LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE — The I-BEAM® IBZ fluorescent high bay is ideal for new construction and renovation projects. It is a one-for-one replacement of common metal halide high bay systems. Applications include manufacturing, warehousing, commercial and industrial facilities. The IBZ fixture performs well at mounting heights from 15'-40'. **Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.**

CONSTRUCTION — The highly configurable design of the IBZ high bay allows for a multitude of fixture options that can either be factory- or field-installed. In addition to the reliable operation of IBZ fixtures, the reflectors tightly control the distribution of light and effectively manage lamp heat to increase the overall efficiency. The result is superior optics in either narrow distribution for aisles, or wide distribution for general lighting. Installation is made quick and easy with IBZ hanging accessories such as the aircraft cable and single-point mounting bracket. IBZ fixtures can be factory-wired to have both sensors and cord sets, further reducing installation time. The configurability, performance and ease of installation make IBZ fixtures the preferred choice for fluorescent high bay lighting.

Channel is formed of heavy-duty code-gauge (22-gauge) steel to stand up to the most demanding elements. Lamp holder assembly protects from incidental damage or movement of sockets during handling and installation. Sockets include secure positioning rotating collars with enclosed contacts. Access plate on the back of the channel housing allows quick and easy wiring. Finish: Channel is high-gloss white baked enamel; five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

OPTICS — Two optical systems are available. Narrow distribution is ideal for narrow or aisle lighting applications and features precision-formed segmented optics utilizing specular aluminum reflector. Provides 95% reflectivity and warranted for 25 years. Wide distribution includes high-reflectance white finish for general or open areas.

ELECTRICAL — Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout rated for required temperatures. Ballast disconnect (BDP) is standard unless EL14 or cordset is requested.

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.

LISTINGS — CSA Certified to U.S. and Canadian safety standards (UL1598 and CSA 250.0-08 for 25C ambient operation). Suitable for damp locations.

WARRANTY — 1-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.

Note: Specifications subject to change without notice.

I-BEAM® IBZ
FLUORESCENT HIGH BAY

Fluorescent High Bay

IBZ

4-, 6- or 8-lamp T8
Patent Pending

SPECIFICATIONS

	Length	Width	Depth	Weight
4-lamp	48-1/16 (1221)	13-1/4 (337)	2-3/8 (60)	16 lbs. (7.3 kg)
6-lamp	48-1/16 (1221)	18-1/8 (460)	2-3/8 (60)	20 lbs (9.1 kg)
8-lamp	48-1/16 (1221)	23-7/8 (606)	2-3/8 (60)	25 lbs. (11.3 kg)

All dimensions are inches (millimeters) unless otherwise specified and may vary with options or accessories.

DIMENSIONS

Dimensions may vary with options or accessories.

13-1/4 (337) — 2-3/8 (60)

18-1/2 (470) — 2-3/8 (60)

23-7/8 (606) — 2-3/8 (60)

48-1/16 (1220)
24-1/2 (622)
3-1/4 (83)
3-3/4 (95)
1-1/4 (32)
2-3/4 (70)
A = 7/8 (22) Dia knockout

48-1/16 (1220)
24-1/2 (622)
3-1/4 (83)
3-3/4 (95)
1-1/4 (32)
2-3/4 (70)
A = 7/8 (22) Dia knockout

