LITHONIA LIGHTING®

Catalog Number
Notes
Type

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 18" 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 — Narrow and wide distributions available to meet both horizontal and vertical light level requirements.

Reflectors feature precision-formed optics utilizing reflective Alanod® MIRO-5® aluminum to achieve narrow distribution and white polyester powder coat to achieve wide distribution. Semi-diffuse lens optional to provide glare control and LED protection.

ELECTRICAL — 70% lumen maintenance at 100,000 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 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. For use in ambient operating temperatures ranging from -40°C to 40°C.

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/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.

LED High Bay

IBH

9,000 through 30,000 Lumens

Patent Pending

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.

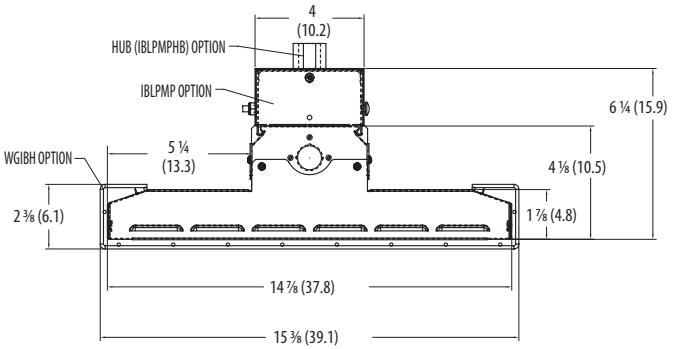
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a shaded background*

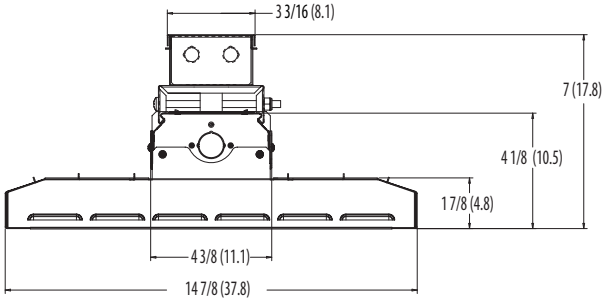
To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

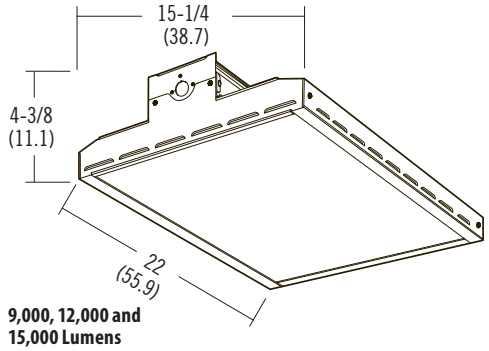
DIMENSIONS

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

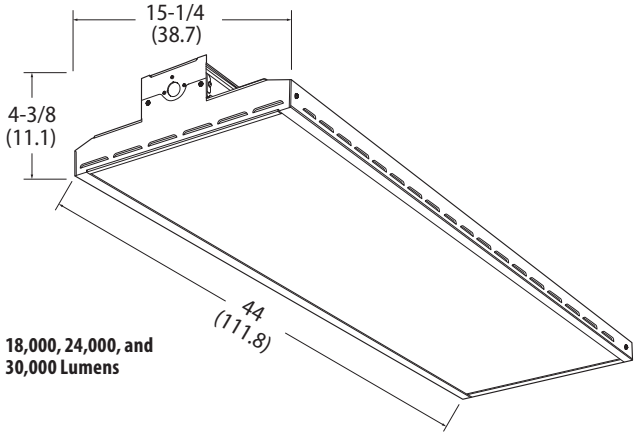




Fixture utilizing back pack.



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



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

IBH LED High Bay

A+ Capable options indicated by this color background.

