LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

LED High Bay, Narrow Body

IBGN

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 7. Wireguard attachment points provided. Lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 °C for maximum naturally convective cooling.

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

Patent-pending.

ELECTRICAL — L91 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.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to 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

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

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® control networks marked by a shaded background*

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

*See ordering tree for details

A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

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

Series	Lumen package	Performance package	Lens	Distribution	Voltage	Driver	Color temperature	Coloring rendering index
IBGN	18000LM 18,000 lumens 24000LM 24,000 lumens 30000LM 30,000 lumens 36000LM 36,000 lumens	SEF Standard efficiency HEF Premium efficiency	AFL Acrylic, frosted ACL Clear acrylic PCL Clear polycarbonate PFL Semi-diffuse polycarbonate L/LENS Less lens	GND General ND Narrow WD Wide FD Focus	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

BAA Buy America(n) Act Compliant

Emergency batteries ‡

IE20WCPHE Iota 20W emergency battery pack, Constant Power, High Efficiency, Certified in CA Title 20 MAEDBS ‡

IE30WCPHE Iota 30W emergency battery pack, Constant Power, High Efficiency, 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 ‡

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)

Cord sets ‡

CPSBW Cord with plug, 15 amp, 18 gauge, 3 conductor, white, damp location, 6 feet

CPTLW Cord with plug, twist lock, 15 amp, 18 gauge, 3 conductor, white, damp location, 6 feet

CNPW Cord only, 18 gauge, 3 conductor, white, damp location, 6 feet

CNP4CW Cord only, 18 gauge, 4 conductor, white, damp location, 6 feet

CNP5CW Cord only, 18 gauge, 5 conductor, white, damp location, 6 feet

CNP5CDW Cord only, 18 gauge, 5 conductor (for bringing dimming leads out of fixture), damp location, 6 feet

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 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 ANL

nLight Wired Network Controls ‡

NCMB6 nLight High Mount Occupancy Sensor with Dimming, pre-wired LINK (Includes dimming Power Pack externally mounted to access plate) ‡

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 8.

Finish

DNA Natural aluminum

DWH Gloss white

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

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 backpack 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 guard (not available with Haleon sensor):

WGIBG42	Wire guard for all IBGN lumen packages; gloss white
WGIBG42DNA	Wire guard for all IBGN lumen packages; natural aluminum

*For MB wire guards, add MB to end of nomenclature.
Ex: WGIBG42MB

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 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.

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

‡ Option Value Ordering Restrictions	
Option value	**Restriction**
347	Not available with ETS,NPP16 D,EM or ER sensor solutions.
480	Not available with ETS,NPP16 D,EM or ER sensor solutions.
90CRI	Only available with SEF. 90CRI configurations have longer Lead Times.
Cord sets	Must specify voltage on cordsets 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. CNP5CW is not available with any sensors. CNP5CDW is not available with sensors that have dimming options.
DF	Available on 208, 240, 480V. Not available with MVOLT or HVOLT.
Emergency batteries	Not available with IMP option. Emergency batteries alter fixture construction. Consult line art below for details. Not available with CPSBW, CPTLW cord options. When un-switched hot is required CNP4CW must be ordered.
ETS	MVOLT only. Not available with cord sets or batteries. Utilizes ETS20 DR for 72000LM and ETS 924 DR for all others.
HVOLT	Not available with ETS,NPP16 D,EM or ER sensor solutions.
IE20WCPHE	Not available with 8000LM or IMP option. **Battery adds 2.8" depth to fixture.** Consult line art below for dimensions.
IE30WCPHE	Not available with IMP option. **Battery adds 2.8" depth to fixture.** Consult line art below for dimensions.
IMP	Must specify voltage. Not available with nLight wired sensors, batteries, or OUTCTR option.
Individual controls (Haleon)	Refer to page 10 for Haleon sensor default settings matrix. 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). Refer to page 10 for additional LSXR ordering options.
nLight wireless	Not available with Haleon or nLight wired options. Normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.
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.
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. If using a dimming sensor, must use RRLC12S if 0-10V dimming wires are required. Fixture will bear dry location label. Order OCS10 for 10' cord.
OCU_	Must specify voltage. 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.
SF	Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
SPD	Standard with HVOLT, 347, 480, ETS, IE20WCPHE HVOLT, IE30WCPHE HVOLT, LSXR, and NPP16 D, NPP16 D ER, RPP20 D EM options. 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, NPP16D options, or any configurations that utilize fixture backpack. Not available with 72000LM with ETS.