48-1/16 (1220)
24-1/2 (622)
3-1/4 (83)
3-3/4 (95)
1-1/4 (32)
2-3/4 (70)
A = 7/8 (22) Dia knockout
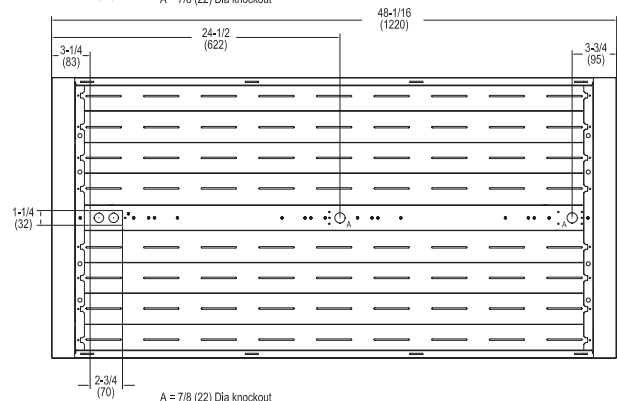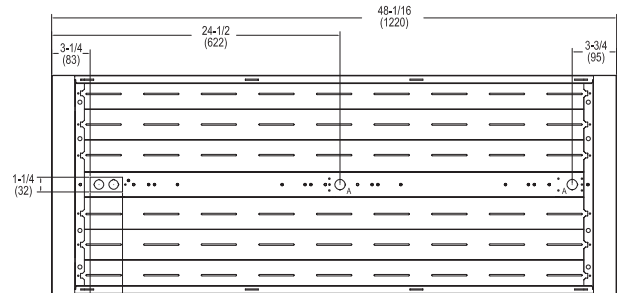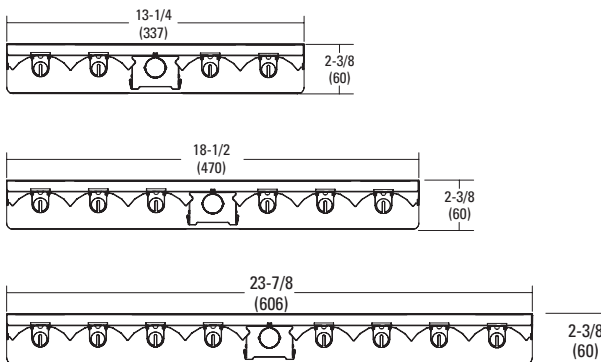
IBZ Fluorescent High Bay, T8

ORDERING INFORMATION	For shortest lead times, configure products using **standard options (shown in bold)**.				Example: IBZ 432L

IBZ

Series	Lamp type	Distribution		Shielding [2]		Voltage		Ballast configuration	
IBZ *For tandem double-length unit, add prefix "T". Ex: TIBZ*	Lamps installed [1] **432L** 4-lamp 32W T8 **632L** 6-lamp 32W T8 **832L** 8-lamp 32W T8 Unlamped **432** 4-lamp 32W T8 **632** 6-lamp 32W T8 **832** 8-lamp 32W T8	**(blank)** NDU **WD** WDU	Narrow distribution, ≤5% uplight Narrow distribution, enhanced uplight, ≤13% uplight Wide distribution, ≤5% uplight Wide distribution, enhanced uplight, ≤13% uplight	**(blank)** A12125 ACL PCL125	No shielding Pattern 12 acrylic, 0.125" [3] Clear acrylic, 0.125" [3] Clear polycarbonate, 0.125" [3]	**(blank)**	MVOLT; 120-277V	**(blank)**	Standard configuration (see ballast configurations chart on page 3)

