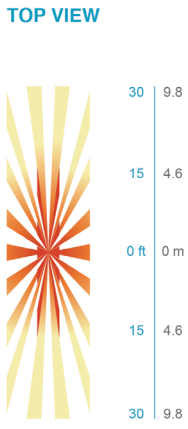




45A HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aisleways 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





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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 Aiselway 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).



Bluetooth®

Haleon Default Programming

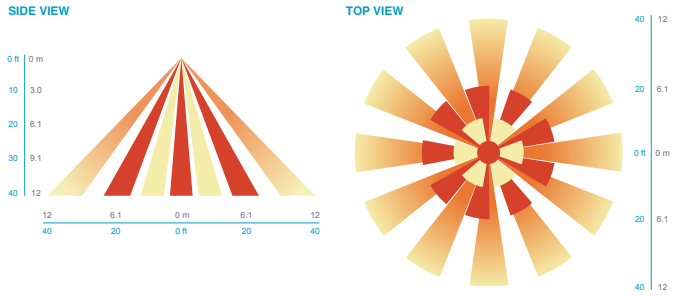
Model	Default Operation	LSXR Equivalent	Occupancy Time Delay	Photocell Mode	Photocell Set-point	Low Trim	High Trim	Dim to Off Time Delay
HLNxxx	On/Off Occupancy Only	LSXR6 LT or LAO0STU	10 minutes	Disabled	n/a	n/a	100%	Disabled
HLNxxx HL	Occupancy w/ 0-10V Dimming (High/Low/Off)	LSXR6 HL LT or LAH0STU	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%	0 seconds
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/ Never Off

Note: Lens detection noted in place of 'xxx'

HALEON COVERAGE PATTERNS

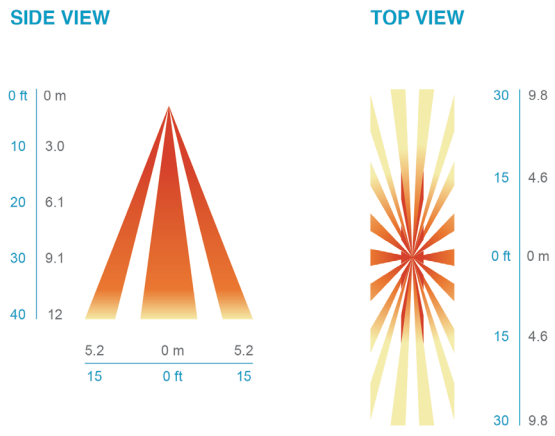
45- HIGH MOUNT 360°

- 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
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired



45A HIGH MOUNT AISLEWAY

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

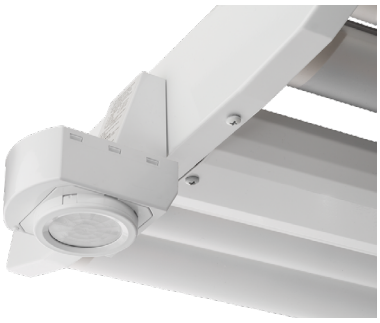


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LSXR – Fixture Mount Occupancy Sensor (see www.AcuityControls.com for additional information)

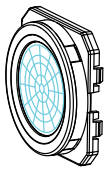
- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- 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
For shortest lead times use one of the following LSXR configurations		
LSXR50 / LC0ZU	CMRB 50	MSI
LSXR50 HL / LCH0SZU	CMRB 50 D	MSID
LSXR50 P / LCPZU	CMRB 50 P	MSIPED
LSXR6 / LA0ZU	CMRB 6	MSI360
LSXR6 HL / LAH0SZU	CMRB 6 D	MSI360D
LSXR6 P / LAPZU	CMRB 6 P	MSI360PED

