![Lithonia Lighting logo]

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal one-for-one replacement of conventional lighting systems such as HID and fluorescent. Applications include manufacturing, warehousing and other large indoor spaces with mounting heights ranging from 10' – 40'. Luminaire shall be suspended a minimum 24" from ceiling. Surface mounting is not permitted. **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 at warm ambient temperatures. Due to precision thermal engineering for maximum naturally convective cooling this fixture provides lumen drop that is less than fluorescent. Fabricated steel channel provides maximum rigidity.

OPTICS — Medium distribution to meet both horizontal and vertical light level requirements. Reflectors are precision formed and painted a high reflectance white. Semi-diffuse lens is standard to provide glare control and LED protection.

ELECTRICAL — 70% lumen maintenance at 97,000 hours; predicted life of more than 100,000 hours. Thermally protected driver standard with 0-10V dimming.

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, hook monopoint or single (pendant) monopoint. Surface mounting not recommended without optional surface mounting bracket. To maintain high 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. Ambient operating temperatures vary please refer to chart on page 3.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org 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 ℃.
Specifications subject to change without notice.

LED Low Bay

IBH

9,000 through 30,000 Lumens

Patent Pending

![DLC QPL Listed logo] ![Dimmable LED logo]

ORDERING INFORMATION	Lead times will vary depending on options selected. Consult with your sales representative.				**Example**: IBH 18000LM SD080 MD MVOLT GZ10 40K 70CRI WH		

IBH					GZ10		
Series	**Lumens**	**Lens**	**Distribution**	**Voltage**	**Driver**	**Color temperature**	**Color rendering index**
IBH	9000LM 9,000 lumens 12000LM 12,000 lumens 15000LM 15,000 lumens 18000LM 18,000 lumens 24000LM 24,000 lumens 30000LM 30,000 lumens	SD080 Semi-diffuse acrylic L/LENS Less lens¹	ND Narrow MD Medium	MVOLT 120-277V HVOLT 347V-480V 120 120V 277 277V	GZ10 0-10V dimming	40K 4000 K 50K 5000 K	70CRI 70 CRI 80CRI 80 CRI ²

Options				**Finish**	
GLR	Internal fast-blow fuse ³,⁴	**Motion sensors:**		WH	Gloss white
OUTCTR	Wiring leads pulled through back center of fixture	LCOZU	Aisle motion sensor, pre-wired ³,⁷	MB	Matte black
OCS	RELOC® OnePass® 5' installed ³	LCHOSZU	Aisle motion sensor, pre-wired; programmable dimming ³,⁷		
RRL	RELOC®-ready luminaire. See page 5 for ordering information	LCPZU	Aisle motion sensor with photocell; pre wired ³,⁷		
WGX	Standard wire guard, installed	LACOSZU	Aisle motion sensor, dimming and switching photocell, pre-wired ³,⁷		
Cord sets: ⁵		LAOZU	360° motion sensor, pre-wired ³,⁷		
CS1W	Straight plug, 120V ³,⁶	LAHOSZU	360° motion sensor, pre-wired; programmable dimming ³,⁷		
CS3W	Twist-lock, 120V ³,⁶	LAPZU	360° motion sensor with photocell, pre-wired ³,⁷		
CS7W	Straight plug, 277V ³,⁶	MSI6XADL DSCXADL	360° Xpoint wireless motion sensor with photocell ³,¹³		
CS11W	Twist-lock, 277V ³,⁶	LAMOSZU	360 motion sensor, dimming and switching photocell, pre-wired (T24 compliant)³,⁷		
CS25W	Twist-lock, 347V ³,⁶	LCMOSZU	Aisle motion sensor, dimming and switching photocell, pre-wired (T24 compliant)³,⁷		
CS97W	Twist-lock, 480V ³,⁶	nPP16D	nLight® switching/dimming module ³,⁸		
CS93W	600V SEOOW white cord, no plug (no voltage required)	nMSI	nLight, aisle motion sensor, pre-wired ³,⁹		
		nMSI360	nLight, 360° motion sensor, pre-wired ³,¹⁰		
		nMSID	nLight, aisle motion sensor, pre-wired, dimmng ³,¹¹		
		nMSI360D	nLight, 360° motion sensor, pre-wired, dimming ³,¹²		
		XPW	Factory installed XPoint™ wireless 0-10V dimming relay ³,¹³,¹⁴		

See footnotes on page 2.

