LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

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.

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

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

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

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

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

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

LISTINGS — CSA certified to US and Canadian safety standards. Damp location listed. Suitable for ambient temperatures from -40°F (-40°C) to 113°F (45°C) when suspended 18" from ceiling. High ambient option available (HA), suitable for ambient temperatures -40°F (-40°C) to131°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/CustomerResources/Terms_and_conditions.aspx

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

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number	DLC QPL Product ID	DLC Premium?
IBG 12000LM SEF AFL GND MVOLT 0Z10 40K 80CRI DWH	**IBG 12L MVOLT**	**PAMMN2VX**	√
IBG 15000LM SEF AFL GND MVOLT 0Z10 40K 80CRI DWH	**IBG 15L MVOLT**	**P3G6HADN**	√
IBG 18000LM SEF AFL GND MVOLT 0Z10 40K 80CRI DWH	**IBG 18L MVOLT**	**P851GVEP**	√
IBG 24000LM SEF AFL GND MVOLT 0Z10 40K 80CRI DWH	**IBG 24L MVOLT**	**PZBJQY5S**	√
IBG 12000LM SEF AFL GND HVOLT 0Z10 40K 80CRI DWH	**IBG 12L HVOLT**	**PQ5BU878**	√
IBG 15000LM SEF AFL GND HVOLT 0Z10 40K 80CRI DWH	**IBG 15L HVOLT**	**PSWUYJP8**	√
IBG 18000LM SEF AFL GND HVOLT 0Z10 40K 80CRI DWH	**IBG 18L HVOLT**	**PRVPPS9D**	√
IBG 24000LM SEF AFL GND HVOLT 0Z10 40K 80CRI DWH	**IBG 24L HVOLT**	**P2UE1ZS4**	√
IBG 12000LM SEF AFL GND MVOLT 0Z10 50K 80CRI DWH	**IBG 12L MVOLT 5K**	**P7TZZ4ZV**	√
IBG 15000LM SEF AFL GND MVOLT 0Z10 50K 80CRI DWH	**IBG 15L MVOLT 5K**	**PMXBGZJS**	√
IBG 18000LM SEF AFL GND MVOLT 0Z10 50K 80CRI DWH	**IBG 18L MVOLT 5K**	**P85EZXU7**	√
IBG 24000LM SEF AFL GND MVOLT 0Z10 50K 80CRI DWH	**IBG 24L MVOLT 5K**	**PQ5CSK48**	√
IBG 12000LM SEF AFL GND HVOLT 0Z10 50K 80CRI DWH	**IBG 12L HVOLT 5K**	**PFRXRQKT**	√
IBG 15000LM SEF AFL GND HVOLT 0Z10 50K 80CRI DWH	**IBG 15L HVOLT 5K**	**PV4M2BP5**	√
IBG 18000LM SEF AFL GND HVOLT 0Z10 50K 80CRI DWH	**IBG 18L HVOLT 5K**	**PA36YXUT**	√
IBG 24000LM SEF AFL GND HVOLT 0Z10 50K 80CRI DWH	**IBG 24L HVOLT 5K**	**P5H22E5M**	√

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

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 OZ10 40K 80CRI DWH

Series	Nominal lumens		Performance package	Lens	Distribution	Voltage	Driver	Color temperature
IBG	8000LM 8,000 lumens[2]	30000LM 30,000 lumens	SEF Standard efficiency	AFL Acrylic, frosted	WD Wide	MVOLT 120-277V	OZ10 0-10V dimming[2]	30K 3000 K
IBGN[1]	12000LM 12,000 lumens	36000LM 36,000 lumens	HEF Premium efficiency	ACL Clear acrylic	GND General	HVOLT 347-480V[3]	AZ10 0-10V dimming, aux. output[6]	35K 3500 K
	15000LM 15,000 lumens	48000LM 48,000 lumens		PCL Clear polycarbonate	ND Narrow	120 120V		40K 4000 K
	18000LM 18,000 lumens	60000LM 60,000 lumens		PFL Semi-diffuse polycarbonate	FD Focus	208 208V		50K 5000 K
	24000LM 24,000 lumens			L/LENS Less lens		240 240V		
						277 277V		
						347 347V[4]		
						480 480V[4,5]		

