

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 integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

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

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

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 listed for damp locations. Suitable for ambient temperatures from -40°F (-40°C) to

Catalog Number
Notes
Type

LED High Bay

IBG



113°F (45°C) when suspended 18" from ceiling. High ambient option available (HA), suitable for ambient temperatures -40°F (-40°C) to 131°F (55°C) when suspended 18" from ceiling.

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.

ORDERING INFORMATION

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

Example: IBG 24000LM SEF GND MVOLT OZ10 40K 80CRI DWH

Series	Lumens	Performance package	Lens	Distribution	Voltage	Driver	Color temperature	Coloring rendering index	
IBG	8000LM 8,000 lumens	30000LM 30,000 lumens	SEF Standard efficiency	AFL Acrylic, frosted	WD Wide	MVOLT 120-277V	OZ10 0-10V dimming	30K 3000 K	80CRI 80 CRI
IBGN ¹	12000LM 12,000 lumens	36000LM 36,000 lumens	HEF Premium efficiency	ACL Clear acrylic	GND General	HVOLT 347-480V ²		35K 3500 K	90CRI 90 CRI
	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 5000K	
	24000LM 24,000 lumens					240 240V			
						277 277V			
						347 347V ³			
						480 480V ^{3,4}			

Options				Finish
HA	High ambient ⁵	Cord sets:	Controls: ^{15,17}	DNA Natural aluminum
SPD	Surge protection device ⁶	CS1W	Straight plug, 120V ¹⁵	DWH Gloss white
BPK	Fixture backpack ⁷	CS3W	Twist-lock, 120V ¹⁵	
PS1050	Emergency battery pack ⁸	CS7W	Straight plug, 277V ¹⁵	
PS10250	Emergency battery pack ⁹	CS11W	Twist-lock, 277V ¹⁵	
PS30250	Emergency battery pack ¹⁰	CS25W	Twist-lock, 347V ¹⁵	
BGTD	Generator transfer device ¹¹	CS97W	Twist-lock, 480V ¹⁵	
SF	Single fuse ¹²	CS93W	600 SO white cord, no plug (no voltage required)	
DF	Double fuse ¹³	CS93W5CD	600 SO white cord, no plug (no voltage required)	
OUTCTR	Wiring leads pulled through back center of fixture ¹⁴			
OCS	RELOC® OnePass® select-able cable 5' installed ¹⁵		C10D0SUEM	
OCU	RELOC® OnePass® unselectable cable 5' installed (must specify tap position) ¹⁵		nPP16D	nLight® switching/dimming module ¹⁸
IMP	Integrated modular plug ^{16,17}		nPP16DER	nLight® switching/dimming module with emergency relay ¹⁸
RRL	RELOC® ready luminaire. See page 5 for ordering information		nMSI	nLight®, aisle motion sensor, pre-wired ¹⁸
WGX	Standard wire guard, installed		nMSI360	nLight®, 360° motion sensor, pre-wired ¹⁸
			nMSID	nLight®, aisle motion sensor w/dimming, pre-wired ¹⁸
			nMSI360D	nLight®, 360° motion sensor w/dimming, pre-wired ¹⁸
			MSI6XADL DSCXADL	360° Xpoint wireless motion sensor with photocell ¹⁹
			XPW	XPoint™ wireless 0-10V relay, external ¹⁹
			XAD	XPoint™ wireless 0-10V relay, internal ^{19,20}

See Accessories and footnotes on next page

IBG LED High Bay

Accessories: Order as separate catalog number.					
Mounting:		Cord sets and sensors for IMP option:			
IBAC120 M20	Aircraft cable 10' with hook (one pair)	CS1WIMP	Straight plug, 120V	Wire guards:	
IBAC240 M20	Aircraft cable 20' with hook (one pair)	CS3WIMP	Twist-lock, 120V	WGIBG22	Wire guard for IBG 2ft 2-module
IBHMP	Hook monopoint	CS7WIMP	Straight plug, 277V	WGIBG24	Wire guard for IBG 2ft 4-module
HBBS36	Chain hanger with chain, 36" (one pair)	CS11WIMP	Twist-lock, 277V	WGIBG26	Wire guard for IBG 2ft 6-module
IBGACVH	Aircraft 10' V hanger (one pair)	CS25WIMP	Twist-lock 347V	WGIBG42	Wire guard for IBGN 4ft 2-module
IBGPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) for use with OUTCTR option	CS93WIMP	600V 50 white cord, no plug (no voltage required)	WGIBG46	Wire guard for IBG 4ft 6-module
HC36	Chain hanger and jack chain (pair)	CS97WIMP	Twist-lock 480V		
THUN	Tong hanger bracket (order 2 per fixture)	IBGMSIIMP	Aisle sensor for use with IMP option		
		IBGMSI360IMP	360° sensor for use with IMP option		