EMERGENCY BATTERY PACK OPTIONS

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

Note: ILBHI is standard HVOLT battery pack

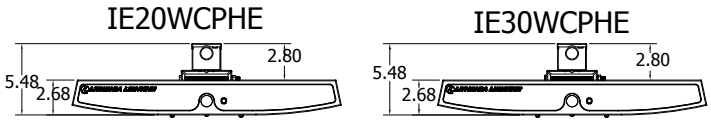
EMERGENCY LUMENS AFL GND (5000K 80CRI)

		IE20WCPHE	IE30WCPHE
SEF	18000	4000	6000
	24000	4000	6000
	30000	4000	5900
	36000	4000	5900
HEF	18000	4100	6100
	24000	4200	6100
	30000	4100	6100
	36000	4000	6000

*Based on AFL GND, 50K, 80CRI

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

BATTERY PACK DIMENSIONS



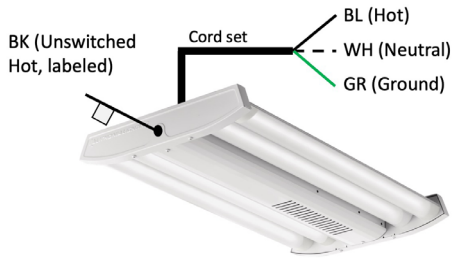
EMERGENCY LUMENS CROSS AFL GND (5000K, 80CRI)

		OLD BATTERY	NEW BATTERY
		PS10250	IE20WCPHE
SEF	12000	1400	3900
	15000	1400	3900
	18000	1400	3900
	24000	2900	4000
	30000	2900	4000
	36000	2900	4000
	48000	2900	4000
	60000	2900	4000

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

CORD SETS WITH EMERGENCY WIRING DETAILS

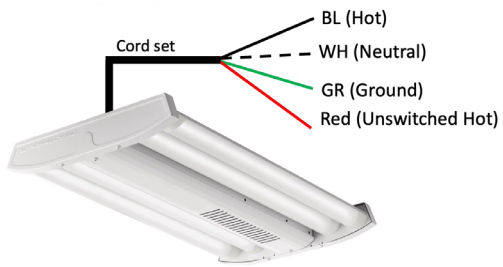
When battery is ordered with a 3-conductor cord set or Reloc® cord (OCS):



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 PS10250 or 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.

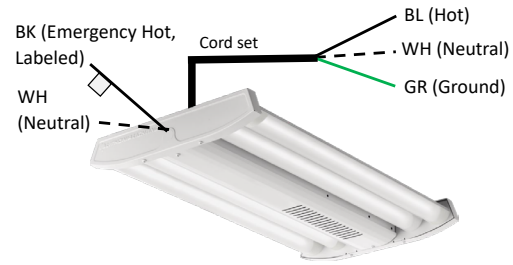
When battery is ordered with a 4-conductor cord set or Reloc® cord (OCS4C):



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.

PROJECTED LUMEN MAINTENANCE

IBGN						
Operating hours	0	15,000	30,000	45,000	60,000	100,000
Lumen maintenance factor	1	0.99	0.96	0.94	0.91	0.85

AMBIENT TEMPERATURE RATINGS

LUMENS	SUSPENDED	SUSPENDED WITH BATTERY	SUSPENDED WITH CONTROLS	SURFACE	SURFACE WITH CONTROLS
18000LM	55	40	40	45	40
24000LM	55	40	40	45	40
30000LM	55	40	40	45	40
36000LM	55	40	40	45	40

Note: Various add-on components such as sensors and batteries impact operating temperature range of IBGN fixtures. Consult component specification sheets or consult with your representative to determine if components have a different operating temperature range than IBGN.