Coloring rendering index	Options			Finish
70CRI 70 CRI	HA	High ambient[7]	Controls:[21]	DNA Natural aluminum
80CRI 80 CRI	SPD	Surge protection device[8]	HLN360 Haleon 360° High Mount Occ Sensor, pre-wired; Bluetooth®[20]	DWH Gloss white
90CRI 90 CRI	BPK	Fixture backpack[9]	HLN360HL Haleon 360° High Mount Occ Sensor w/HL Default, pre-wired; Bluetooth®[20]	
	PS1050	Emergency battery pack 10W, non-CEC compliant[10]	HLN360ADC Haleon 360° High Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth®[20]	
	PS10250	Emergency battery pack 10W, non-CEC compliant[11]	HLN360ANL Haleon 360° High Mount Occ Sensor w/ANL Default, pre-wired; Bluetooth®[20]	
	PS10250 T20C	Emergency battery pack, 10W, CEC compliant[11]	HLNASL Haleon High Mount Aisleway Occ Sensor, pre-wired; Bluetooth®[20]	
	PS30250	Emergency battery pack, 30W, non-CEC compliant[12]	HLNASLHL Haleon High Mount Aisleway Occ Sensor w/HL Default, pre-wired; Bluetooth®[20]	
	BGTD	Generator transfer device[13]	HLNASLADC Haleon High Mount Aisleway Occ Sensor w/ADC Default, pre-wired; Bluetooth®[20]	
	SF	Single fuse[14]	HLNASLANL Haleon High Mount Aisleway Occ Sensor w/ANL Default, pre-wired; Bluetooth®[20]	
	DF	Double fuse[15]	LAOZU 360° high mount motion sensor, pre-wired[22]	
	OUTCTR	Wiring leads pulled through back center of fixture[16]	LAH0SZU 360° high mount motion sensor with dimming, pre-wired[22]	
	OCS	RELOC® OnePass® selectable cable 6' installed[17,18]	LAPZU 360° high mount motion sensor with photocell, pre-wired[22]	
	OCU___	RELOC® OnePass® unselectable cable 6' installed (must specify tap position)[17]	LAM0SZU 360° high mount motion sensor, dimming & switching photocell, pre-wired[22]	
	IMP	Integrated modular plug[19]	C6D0SUEM 360° high mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD)[23,24]	
	RRL_	RELOC®-Ready luminaire. (Not available with Haleon sensor options) See page 10 for ordering information	C10D0SUEM 360° low mount motion sensor, dimming only (photocell disabled), pre-wired; UL924 listed (not available with battery pack or BGTD)[23,25]	
	WGX	Standard wire guard, installed (not available with Haleon sensor)	nPP16D nLight® dimming & switching module[26,27]	
	Cord sets:		nPP16DER nLight® dimming & switching module with emergency relay (not available with battery pack or BGTD)[26,27]	
	CS1W	Straight plug, 120V[17]	nMSI nLight® high mount aisleway motion sensor, pre-wired[26,28]	
	CS3W	Twist-lock, 120V[17]	nMSI360 nLight® 360° high mount motion sensor, pre-wired[26,29]	
	CS7W	Straight plug, 277V[17]	nMSID nLight® high mount aisleway motion sensor with dimming, pre-wired[26,30]	
	CS11W	Twist-lock, 277V[17]	nMSI360D nLight® 360° high mount motion sensor with dimming, pre-wired[26,31]	
	CS25W	Twist-lock, 347V[17]	MSI6XADL DSCXADL XPoint™ Wireless 360° high mount motion sensor with photocell	
	CS97W	Twist-lock, 480V[17]	XPW XPoint™ Wireless 0-10V relay, external (utilizes XPA CMRB0) 55°C max ambient	
	CS93W	600 SO white cord, no plug (no voltage required)	XAD XPoint™ Wireless 0-10V relay, internal, lower max ambient (not available with Haleon sensor)[32]	
	CS93W5CD	600 SO 5-conductor white cord, no plug (no voltage required)	XPWEM XPoint™ Wireless 0-10V relay, external (utilizes XPACMRB0EM) 55°C max ambient, meets UL924 (not available with battery pack or BGTD)	
			XAD924 XPoint™ Wireless 0-10V relay, internal, lower max ambient, meets UL924 (not available with battery pack or BGTD)[33]	