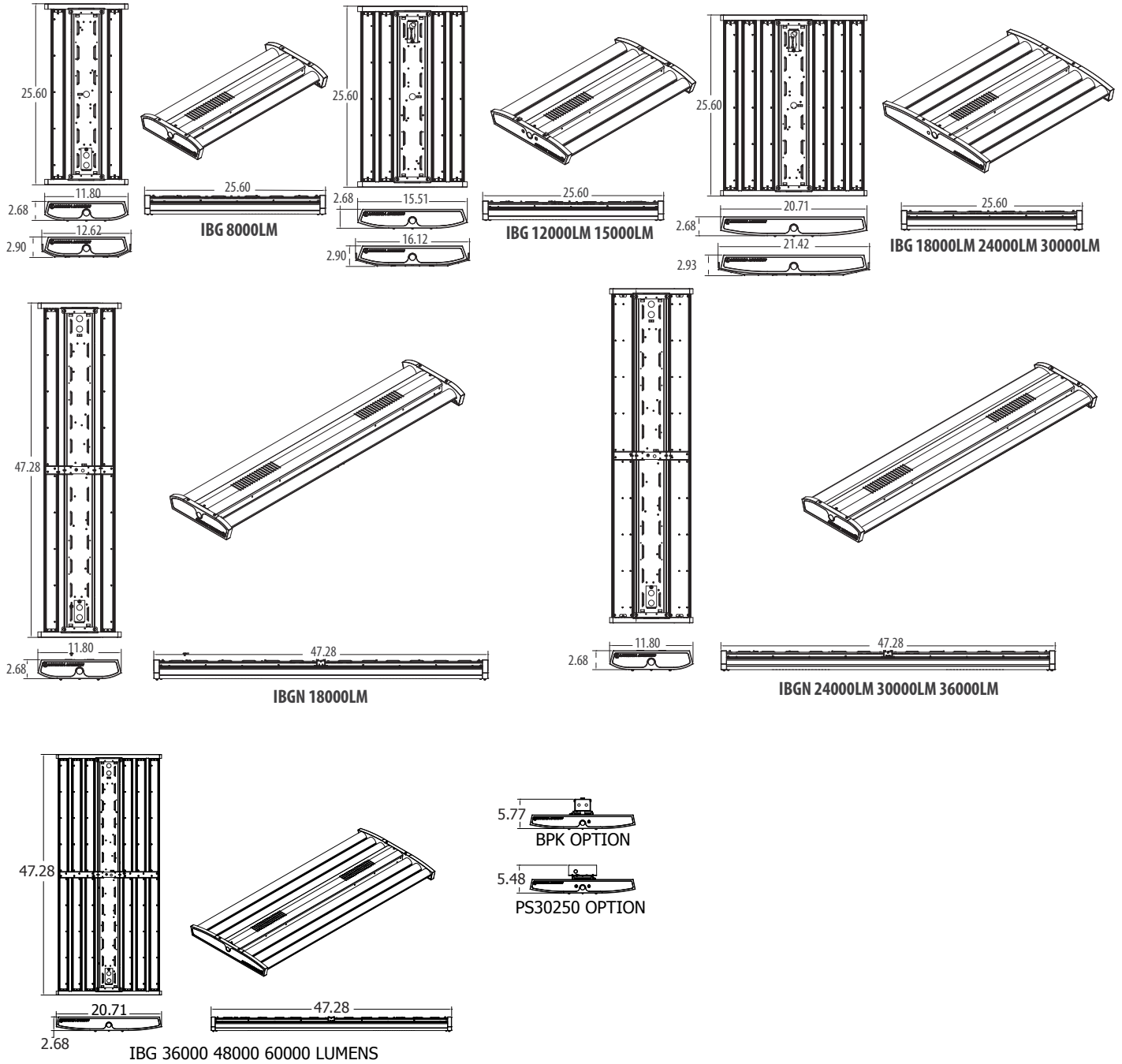
Notes

- 1 Available with 18000LM, 24000LM, 30000LM and 36000LM only.
- 2 Not available with 8000LM. Not available with BTGD, nPP16D, nPP16DER, PS1050, PS10250, PS30250 or XAD.
- 3 When ordered with 8000LM voltage selected utilizes the fixture back pack.
- 4 Not available with nPP16D or nPP16DER.
- 5 55 C when suspended, 45 C when surface mounted. Not available with BGTD, PS1050, PS10250, PS30250, XAD, or XPW.
- 6 Required on HVOLT, 347, 480V voltages. Required with Motion sensors/controls, BGTD & Power Sentry battery options.
- 7 Required with PS1050, PS10250, PS30250, BGTD. Required with 8000LM when ordered with 347/480V. Required with Xpoint controls when order with 347/480V. Not available with nLight. Not for use with THUN mount (surface).
- 8 Requires BPK and SPD options. Available MVOLT only. Available with 8000LM only. For ambient temperatures up to 104°F (40°C).
- 9 Requires BPK and SPD options. Available MVOLT only. Not available with 8000LM. For ambient temperatures up to 113°F (45°C).
- 10 Requires BPK and SPD options. 120 or 277V only. Not available with 8000LM. For ambient temperatures up to 113°F (45°C).
- 11 Requires BPK and SPD options. 120 or 277V only. Not available with PS1050, PS10250 < PS30250. Not available with 347 or 480V when ordered in combination with XAD or XPW. For ambient temperatures up to 113°F(45°C).
- 12 Available on 120, 277, 347V. Not available with MVOLT or HVOLT.
- 13 Available on 208, 240, 480V. Not available with MVOLT or HVOLT.
- 14 Not available with BPK option. Requires IBGPMPHB accessory to mount fixture.
- 15 Must specify voltage.
- 16 Not available with BPK, nPP16D, nPP16DER, nMSI, or nMSI360.
- 17 Requires SPD option.
- 18 Not available with 480V.
- 19 Not available with HVOLT. When ordered with 347or 480V BPK option is required. Requires SPD option.
- 20 Not available with HA option.

IBG LED High Bay

DIMENSIONS

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



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	1413	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
	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
12000LM	79	77	77	76	70	69	68	67	25.6	15.52	2.75
15000LM	97	95	97	96	87	86	86	86	25.6	15.52	2.75
18000LM	114	112	114	115	102	100	102	103	25.6	20.65	2.75
24000LM	154	150	150	150	136	133	135	135	25.6	20.65	2.75
30000LM	193	186	188	188	176	171	173	173	25.6	20.65	2.75
36000LM	225	221	227	229	200	197	203	206	47.29	20.65	2.75