Ballast [4]		Lamp color		Options					
(blank) GEB10IS GEB10PS GEB10PSH	T8 electronic, instant start, 1.15-1.20 BF T8 electronic ballast, ≤10% THD, instant start, .88 BF T8 electronic ballast, ≤10% THD, programmed rapid start, .88 BF T8 electronic ballast, ≤10% THD, programmed rapid start, 1.15-1.20 BF	**(blank)** LP835 LP850	F32T8/841 F32T8/835 F32T8/850	GLR GMF EL14 EL14SD I162 OUTCTR OCS IMP FSP HBBSIC HBBS36IC	Internal fast-blow fuse [5,6] Internal slow-blow fuse [5,6] Emergency battery pack [5,6,7] Emergency battery pack w/ self-diagnostics [5,7,8] 1250 lumens per lamp battery [5,7 9] Wiring leads pulled through back center of fixture [2] RELOC® OnePass® 5' installed [5] Integrated modular plug [10,11] Integral full side panels Chain hanger (pair) Chain hanger with 36" chain (pair)	Cord sets: CS1W CS3W CS7W CS11W CS25W CS97W CS93W Wireguards: WGX 2WGX	Straight plug, 120V [12,13] Twist-lock, 120V [12,13] Straight plug, 277V [12,13] Twist-lock, 277V [12,13] Twist-lock, 347V [12,13] Twist-lock, 480V [12,13] 600 SO white cord, no plug (no voltage required) [12] External wireguard installed Dual wireguard for top and bottom protection [14]	Motion sensors: LC0ZU LCH0SZU LCPZU LA0ZU LAH0SZU LAPZU MSE360 MSE360LB nPP16D nMSI nMSI360	Aisle motion sensor, pre-wired [15,16] Aisle motion sensor, pre-wired; programmable dimming [15,16] Aisle motion sensor with photocell; pre-wired [15,16] 360° motion sensor, pre-wired [15,16] 360° motion sensor, pre-wired; programmable dimming [15,16] 360° motion sensor with photocell, pre-wired [15,16] 360° motion sensor, embedded, high bay [15,16] 360° motion sensor, embedded, low bay [15,16] nLight switching/dimming module [17] nLight, aisle motion sensor, pre-wired [18] nLight, 360° motion sensor, pre-wired [19]

Accessories: *Order as separate catalog number.*

Mounting:		Field-installable door and lens assemblies: [2,21]		Cord sets and sensors for IMP option:		Wireguards:	
IBAC120 M20	Aircraft cable 10' with hook (one pair)	DLIBZ14 A12125	4-lamp pattern 12 acrylic lens, 0.125" [2,21]	CS1WIMP	Straight plug, 120V [12,13]	WGIBZ14	Standard 4-lamp wireguard
IBAC240 M20	Aircraft cable 20' with hook (one pair)	DLIBZ14 ACL	4-lamp clear acrylic lens [2,21]	CS3WIMP	Twist-lock, 120V [12,13]	WGIBZ19	Standard 6-lamp wireguard
IBHMP	Hook monopoint	DLIBZ14 PCL125	4-lamp clear polycarbonate lens, 0.125" [2,21]	CS7WIMP	Straight plug, 277V [12,13]	WGIBZ24	Standard 8-lamp wireguard
IBZACVH	Aircraft 10' V hanger (one pair)			CS11WIMP	Twist-lock, 277V [12,13]		
IBZTFC	Tandem coupler and 8' side panel	DLIBZ19 A12125	6-lamp pattern 12 acrylic lens, 0.125" [2,21]	CS25WIMP	Twist-lock, 347V		
IBZPMP	Pendant monopoint splice box, includes side covers [20]	DLIBZ19 ACL	6-lamp clear acrylic lens [2,21]	CS93WIMP	600V SO white cord, no plug (no voltage required) [12]		
IBZPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) [20]	DLIBZ19 PCL125	6-lamp clear polycarbonate lens, 0.125" [2,21]	CS97WIMP	Twist-lock, 480V		
HBBS36	Chain hanger, 36" (one pair)	DLIBZ24 ACL	8-lamp clear acrylic lens [2,21]	MSIIMP	Aisle sensor [11,22]		
IBZSMB	Surface-mounting bracket (one pair)	DLIBZ24 PCL125	8-lamp clear polycarbonate lens, 0.125" [2,21]	MSI360IMP	360° sensor [11,22]		

Notes

1 Lamps installed are F32T8/841 unless otherwise specified
2 Not available with MSE360 or MSE360LB options.
3 For wireguard in door frame, add "WG" to shielding. Ex: A12125WG.
4 Certain ballast may require a BACKPACK™ installed by the factory in order to accommodate the size of the battery. The BACKPACK is NOT field installable. May only be surface mounted using IBZSMB. Not available with pendant mount using IBZPMP or IBZPMPHB. Not available with IMP.
5 Specify voltage
6 Not available with 347 voltage
7 Battery options require a BACKPACK™ installed by the factory in order to accommodate the size of the battery. The BACKPACK is NOT field installable. May only be surface mounted using IBZSMB. Not available with pendant mount using IBZPMP or IBZPMPHB. Not available with IMP.
8 Output in emergency mode varies with ambient temperature (911 lumens at 45℃). Single-lamp operation only. 120 or 277 voltage only.
9 Max 3000 lumens when used with T8 lamps up to 55℃ ambient temperature. Not available with IMP. 120 or 277 voltage only.