See Accessories and footnotes on next page

Accessories: *Order as separate catalog number.*

Mounting:

IBAC120 M20	Aircraft cable 10' with hook (one pair)
IBAC240 M20	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) [33]

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

Wire guards (not available with Haleon sensor):

WGIBG22	Wire guard for IBG 8000LM; gloss white
WGIBG24	Wire guard for IBG 12000/15000LM; gloss white
WGIBG26	Wire guard for IBG 18000/24000/30000LM; gloss white
WGIBG42	Wire guard for all IBGN lumen packages; gloss white
WGIBG46	Wire guard for IBG 36000/48000/60000LM; gloss white
WGIBG22DNA	Wire guard for IBG 8000LM; natural aluminum
WGIBG24DNA	Wire guard for IBG 12000/15000LM; natural aluminum
WGIBG26DNA	Wire guard for IBG 18000/24000/30000LM; natural aluminum
WGIBG42DNA	Wire guard for all IBGN lumen packages; natural aluminum
WGIBG46DNA	Wire guard for IBG 36000/48000/60000LM; natural aluminum

Notes

1 Available with 18000LM, 24000LM, 30000LM and 36000LM only.
2 Not available with Haleon sensor controls options.
3 Not available with 8000LM. Not available with BTGD, nPP16D, nPP16DER, PS1050, PS10250, PS30250, or XAD.
4 When ordered with 8000LM or Xpoint controls voltage selected utilizes the fixture back pack.
5 Not available with nPP16D or nPP16DER.
6 Only available with Haleon sensor controls options.
7 55 C when suspended, 45 C when surface mounted. Not available with BGTD, PS1050, PS10250, PS30250 or XAD.
8 Standard with HVOLT, 347, or 480V - only specify for MVOLT, 120, 208, 240, or 277V. Standard with Motion sensors/controls, BGTD & Power Sentry battery options.
9 Required with PS1050, PS10250, PS30250, BGTD. Required with 8000LM when ordered with 347/480V. Required with Xpoint controls when ordered with 347/480V. Not available with nLight. Not for use with THUN mount (surface).
10 Requires BPK option. Available 120-277V only. Available with 8000LM only. For ambient temperatures of 32°F to 122°F (0°C to 50°C). Not available with IMP. See spec sheet PS1050 for more information.
11 Requires BPK option. Available 120-277V only. Not available with 8000LM. For ambient temperatures of 50°F to 122°F (10°C to 50°C).Not available with IMP. Only available for factory installation. See spec sheet PS10250 for more information.
12 Requires BPK option. 120 or 277V only. Not available with 8000LM. For ambient temperatures of 32°F to 122°F (0°C to 50°C). Not available with IMP. See spec sheet PS30250 for more information.
13 Requires BPK option. 120 or 277V only. Not available with PS1050, PS10250, PS30250 or HA. Not available with 347 or 480V when ordered in combination with XAD or XPW. For ambient temperatures up to 104°F (40°C).
14 Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
15 Available on 208, 240, 480V and Haleon sensors. Not available with MVOLT or HVOLT.
16 Not available with BPK option. Requires IBGPMPHB accessory to mount fixture. Not available with Cord Set options.
17 Must specify voltage.
18 Cannot be used in dimming applications, must use RRLC12S
19 Not available with BPK, nPP16D, nPP16DER, nMSI, nMSI360, PS1050, PS10250, or PS30250.
20 If 347V or 480V a stepdown transformer will be utilized and BPK option required. RRL option not available. Not available with OUTCTR.
21 Must specify voltage. Refer to page 7 for Haleon sensor default settings matrix. Refer to page 9 for additional LSXR ordering options. Refer to page 10 for additional C6D0SUEM and C10D0SUEM information.
22 This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 9 for low temperature option providing -4°F (-20°C) minimum ambient temperature.
23 Daylight harvesting functionality not enabled by default. See page 10 for default sequence of operation.
24 Utilizes XPA CMRB6.
25 Utilizes XPA CMRB10.
26 Not available with 208V, 240V, or 480V.
27 347V and 480V utilize a step down transformer.
28 nMSI options utilizes a nPP16 and nCMB 50 sensor, CAT5e connector cable also included.
29 nMSI360 options utilizes a nPP16 and nCMB 6 sensor, CAT5e connector cable also included.
30 nMSID options utilizes a nPP16D and nCMB 50 sensor CAT5e connector cable also included.
31 nMSI360D options utilizes a nPP16D and nCMB 6 sensor, CAT5e connector cable also included.
32 Not available with HVOLT. When ordered with 347V or 480V, BPK option is required. Not available with HA option.
33 Maximum ambient temperature of standard fixture mounted with THUN is 95°F (35°C). With HA option 113°F (45°C). Not available with MSIIMPIBG or MSI360IMPIBG options.