48000LM	301	293	301	302	267	261	269	270	47.29	20.65	2.75
60000LM	385	374	378	377	332	323	330	330	47.29	20.65	2.75

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

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

AMBIENT TEMPERATURE RATINGS

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

IBG LED High Bay

LSXR - Fixture Mount Sensor (see www.sensorswitch.com for additional information)

- Four interchangeable lenses.
- 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.



LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature
For shortest lead times use one of the following LSXR configurations		
LCOZU	CMRB 50	MSI
LCHOSZU	CMRB 50 D	MSID
LCPZU	CMRB 50 P	MSIPED
LAOZU	CMRB 6	MSI360
LAHOSZU	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

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

Example: LAHOSZU

Series	Lens option	Dimming/Photocell	Max. dim Level	Min. dim level	Temp/Humidity	Default time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360°	O None ¹	0 10 VDC	5 Minimum dimming level of ballast	Z None	I 30 seconds
	B Low mount, 360°	H High/low occupancy operation	9 9 VDC	1 1 VDC	T Low temperature	D 2.5 minutes
	C High mount aisleway	P Switching photocell (on/off)	8 8 VDC	2 2 VDC		X 5 minutes
		M Dimming and switching photocell	7 7 VDC	3 3 VDC		R 7.5 minutes
		G Dimming and switching photocell with high/low occupancy operation		4 4 VDC		U 10 minutes (with minimum 15 minutes on time)
				5 5 VDC		V 15 minutes
				6 6 VDC		W 20 minutes
						Y 30 minutes

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

ORDERING INFORMATION

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

Example: LA2KZU

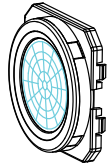
Series	Lens option	Poles	Operating mode	Temp/Humidity	Default time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360°	2 Dual relay	J None	Z None	I 30 seconds
	B Low mount, 360°		K Alternating off relays (promotes even lamp wear)	T Low temperature	D 2.5 minutes
	C High mount aisleway		O Alternating off relays w/photocell		X 5 minutes
			P Switching photocell(on/off)		R 7.5 minutes
			E Photocell on/off (pole 1 only)		U 10 minutes (with minimum 15 minutes on time)
			F Photocell on/off - both poles (dual set-point)		V 15 minutes
					W 20 minutes
				Y 30 minutes	

Example: LENS 50 J100

Replacement lenses: Order as separate catalog number.		
Series	Lens type	Package quantity
Lens	6 High mount 360°	U Unit
	10 Low mount 360°	J10 10-pack
	50 High mount aisleway	J100 100-pack