LUMENS VS. AMBIENT TEMPERATURE

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

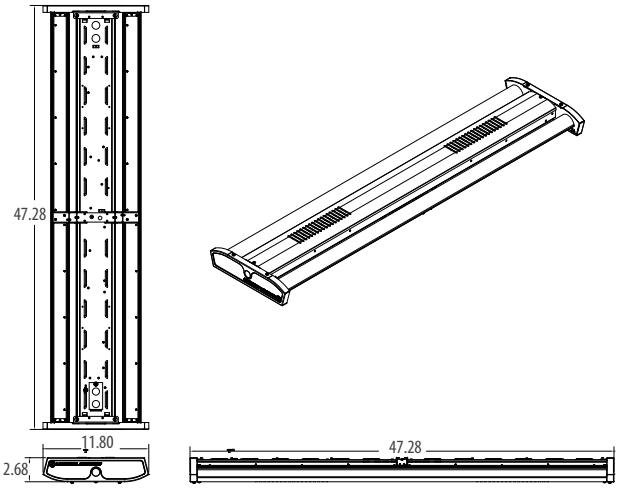
INDUSTRIAL: One Lithonia Way, Conyers, GA 30012 Phone: 1-800-705-SERV (7378) techsupport-Industrial@acuitybrands.com www.lithonia.com

DIMENSIONS

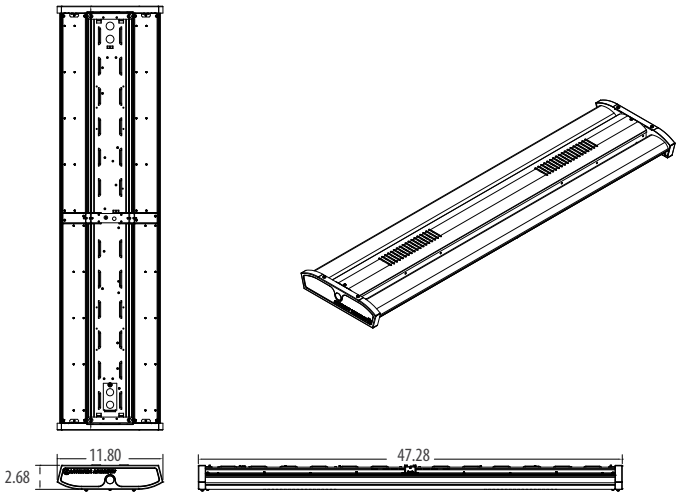
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

Weight: (may vary with options or accessories)
18L/24L/30L/36L: 4' Narrow - 16.25 lbs (7.370Kg)