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

Example: IBH 18000LM SD080 MD MVOLT 0Z10 40K 70CRI WH

IBH					0Z10		
Series	**Lumens**	**Lens**	**Distribution**	**Voltage**	**Driver**	**Color temperature**	**Color rendering index**
IBH LED bay light IBHST LED bay light, solid top	9000LM 9,000 lumens[1] 12000LM 12,000 lumens[1] 15000LM 15,000 lumens 18000LM 18,000 lumens 24000LM 24,000 lumens 30000LM 30,000 lumens	SD080 Semi-diffuse acrylic L/LENS Less lens[2]	ND Narrow MD Medium	MVOLT 120-277V HVOLT 347V-480V[1,3] 120 120V 208 208V 240 240V 277 277V 347 347V[1,3] 480 480V[1,3]	0Z10 Osram, 0-10V dimming	30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K	70CRI 70 CRI 80CRI 80 CRI 90CRI 90 CRI

Options

GLR Internal fast-blow fuse [4]
BSL20HV Battery pack [5]
BGTD Generator transfer device[6]
OUTCTR Wiring leads pulled through back center of fixture (not available with back pack)
SPD Surge protection device [7]
OCS RELOC® OnePass® 5' installed [4]
RRL RELOC®-ready luminaire. See page 5 for ordering information (must be ordered separately)
IMP Integrated modular plug (not available with 347V or 480V) [4,8]
WGX Standard wire guard, installed

Cord sets:

CS1W Straight plug, 120V [9,10]
CS3W Twist-lock, 120V [9,10]
CS7W Straight plug, 277V [9,10]
CS11W Twist-lock, 277V [9,10]
CS25W Twist-lock, 347V [9,10]
CS97W Twist-lock, 480V [9,10]
CS93W 600V SEOOW white cord, no plug (no voltage required)[9]

Motion sensors:

LC0ZU	Aisle motion sensor, pre-wired [4,11]
LCH0SZU	Aisle motion sensor, pre-wired; programmable dimming [4,11]
LCPZU	Aisle motion sensor with photocell; pre wired [4,11]
LA0ZU	360° motion sensor, pre-wired [4,11]
LAH0SZU	360° motion sensor, pre-wired; programmable dimming [4,11]
LAPZU	360° motion sensor with photocell, pre-wired [4,11]
MSI6XADL DSCXADL	360° Xpoint wireless motion sensor with photocell [4,12]
LAM0SZU	360 motion sensor, dimming and switching photocell, pre-wired (T24 compliant) [4,11]
LCM0SZU	Aisle motion sensor, dimming and switching photocell, pre-wired (T24 compliant) [4,11]
C6D0SUEM	360° motion sensor, dimming and switching photocell, pre-wired (UL924 compliant) [4,13]
C10D0SUEM	360° motion sensor, dimming and switching photocell, pre-wired (UL924 compliant) [4,14]
nPP16D	nLight® switching/dimming module [4,15]
nPP16DER	nLight® switching/dimming module with emergency relay [4,16]
nMSI	nLight, aisle motion sensor, pre-wired [4,17]
nMSI360	nLight, 360° motion sensor, pre-wired [4,18]
nMSID	nLight, aisle motion sensor, pre-wired, dimmng [4,19]
nMSI360D	nLight, 360° motion sensor, pre-wired, dimming [4,20]
XPW	External factory installed XPoint™ wireless 0-10V dimming relay [4,12,21]
XAD	Integral factory installed XPoint™ wireless 0-10V dimming relay [4,22]

Finish

WH Gloss white
MB Matte black

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 (not available with fixtures utilizing back pack when ordered with 347, 480 & HVOLT)
IBLPMPHB Pendant monopoint splice box with 3/4" hub, includes side covers (not available with fixtures utilizing back pack when ordered with 347, 480 & HVOLT)
HC36 Hanger chain, 36" (one pair)
THUN Tong hanger bracket (order 2 per fixture) [23]

Wire guards:

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

Cord sets and sensors for IMP option:

CS1WIMP Straight plug, 120V [9,10,24]
CS3WIMP Twist-lock, 120V [9,10,24]
CS7WIMP Straight plug, 277V [9,10,24]
CS11WIMP Twist-lock, 277V [9,10,24]
CS25WIMP Twist-lock 347V [9,10,24]
CS93WIMP 600V SO white cord, no plug (no voltage required) [9,24]
CS97WIMP Twist-lock 480V [9,10,24]
MSIIMP Aisle sensor [5,24]
MSI360IMP 360° sensor [5,24]

See footnotes on page 3

Notes

1 Lumen package chosen utilizes a step down transformer when ordered with 347, 480, or HVOLT. Step down transformer requires a back pack mounted to fixture channel. Not available with IBLPMP or IBLPMPHB pendant accessories.

