LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

LED High Bay

IBH

9,000 through 30,000 Lumens

Patent Pending

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 coding this fixture provides lumen droop 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 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.

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

Actual performance may differ as a result of end-user environment and application.

Actual wattage may differ by +/-1% when operating between 120-277V +/-10%.

Note: Specifications subject to change without notice.

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		SD080		MD			GZ10					
Series	**Lumens**	**Lens**		**Distribution**		**Voltage**	**Driver**		**Color temperature**		**Color rendering index**	
IBH	9000LM 9,000 lumens 12000LM 12,000 lumens 18000LM 18,000 lumens 24000LM 24,000 lumens 30000LM 30,000 lumens	SD080	Semi-diffuse acrylic	MD	Medium	MVOLT 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 [1]	

Options				**Finish**	
GLR	Internal fast-blow fuse [2,3]	Motion sensors:		WH	Gloss white
OUTCTR	Wiring leads pulled through back center of fixture	LCOZU	Aisle motion sensor, pre-wired [2,6]	MB	Matte black
OCS	RELOC® OnePass® 5' installed [2]	LCHOSZU	Aisle motion sensor, pre-wired; programmable dimming [2,6]		
RRL	RELOC®-ready luminaire. See page 5 for ordering information	LCPZU	Aisle motion sensor with photocell; pre wired [2,6]		
WGX	Standard wire guard, installed	LAOZU	360° motion sensor, pre-wired [2,6]		
Cord sets: [4]		LAHOSZU	360° motion sensor, pre-wired; programmable dimming [2,6]		
CS1W	Straight plug, 120V [2,5]	LAPZU	360° motion sensor with photocell, pre-wired [2,6]		
CS3W	Twist-lock, 120V [2,5]	nPP16D	nLight® switching/dimming module [2,7]		
CS7W	Straight plug, 277V [2,5]	nMSI	nLight, aisle motion sensor, pre-wired [2,8]		
CS11W	Twist-lock, 277V [2,5]	nMSI360	nLight, 360° motion sensor, pre-wired [2,9]		
CS25W	Twist-lock, 347V [2,5]	nMSID	nLight, aisle motion sensor, pre-wired, dimmng [2,10]		
CS97W	Twist-lock, 480V [2,5]	nMSI360D	nLight, 360° motion sensor, pre-wired, dimming [2,11]		
CS93W	600V SEOOW white cord, no plug (no voltage required)	XAD	Factory installed XPoint™ wireless 0-10V dimming relay [2,12]		
		MSI6XADL DSCXADL	360° Xpoint wireless motion sensor with photocell [2,12]		

See footnotes on page 2.

Accessories: *Order as separate catalog number.*

Mounting:

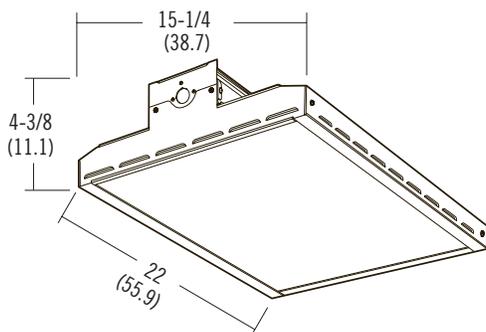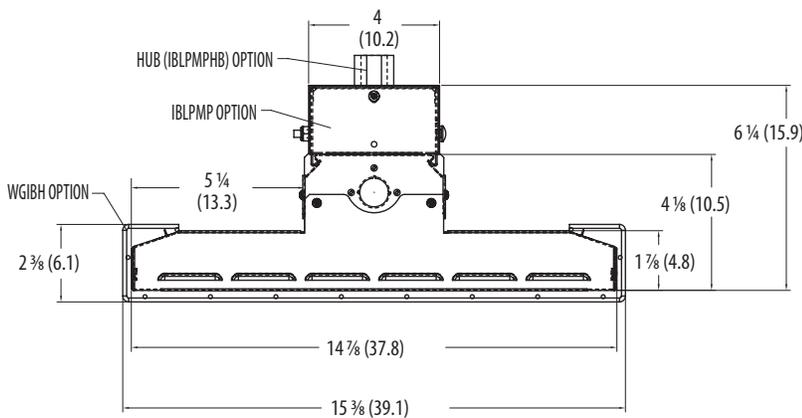|	
IBAC120 M20	Aircraft cable 10' with hook (one pair)
IBAC240 M20	Aircraft cable 20' with hook (one pair)
IBHMP	Hook monopoint
ZACVH	Aircraft 10' V hanger (one pair)
IBLPMP	Pendant monopoint splice box, includes side covers
IBLPMPHB	Pendant monopoint splice box with 3/4" hub, includes side covers
HC36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

Wire guards:

WGIBH	Wire guard for use with 9000LM and 12000LM fixtures
WGIBH4	Wire guard for use with 18000LM - 30000LM fixtures