IBGN SEF

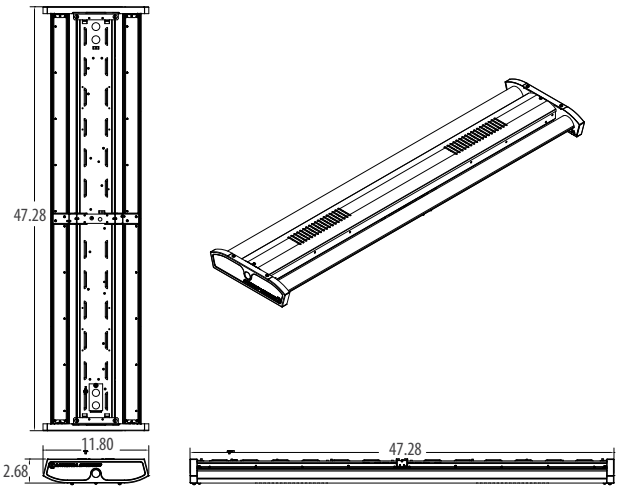


IBGN 18000LM, 24000LM, 30000LM

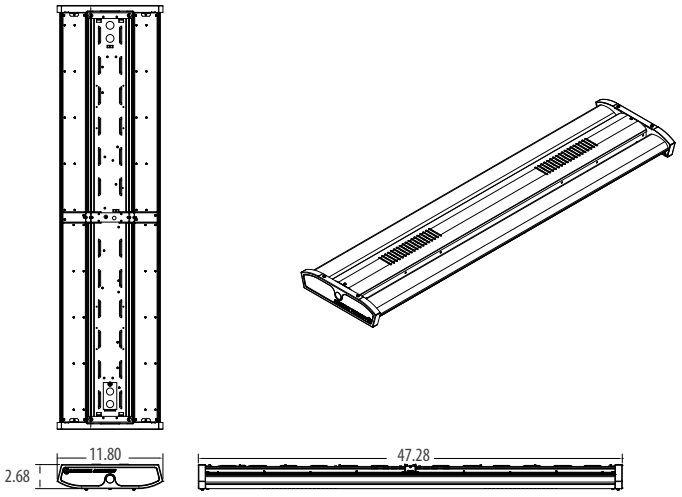


IBGN 36000LM

IBGN HEF

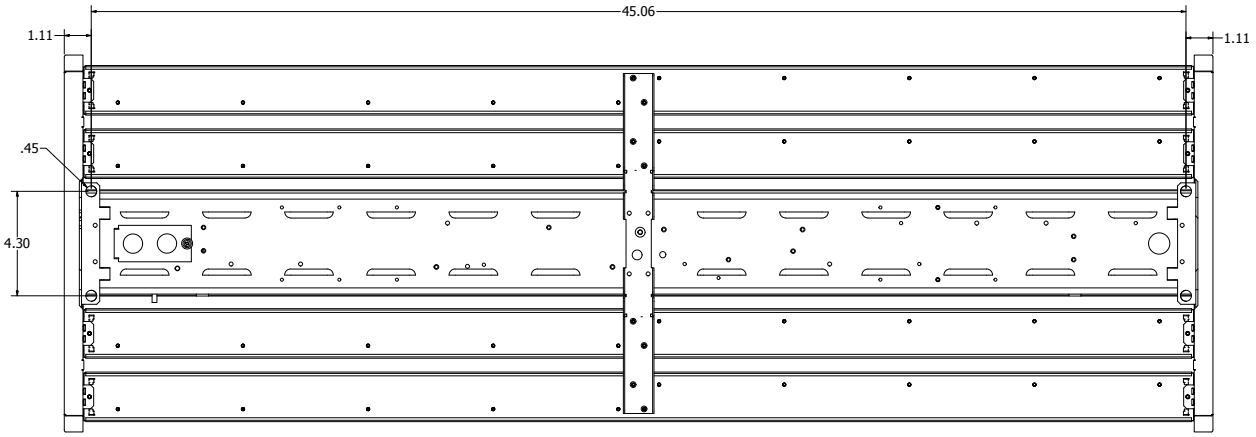


IBGN 18000LM, 24000LM, 30000LM



IBGN 36000LM

HANGER HOLE DIMENSIONS



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

IBGN OPERATIONAL DATA

IBGN SEF			AFL GND	
			Acrylic Frosted, General	
	Lumen Package	Wattage (277V)	Lumen Output	LPW
Delivered Lumens 4000K, 80CRI SEF	18000LM	106	18082	168
	24000LM	143	24520	168
	30000LM	180	29765	162
	36000LM	210	35882	167
Delivered Lumens 5000K, 80CRI SEF	18000LM	106	18372	171
	24000LM	143	24912	170
	30000LM	180	30242	164
	36000LM	210	36456	170

IBGN HEF			L/LENS GND	
			No lens, General	
	Lumen Package	Wattage (277V)	Lumen Output	LPW
Delivered Lumens 4000K, 80CRI HEF	18000LM	103	18449	179
	24000LM	138	25035	181
	30000LM	174	30610	176
	36000LM	207	36278	175
Delivered Lumens 5000K, 80CRI HEF	18000LM	103	18868	183
	24000LM	138	25603	186
	30000LM	174	31305	180
	36000LM	207	37101	179