POWER SENTRY EMERGENCY BATTERY PACKS

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

EMERGENCY LUMENS (5000K 70CRI)

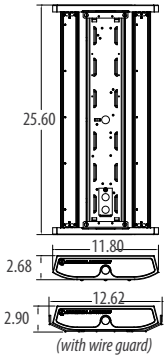
Fixture	IBG			IBGN
Lumen package	8000LM (PS1050 only)	12000LM - 15000LM	18000LM - 60000LM	18000LM - 36000LM
PS1050/PS10250	1600	1300	1900	1200
PS30250	N/A	4000	2400	3800

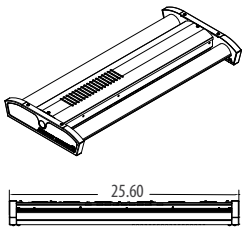
Note: For emergency lumen output of specific model, please consult factory.

DIMENSIONS

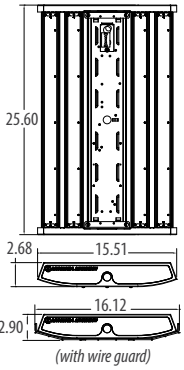
All dimensions are in inches (centimeters) unless otherwise indicated.
Dimensions may vary with options or accessories.

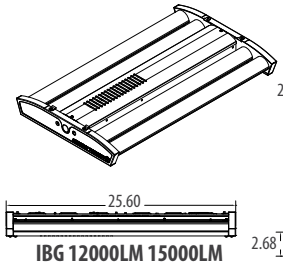
Weight: (may vary with options or accessories)
8L: 7.75 lbs (3.515Kg)
12L/15L: 10.5 lbs (4.762Kg)
18L/24L/30L: 15.9 lbs (7.212Kg)
18L/24L/30L/36L: 4' Narrow - 16.25 lbs (7.370Kg)
36L/48L/60L: 4' - 6' Mod - 21.75 lbs (9.865Kg)