Accessories: *Order as separate catalog number.*

Mounting:

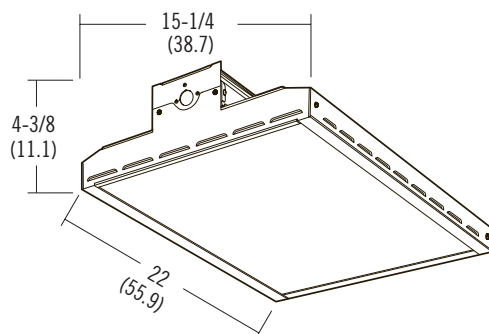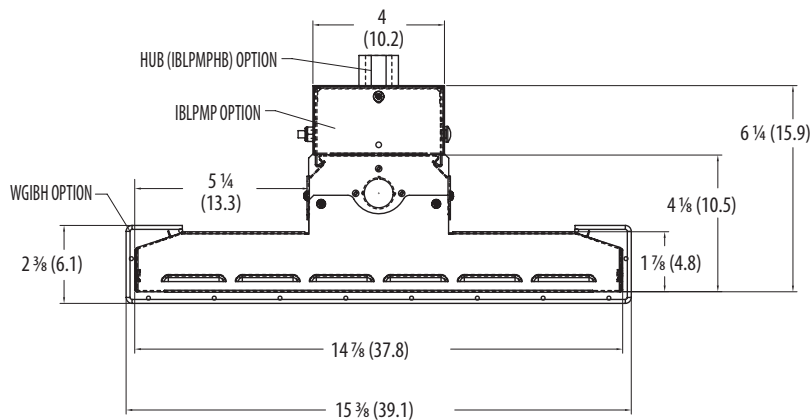|	
IBAC120 M20	Aircraft cable 10' with hook (one pair)
IBAC240 M20	Aircraft cable 20' with hook (one pair)
IBHMP	Hook monopoint
ZACVH	Aircraft 10' V hanger (one pair)
IBLPMP	Pendant monopoint splice box, includes side covers
IBLPMPHB	Pendant monopoint splice box with 3/4" hub, includes side covers
HC36	Hanger chain, 36" (one pair)
THUN	Tong hanger bracket (order 2 per fixture) [15]

Wire guards:

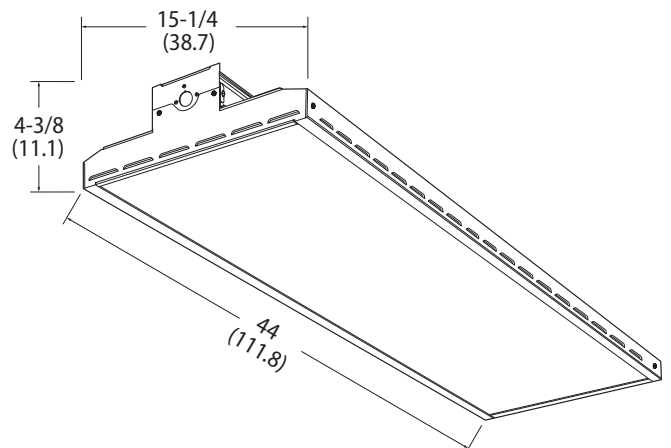|	
WGIBH	Wire guard for use with 9000LM - 15000LM fixtures
WGIBH4	Wire guard for use with 18000LM - 30000LM fixtures

Notes

1   Direct eye exposure to the high-power LEDs can injure the eyes. Proper precautions should be taken to avoid direct prolonged and/or close-range viewing of the LEDS while operating.

2   10% reduction in lumens compared to 70 CRI.

3   Must specify voltage.

4   Not available with 347V.

5   All cord sets are 18/3, 6', white.

6   Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.

7   Other configurations available, see page four for additional options. Maximum ambient temperature 104°F (40°C).

8   347V and 480V with nPP16D utilizes a step down transformer.

9   nMSI options utilizes a nPP16 and nCMB 50 sensor, CAT5e connector cable also included. Available 120 or 277V only.

10   nMSI360 options utilizes a nPP16 and nCMB 6 sensor, CAT5e connector cable also included. Available 120 or 277V only.

11   nMSID options utilizes a nPP16D and nCMB 50 sensor CAT5e connector cable also included. Available 120 or 277V only.

12   nMSI360D options utilizes a nPP16D and nCMB 6 sensor, CAT5e connector cable also included. Available 120 or 277V only.

13   For use in ambient temperatures ranging from -14° to 104°F (-10° to 40°C).

14   XPW option utilizes the XPA CMRB0. Must specify voltage 120-277 only.

15   For use in applications with ambient temperatures up to 30C.

DIMENSIONS

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

9,000, 12,000 and 15,000 Lumens

18,000, 24,000 and 30,000 Lumens

OPERATIONAL DATA

Lumen package	Ambient rating* (120V - 277V)	Ambient rating* (347V / 480V)	Lens option	70CR, 50K	70CRI, 40K	80CRI, 50K	80CRI, 40K
9000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 86°F (-40°C to 35°C)	SD080	10,158	10,027	9,746	8,854
			L/Lens	10,745	10,607	10,310	9,366
12000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 86°F (-40°C to 35°C)	SD080	14,380	14,189	10,798	12,524
			L/Lens	15,211	15,009	14,596	13,248
15000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	16,676	16,455	15,994	14,530
			L/Lens	17,640	17,407	16,919	15,370
18000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	21,830	21,539	20,947	19,012
			L/Lens	23,092	22,785	22,159	20,112
24000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	26,844	26,493	25,761	23,384
			L/Lens	28,397	28,025	27,251	24,737
30000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	SD080	33,352	32,910	31,998	29,050
			L/Lens	35,281	34,814	33,849	30,730

* Ambient temperature ratings vary depending on options selected.