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

IBGN CHARACTERISTICS

Lumen package	Wattage							
	Standard efficiency				High efficiency			
	120V	277V	347V	480V	120V	277V	347V	480V
18000LM	108	106	107	107	105	103	102	102
24000LM	146	143	145	146	139	138	138	139
30000LM	184	180	181	182	176	174	174	174
36000LM	214	210	214	214	208	207	208	208

IK Rating	
Housing	IK10
Polycarbonate Lens	IK10
Acrylic Lens	IK06

PHOTOMETRICS

See www.lithonia.com.

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

EMERGENCY OPERATION SCENARIOS

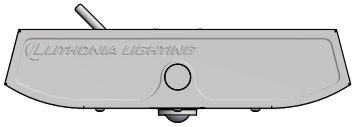
	Standard Sensor or Control Device (commonly used with Battery Pack Option)	**EM Solution** (Used when switching single incoming hot to generator power)	**ER Solution** (Used when switching to generator power via a 2nd hot lead)
Emergency Lighting Strategy	*Luminaire-integral battery pack and emergency 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.

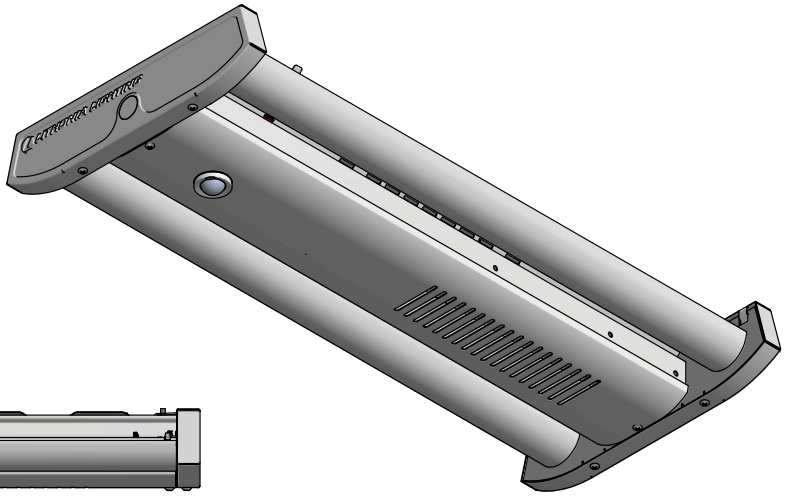
	Function	Sequence of Operations	**Standard Sensor or Control Device**	**EM** Solution (Generator 1 Hot)	**ER** Solution (Generator 2 Hots)	**IBGN Standard Sensor Settings**				
						Vacancy Time Out	Dim to Off Time Delay	High Trim	Low Trim	Photocell Set Point
Standalone Sensors (Individual control per 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%	10%	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.									

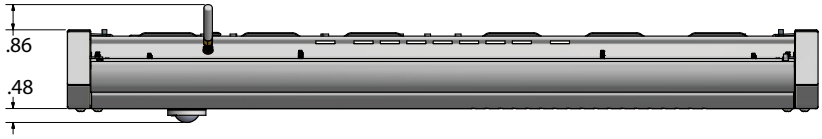
***All ER solutions except nLight wired, include standard sensor or control device with a factory-installed -+Iota ETS##-DR (UL924 bypass device). This device is integral to the fixture and will include a hot and neutral lead for the dedicated emergency circuit.**