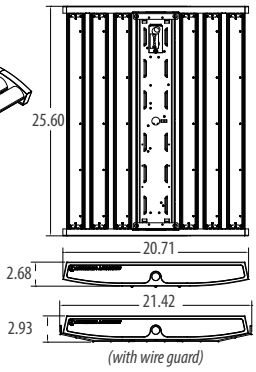


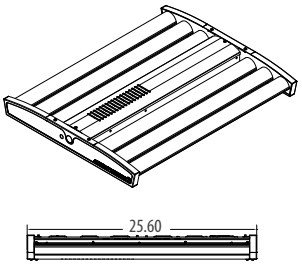
IBG 8000LM



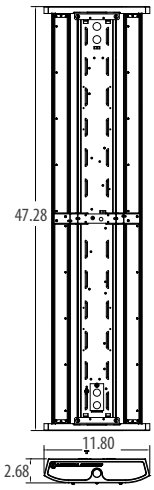


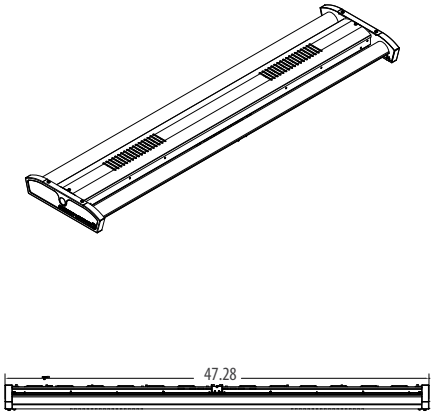
IBG 12000LM 15000LM



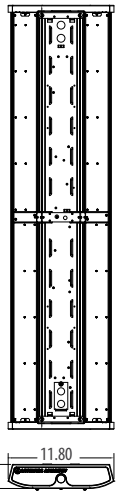


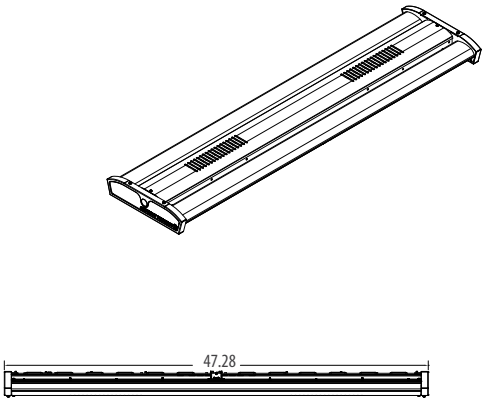
IBG 18000LM 24000LM 30000LM



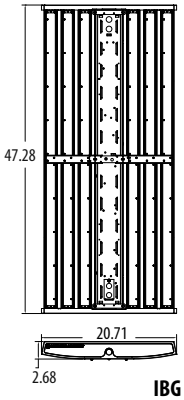


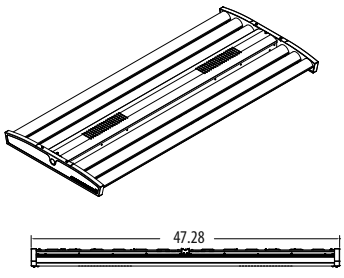
IBGN 18000LM





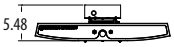
IBGN 24000LM 30000LM 36000LM





IBG 36000LM 48000LM 60000LM

BPK OPTION



PS30250 OPTION

IBG OPERATIONAL DATA

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

PHOTOMETRICS

See www.lithonia.com.

IBG CHARACTERISTICS

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

IBGN OPERATIONAL DATA

	Lumen package	Efficiency level	Lens/distribution			
			Acrylic frosted/ general	Clear acrylic/narrow	Clear acrylic/wide	Clear acrylic/focus
Delivered lumens 4000K, 80CRI	18000LM	SEF	17036	16028	16566	16520
		HEF	17776	16724	17285	17237
	24000LM	SEF	22727	21383	22100	22038
		HEF	24123	22696	23457	23392
	30000LM	SEF	28642	26948	27851	27773
		HEF	29493	27748	28679	28599
	36000LM	SEF	34336	32305	33388	33295
		HEF	34912	32846	33948	33853
Delivered lumens 5000K, 80CRI	18000LM	SEF	17663	16618	17175	17128
		HEF	18320	17237	17814	17765
	24000LM	SEF	23564	22170	22913	22849
		HEF	24862	23391	24176	24108
	30000LM	SEF	29696	27940	28876	28796
		HEF	30397	28599	29558	29475
	36000LM	SEF	35600	33494	34617	34520
		HEF	35982	33853	34988	34890