2 Visible pixilation is present when choosing L/LENS option. Not recommended for applications where direct viewing of high intensity LED's will be unacceptable.

3 Ships standard with surge protection.

4 Must specify voltage.

5 Available with 120, 277 or MVOLT only.

6 BGTD utilizes fixture backpack. For use in ambient temperatures up to 30C.

7 Ships standard on HVOLT, 347, and 480V and all Motion sensors.

8 Must be factory installed. Must have "IMP" power cord to power fixture. Cordsets may be ordered with fixture or as accessory.

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

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

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

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

13 Utilizes XPA CMRB6.

14 Utilizes XPA CMRB10.

15 347V and 480V with nPP16D utilizes a step down transformer. Not available with 9000LM, 12000LM, and 15000LM when ordered with BSL20HV.

16 347V and 480V with nPP16DER utilizes a step down transformer. Not available with 9000LM, 12000LM, and 15000LM when ordered with BSL20HV.

17 nMSI options utilizes a nPP16 and nCMB 50 sensor, CAT5e connector cable also included. Not available with 9000LM, 12000LM and 15000LM when ordered with BSL20HV.

18 nMSI360 options utilizes a nPP16 and nCMB 6 sensor, CAT5e connector cable also included. Not available with 9000LM, 12000LM and 15000LM when ordered with BSL20HV.

19 nMSID options utilizes a nPP16D and nCMB 50 sensor CAT5e connector cable also included. Not available with 9000LM, 12000LM and 15000LM when ordered with BSL20HV.

20 nMSI360D options utilizes a nPP16D and nCMB 6 sensor, CAT5e connector cable also included. Not available with 9000LM, 12000LM and 15000LM when ordered with BSL20HV.

21 XPW option utilizes the XPA CMRB0.

22 For use in ambient temperatures up to 35°C . Utilizes fixture back pack when ordered with 347V or 480V.

23 For use in applications with ambient temperatures up to 30°C. Not for use on fixtures with BSL20HV, HVOL T when ordered with 9000LM, 12000LM, XAD, XPW, or nPP16D.

24 Fixtures must have IMP option.

PHOTOMETRICS

See www.lithonia.com.

OPERATIONAL DATA.

Lumen package	Ambient rating*	Lens option	70CRI, 40K	70CRI, 50K	80CRI, 40K	80CRI, 50K
9000LM	-40°F to 104°F (-40°C to 40°C)	SD080	9,411	9,500	8,796	8,872
		L/LENS	10,053	10,149	9,396	9,477
12000LM	-40°F to 104°F (-40°C to 40°C)	SD080	12,396	12,280	11,478	11,576
		L/LENS	13,242	13,119	12,261	12,366
15000LM	-40°F to 104°F (-40°C to 40°C)	SD080	15,356	15,212	14,218	14,340
		L/LENS	16,404	16,251	15,189	15,318
18000LM	-40°F to 104°F (-40°C to 40°C)	SD080	18,478	18,306	17,109	17,255
		L/LENS	19,740	19,555	18,277	18,433
24000LM	-40°F to 104°F (-40°C to 40°C)	SD080	25,535	25,297	23,643	23,845
		L/LENS	27,278	27,023	25,257	25,473
30000LM	-40°F to 104°F (-40°C to 40°C)	SD080	30,503	30,218	28,243	28,484
		L/LENS	32,585	32,280	30,171	30,428

* 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	79	78	84	87	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	2-lamp T5HO
12000LM	112	109	118	120	22 (55.9)	15-1/4 (38.7)	4-3/8 (11.1)	10 lbs (4.5 kg)	4-lamp T8, 250W HID
15000LM	140	137	143	143	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	146	142	142	143	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	221	216	209	210	44 (111.8)	15-1/4 (38.7)	4-3/8 (11.1)	20 (9.1 kg)	6-lamp T5HO, 8-lamp T8
30000LM	280	272	264	265	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	0.97	0.94	0.94	0.89	0.84	0.81	0.77	0.70

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

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 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.

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.