Notes
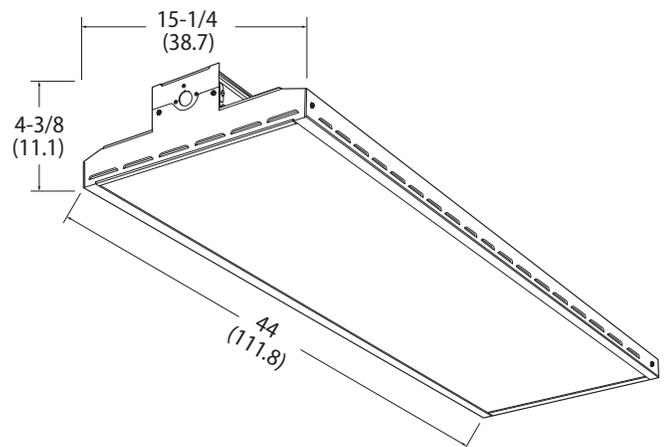
1 10% reduction in lumens compared to 70 CRI.

2 Must specify voltage.

3 Not available with 347V.

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

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

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

7 347V and 480V with nPP16D utilizes a step down transformer.

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

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

10 nMSID options utilizes a nPP16 and nCMB 50 D sensor CAT5e connector cable also included. Available 120 or 277V only.

11 nMSI360D options utilizes a nPP16 and nCMB 6 D sensor, CAT5e connector cable also included. Available 120 or 277V only.

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

DIMENSIONS

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

9,000 and 12,000 Lumens

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

LITHONIA LIGHTING®

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OPERATIONAL DATA

Lumen package	Ambient rating* (120V - 277V)	Ambient rating* (347V / 480V)	Delivered lumens 5000 K CCT, 70CRI @ 77°F (25°C) ambient temperature	Delivered lumens 4000 K CCT, 70CRI @ 77°F (25°C) ambient temperature	Delivered lumens 5000 K CCT, 80CRI @ 77°F (25°C) ambient temperature	Delivered lumens 4000 K CCT, 80CRI @ 77°F (25°C) ambient temperature
9000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 86°F (-40°C to 30°C)	10,736	10,120	10,083	9,504
12000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 86°F (-40°C to 30°C)	13,558	12,780	12,733	12,002
18000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	21,472	20,240	20,165	19,008
24000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	28,463	26,830	26,731	25,197
30000LM	-40°F to 104°F (-40°C to 40°C)	-40°F to 95°F (-40°C to 35°C)	32,664	30,790	30,676	28,916

* Ambient temperature ratings vary depending on options selected.

CHARACTERISTICS

Lumen package	Wattage				Length	Width	Depth	Weight without Lens (Lens kit adds approx. 7 lbs (2.3 kg)	Comparable light source
	120V	277V	347V	480V	Dimensions are shown in inches (centimeters) unless otherwise noted.				
9000LM	99	98	95	95	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	2-lamp T5HO
12000LM	125	123	120	119	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	4-lamp T8, 250W HID
18000LM	198	195	190	189	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	253	249	243	242	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	6-lamp T5HO, 8-lamp T8
30000LM	311	307	299	298	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	8-lamp T5HO

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 ®

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INDUSTRIAL: One Lithonia Way, Conyers, GA 30012   Phone: 800-315-4963   Fax: 770-981-8191   www.lithonia.com

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
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   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 High mount, 360° B Low mount, 360° C High mount aisleway	0 None [1] H High/low occupancy operation P Switching photocell (on/off) 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 dimming 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	I 30 seconds D 2.5 minutes X 5 minutes R 7.5 minutes U 10 minutes (with minimum 15 minutes on time) V 15 minutes 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° 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	I 30 seconds D 2.5 minutes X 5 minutes R 7.5 minutes U 10 minutes (with minimum 15 minutes on time) 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° 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.

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.
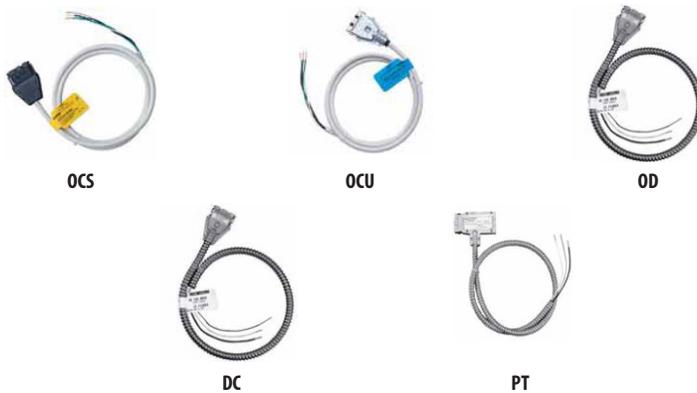- Wiping contact design allows safe disconnect under load.

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.

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