10 Must be factory-installed. Not available on TIBZ 16-lamp configurations.
11 Must have "IMP" power cord to power fixture.
12 All cord sets are 18/3, 6', white.
13 Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.
14 External bottom wireguard factory installed. External top wireguard shipped separately for field installation. Not available with IBZPMP.
15 Specify voltage
16 Other configurations available, see page four for additional options
17 nPP16D options utilizes nPP16 and a nIO D KO device, CAT5e connector cable alos included. Available 120 or 277V only.
18 nMSI option utilizes nPP16 and a nCMB 50, CAT5e cable also include. Available 120 or 277V only.
19 nMSI360 option utilizes a nPP16 and a nCMB 6, CAT5e cable also included. Available 120 or 277V only.
20 When ordering IBZPMP, two-ballasts configurations are recommended. Ex: 2/2. Not available with tandem units.
21 Add WG to nomenclature if wireguard is to be installed in door frame, ex: DLIBZ14 A12125WG.
22 120 or 277 voltage only. Must have "IMP" power cord to power fixture.

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	O 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.

STANDARD BALLAST CONFIGURATIONS			
	4 - lamp	**6 - lamp**	**8- - lamp**
T8 instant start (1.15 - 1.20 bf)	Two 2 - lamp ballasts	Two 3 - lamp ballasts	Two 4 - lamp ballasts
T8 instant start (.88 bf)	One 4 - lamp ballast	One 4 - lamp and one 2 - lamp ballast	Two 4 - lamp ballasts
T8 program rapid start (1.15 - 1.20 bf)	Two 2 - lamp ballasts	Two 3 - lamp ballast	One 2 - lamp and two 3 - lamp ballasts
T8 program rapid start (.88 bf)	One 4 - lamp ballast	One 4 - lamp and one 2 - lamp ballast	Two 4 - lamp ballasts

OPTIONS AND ACCESSORIES

The I-BEAM fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.

INTEGRATED MODULAR PLUG (IMP)

Must be factory-installed and allows for field installation of various modular accessories including cordsets, motion sensors, photocells and LC&D XPoint™ relays. Requires IMP cordset for operation.

Order as:
IMP

IBZ BACKPACK™

Electrical box must be factory-installed to house additional components such as emergency ballasts, step-down transformers and dimming ballasts. Extended brackets allow air flow for increased heat management of all components.
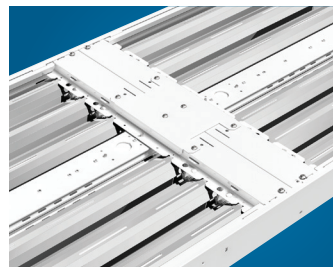
Factory-installed.

V-SHAPED WIRE GUARD (external)

Flex on impact to absorb shock, reducing damage to the fixture assemblies. Wire guards can be mounted on top and bottom of fixtures to provide full protection.

Factory-installed option:
WGX
2WGX

Field-installed option:
WGIBZ14
WGIBZ19
WGIBZ24

TANDEM CAPABILITY

Supports applications requiring high luminance and high mounting heights. The 8' tandem option is factory-assembled with continuous steel side panels and tensioning couplers. Tandem kits are also available for field installation.

Factory-installed option:
TIBZ

Field-installed option:
IBZTFC

PENDANT MONOPOINT BRACKET

Accepts ¾" rigid conduit for single-point mounting. The bracket can be adjusted to help counterbalance fixture to off set weight variance from end to end.

Order as:
IBZPMP
IBZPMPHB

LITHONIA LIGHTING®

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