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

nLIGHT® AIR Dimming and Photo Sensor

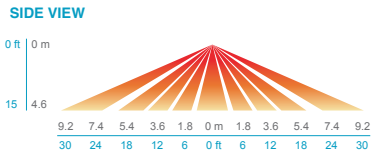






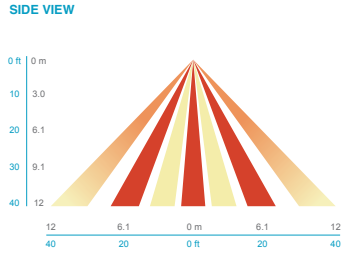
7 - MINI-LOW BAY 360° LENS

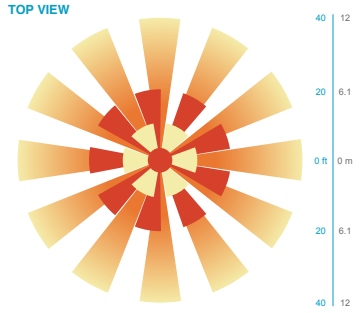
- Recommended for walking motion detection from mounting heights between 8 ft (2.44m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m)and 1.75x up to 20 ft (6.10 m)
- Provides 12 ft (3.66 m) radial detection of small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

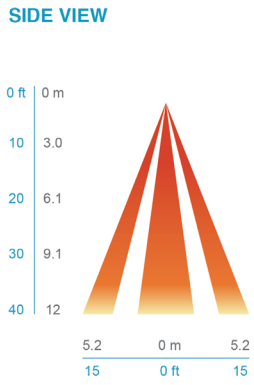
- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height

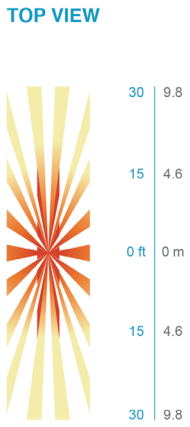




45A HIGH MOUNT AISLEWAY

- 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





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

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

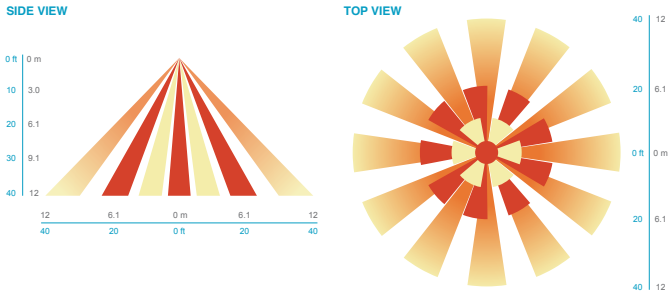
Model	Default Operation	LSXR Equivalent	Occupancy Time Delay	Photocell Mode	Photocell Set-point	Low Trim	High Trim	Dim to Off Time Delay
HLNxxx	On/Off Occupancy Only	LSXR 6 LT or LAOOSTU	10 minutes	Disabled	n/a	n/a	100%	Disabled
HLNxxxHL	Occupancy w/ 0-10V Dimming (High/Low/Off)	LSXR 6 HL LT or LAHOSTU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

Note: Lens detection noted in place of 'xxx'

HALEON COVERAGE PATTERNS

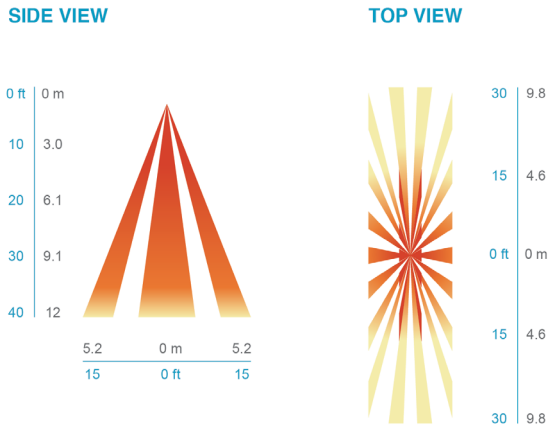
HIGH MOUNT 360°

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



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



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

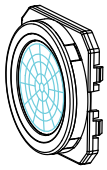
LSXR – Fixture Mount Occupancy Sensor (see www.AcuityControls.com for additional information)

- 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).