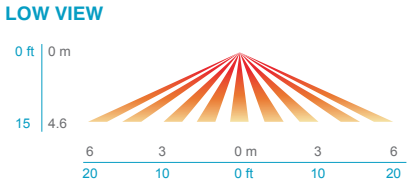


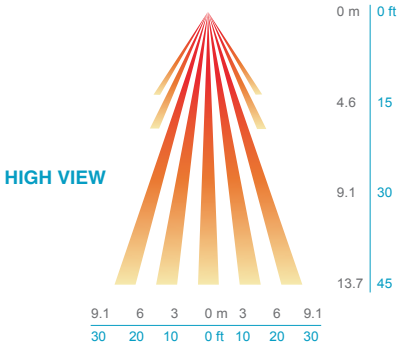
LSXR COVERAGE PATTERNS

HIGH MOUNT 360º LENS (#6)

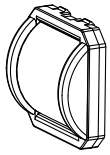


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g.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

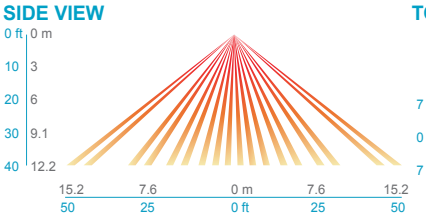


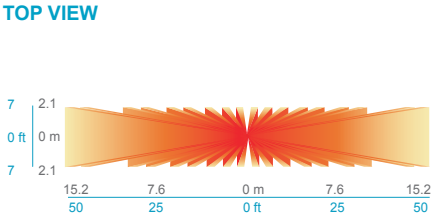


HIGH MOUNT AISLEWAY LENS (#50)

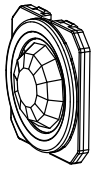


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360º lens

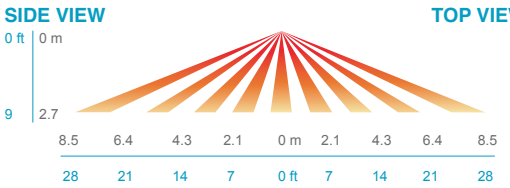


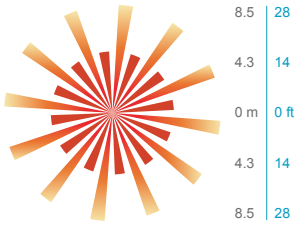


LOW MOUNT 360º LENS (#10)



- Best choice for large motion detection (e.g. walking)
- 360º 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





INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-Industrial@acuitybrands.com www.lithonia.com
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C6D0SUEM & C10D0SUEM - UL924 Listed Sensors

SENSOR DEFAULT SEQUENCE OF OPERATION

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

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

EGRESS MODE SEQUENCE OF OPERATION

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

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

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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.

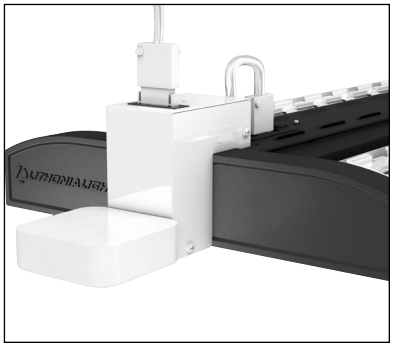
IMP compatible cord sets[1]	
CS1WIMP	Straight plug, 120V
CS3WIMP	Twist-lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS25WIMP	Twist-lock, 347V
CS93WIMP	600V SEOOW white cord, no plug
CS97WIMP	Twist-lock, 480V

IMP compatible sensors	
MSIIMP	Aisle sensor
MSI360IMP	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

1 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	A	Hot conductor wired to position #1 (phase A); non-dimming
		B	Hot conductor wired to position #2 (phase B); non-dimming
		AE	Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming[1]
		C12S	Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2,low voltage conductor #2 in position #3; dimming[2]

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

(click to view RELOC product page for more information)



OCS



OCU



OD

Notes

1 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.

2 C12S option is used with the OnePass for 0-10V/DALI applications. Not for use with dimming sensors.

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