IBGN CHARACTERISTICS

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

PROJECTED LUMEN MAINTENANCE

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

AMBIENT TEMPERATURE RATINGS

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

LUMENS VS. AMBIENT TEMPERATURE

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

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

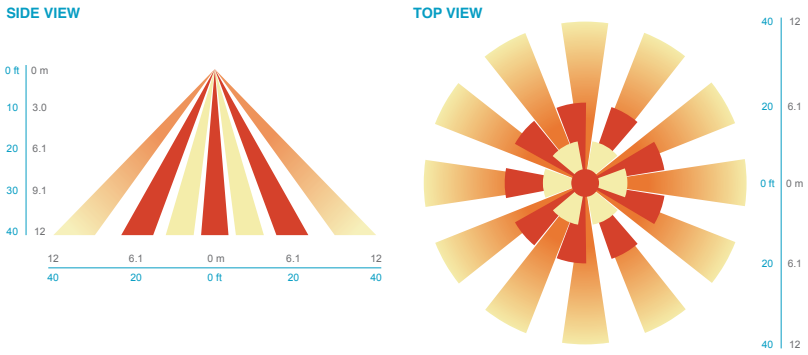
Model	Default Operation	LSXR Equivalent	Occupancy Time Delay	Photocell Mode	Photocell Set-point	Low Trim	High Trim	Dim to Off Time Delay
HLNxxx	On/Off Occupancy Only	LSXR 6 LT or LA0OSTU	10 minutes	Disabled	n/a	n/a	100%	Disabled
HLNxxxHL	Occupancy w/ 0-10V Dimming (High/Low/Off)	LSXR 6 HL LT or LAH0STU	10 minutes	Disabled	n/a	10%	100%	2.5 minutes
HLNxxxADC	Occupancy w/ Dim & Switch Photocell	LSXR 6 ADC LT or LAM0STU	10 minutes	On/Off & Auto Dim	4 fc	10%	100%	0 seconds
HLNxxxANL	Dim & Switch Photocell with High/Low Occupancy Operation	LSXR 6 ANL LT or LAG0STU	10 minutes	On/Off & Auto Dim	4 fc	10%	100%	Stay Dim/ Never Off

Note: Lens detection noted in place of 'xxx'

HALEON COVERAGE PATTERNS

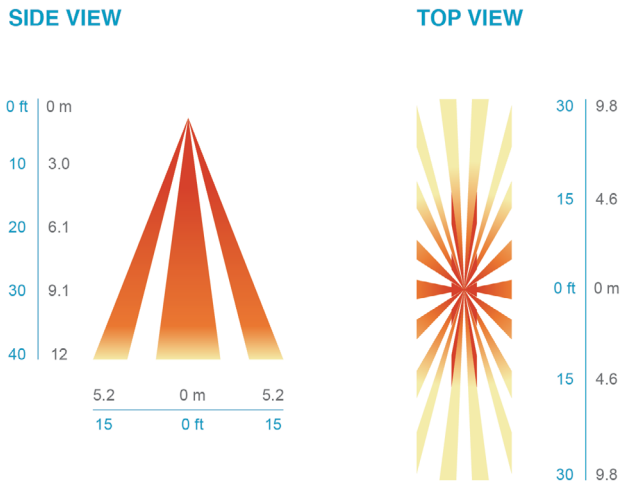
HIGH MOUNT 360°

- 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: 800-315-4963 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		
LC0ZU	CMRB 50	MSI
LCH0SZU	CMRB 50 D	MSID
LCPZU	CMRB 50 P	MSIPED
LA0ZU	CMRB 6	MSI360
LAH0SZU	CMRB 6 D	MSI360D
LAPZU	CMRB 6 P	MSI360PED

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

SINGLE RELAY

ORDERING INFORMATION

Example: LAH0SZU

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

Notes

1 Max and min dim levels not applicable with this option.

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

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

ORDERING INFORMATION

Example: LA2KZU

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

Notes

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

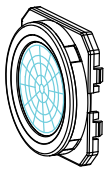
Example: LENS 50 J100

Replacement lenses: *Order as separate catalog number.*

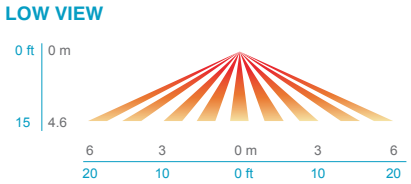
Series	Lens type	Package quantity
LENS	6 High mount 360° 10 Low mount 360° 50 High mount aisleway	[blank] Single Lens J10 10-pack J100 100-pack

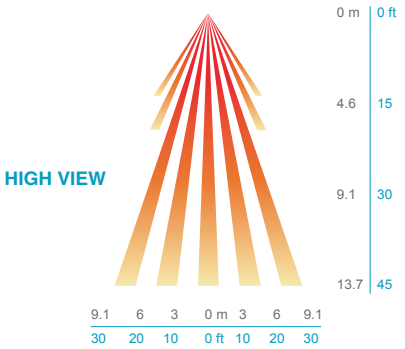
LSXR COVERAGE PATTERNS

HIGH MOUNT 360º LENS (#6)

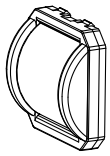


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g.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