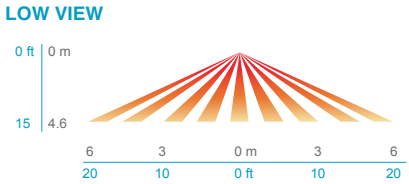
LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature
For shortest lead times use one of the following LSXR configurations		
LSXR50 / LC0ZU	CMRB 50	MSI
LSXR50 HL / LCH0SZU	CMRB 50 D	MSID
LSXR50 P / LCPZU	CMRB 50 P	MSIPED
LSXR6 / LA0ZU	CMRB 6	MSI360
LSXR6 HL / LAH0SZU	CMRB 6 D	MSI360D
LSXR6 P / LAPZU	CMRB 6 P	MSI360PED

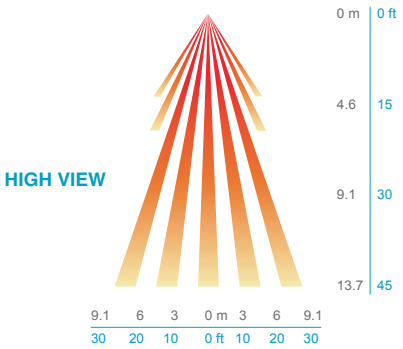
LSXR COVERAGE PATTERNS

HIGH MOUNT 360º LENS (#6)

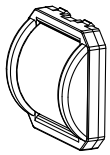


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g.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

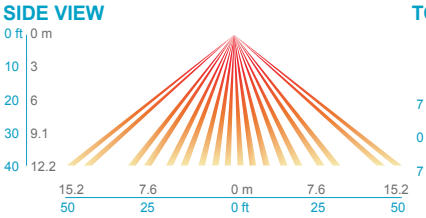


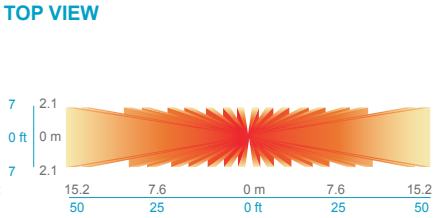


HIGH MOUNT AISLEWAY LENS (#50)

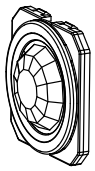


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360º lens

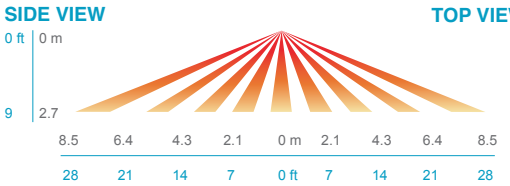


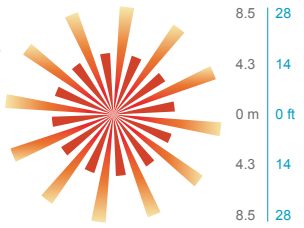


LOW MOUNT 360º LENS (#10)



- 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





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.

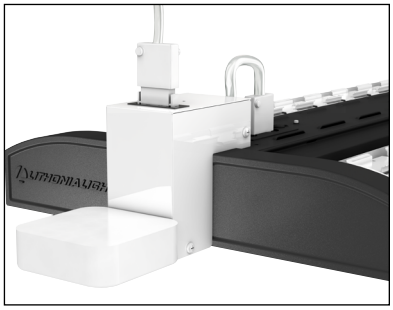
IMP compatible cord sets[1]	
CS1WIMP	Straight plug, 120V
CS3WIMP	Twist-lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS25WIMP	Twist-lock, 347V
CS93WIMP	600V SEOOW white cord, no plug
CS97WIMP	Twist-lock, 480V

IMP compatible sensors	
MSIIMP	Aisle sensor
MSI360IMP	360° sensor

Ordering Example

Order As: Qty 1 - IBGN 18000LM SEF AFL GND 120 GZ10 40K 80CRI IMP CPSBW DWH

Ships As: Qty 1 - IBGN 18000LM SEF AFL GND MVOLT GZ10 40K 80CRI IMP DWH
Qty 1 - CS1WIMP



Notes

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

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

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]

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.

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

(click to view RELOC product page for more information)

OCS

OCU

OD

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