CHARACTERISTICS

Lumen package	Wattage 120V	277V	347V	480V	Length	Width	Depth	Weight without Lens (Lens kit adds approx. 7 lbs (2.3 kg)	Comparable light source
9000LM	99	97	95	95	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	2-lamp T5HO
12000LM	131	129	126	125	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	4-lamp T8, 250W HID
15000LM	155	152	149	148	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	4-lamp T5HO, 6-lamp T8
18000LM	202	199	194	194	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	4-lamp T5HO, 6-lamp T8, 400W HID
24000LM	257	253	247	247	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	6-lamp T5HO, 8-lamp T8
30000LM	310	305	298	297	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	8-lamp T5HO

Dimensions are shown in inches (centimeters) unless otherwise noted.

PROJECTED LUMEN MAINTENANCE

Operating hours	0	10,000	20,000	25,000	35,000	50,000	60,000	75,000	100,000
Lumen maintenance factor	1	0.96	0.92	0.90	0.87	0.83	0.80	0.76	0.69

LUMENS VS. AMBIENT TEMPERATURE

Ambient °C	Ambient °F	Lumen multiplier
0	32	1.03
5	41	1.03
10	50	1.02
15	59	1.01
20	68	1.01
25	77	1.00
30	86	.98
35	95	.89
40	104	.79

PHOTOMETRICS

See www.lithonia.com.

LITHONIA LIGHTING *An Acuity Brands Company*

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
LCH0SZU	CMRB 50 D	MSID
LCPZU	CMRB 50 P	MSIPED
LAOZU	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   Lead times will vary depending on options selected. Consult with your sales representative.   **Example**: LAH0SZU

Series		Lens option		Dimming/Photocell		Max. dim Level		Min. dim level		Temp/Humidity		Default time delay	
L	LSXR passive infrared indoor occupancy sensor	A B C	High mount, 360° Low mount, 360° High mount aisleway	O H P M G	None [1] High/low occupancy operation Switching photocell (on/off) Dimming and switching photocell Dimming and switching photocell with high/low occupancy operation	0 9 8 7	10 VDC 9 VDC 8 VDC 7 VDC	S 1 2 3 4 5 6	Minimum dimming level of ballast 1 VDC 2 VDC 3 VDC 4 VDC 5 VDC 6 VDC	Z T	None Low temperature	I D X R U V W Y	30 seconds 2.5 minutes 5 minutes 7.5 minutes 10 minutes (with minimum 15 minutes on time) 15 minutes 20 minutes 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 B C	High mount, 360° Low mount, 360° High mount aisleway	2	Dual relay	J K O P E F	None Alternating off relays (promotes even lamp wear) Alternating off relays w/photocell Switching photocell (on/off) Photocell on/off (pole 1 only) Photocell on/off - both poles (dual set-point)	Z T	None Low temperature	I D X R U V W Y	30 seconds 2.5 minutes 5 minutes 7.5 minutes 10 minutes (with minimum 15 minutes on time) 15 minutes 20 minutes 30 minutes

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	U Unit J10 10-pack J100 100-pack

Notes
1 Dimming level fields not required when this option is chosen.

LITHONIA LIGHTING ®
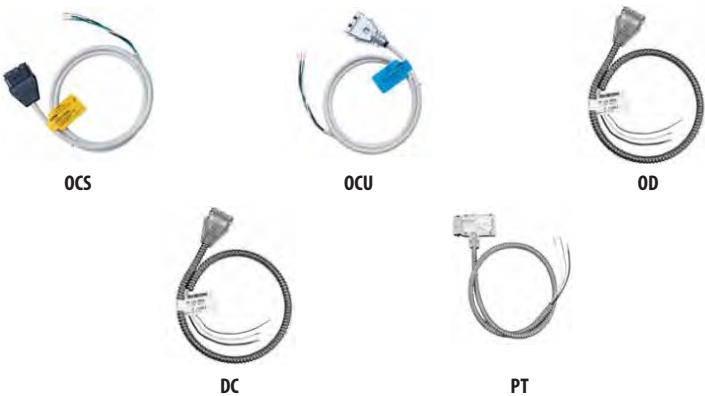*An AcuityBrands Company*

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)

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.

LITHONIA LIGHTING®

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