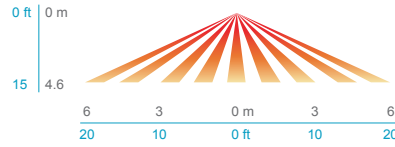
LSXR COVERAGE PATTERNS

HIGH MOUNT 360° LENS (#6)

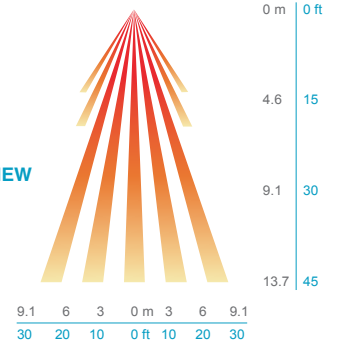


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g.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

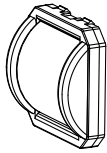
LOW VIEW



HIGH VIEW

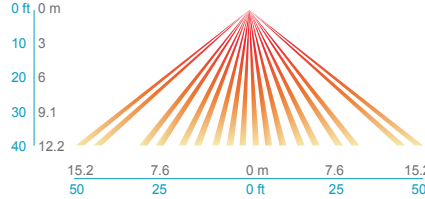


HIGH MOUNT AISLEWAY LENS (#50)

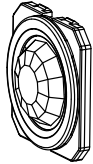


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximate detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

SIDE VIEW

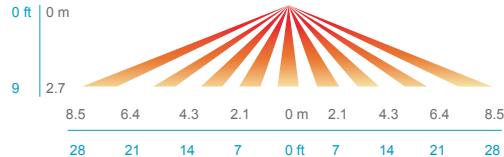


LOW MOUNT 360° LENS (#10)

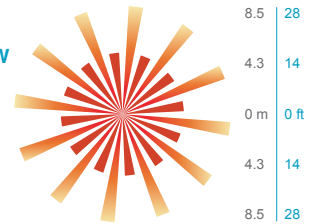


- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft²) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when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

SIDE VIEW



TOP VIEW



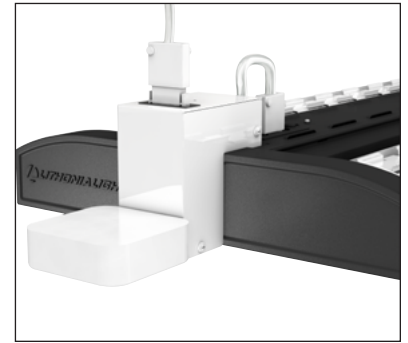
IBG LED High Bay

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 sensors ¹	
CS1WIMP	Straight plug, 120V
CS3WIMP	Twist-lock, 120V
CS7WIMP	Straight plug, 277V
CS11WIMP	Twist-lock, 277V
CS25WIMP	Twist-lock, 347V
CS93WIMP	600V SE00W white cord, no plug
CS97WIMP	Twist-lock, 480V

IMP compatible sensors	
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.



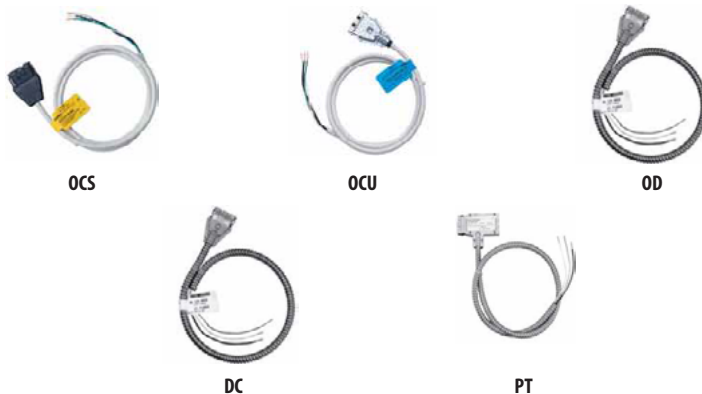
ORDERING INFORMATION

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)	AE Hot conductor wired to position #1 (phase A), hot conductor #2 wired to position #2 (phase B) ²
	B	Hot conductor wired to position #2 (phase B)	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) ^{1,2}
	C	Hot conductor wired to position #3 (phase C) ¹	C12S Hot conductor in position #1 (phase A), low voltage conductor #1 in position #2, low voltage conductor #2 in position #3 ^{1,3}
	AB	Outboard hot conductor wired to position #1 (phase A), inboard hot conductor wired to position #2 (phase B)	

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



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.