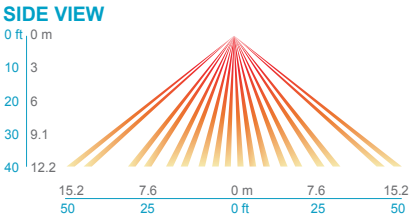


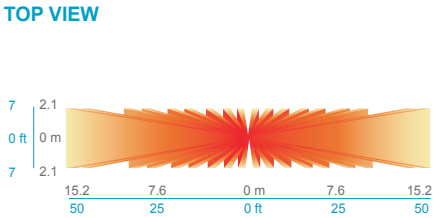


HIGH MOUNT AISLEWAY LENS (#50)

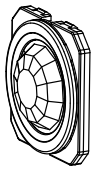


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360º lens

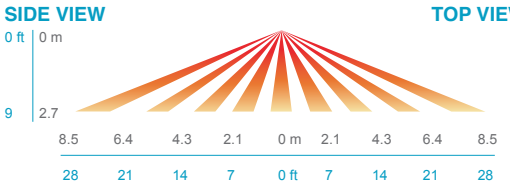


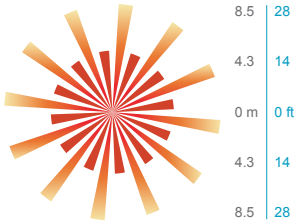


LOW MOUNT 360º LENS (#10)



- 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





C6D0SUEM & C10D0SUEM - UL924 Listed Sensors

SENSOR DEFAULT SEQUENCE OF OPERATION

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

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

EGRESS MODE SEQUENCE OF OPERATION

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

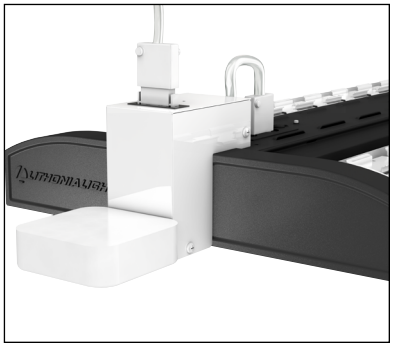
- Typical sequence upon power loss: Backup power source activates, transfer switch moves the emergency circuit powering the sensor onto the backup source, and sensor regains power. This sensor is programmed to detect any power interruption or transfer > 30 ms
- The sensor then ignores occupancy & daylight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

IMP - Integrated Modular Plug

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

IMP compatible cord sets[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



Notes

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

RRL - RELOC®-Ready Luminaire

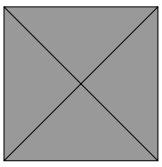
- RRL connectors can be used with Quick-Flex®, System 820 and OnePass® systems.
- Load side of connector factory installed to luminaire.
- 4-pole mating connector with push-in terminations allows for simple installation.
- Touch-safe design on both halves meets UL/CSA requirement.
- Wiping contact design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

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

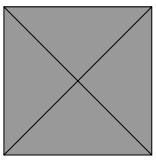
Series		Wiring instructions			
RRL	RELOC®-ready luminaire	A	Hot conductor wired to position #1 (phase A); non-dimming	AE	Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B); non-dimming [2]
		B	Hot conductor wired to position #2 (phase B); non-dimming	ABE	Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B), inverter conductor wired to position #3 (phase C); non-dimming [1,2]
		C	Hot conductor wired to position #3 (phase C); 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 [1,3]
		AB	Outboard hot conductor wired to position #1 (phase A), inboard hot conductor wired to position #2 (phase B); non-dimming		

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

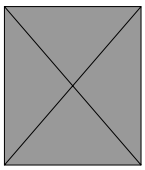
(click to view RELOC product page for more information)



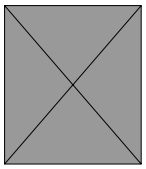
OCS



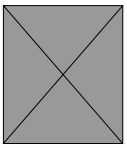
OCU



OD



DC



PT

Notes

1 C, ABE, and C12S options are not used with Quick-Flex QFC, QSFC, QPT, and QD.

2 AE and ABE commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode.

3 C12S option is used with the OnePass OD and 820 SSC, PT, and DC for 0-10V/DALI applications.