

FEATURES & SPECIFICATIONS

INTENDED USE — The 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. The unique Cool Running Plus™ technology provides industry-leading, trouble-free operation in ambient temperatures up to 155°F (68°C). Applications include manufacturing, warehousing, commercial and industrial facilities. The IBZ fixture performs well at mounting heights from 15'-40'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate 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. The easy-access ballast channel houses the proprietary Cool Running Plus technology, which is the most advanced fluorescent ballast technology available for fluorescent high bay lighting. It has independent lamp operation to reduce lamp maintenance costs, is fast-starting to improve occupancy sensing, and a proprietary thermal-sensing processor that allows for reliable operation in environments where ambient temperatures can reach up to 155°F (68°C).

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. Lamp holders (sockets) are manufactured from PBT (polybutylene terephthalate) material for increased chemical resistance along with secure positioning rotating collars and 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 EL 14 or cord set 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. To maintain high ambient listing, fixture should be mounted at a minimum plenum height of 8".

LISTINGS — CSA Certified to U.S. and Canadian safety standards (UL1598 and CSA 250.0-08) for 55°C and 40°C lensed. Suitable for damp locations.

WARRANTY — 1-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. Specifications subject to change without notice.

Catalog Number
Notes
Type

T-BEAM® IBZ
FLUORESCENT HIGH BAY

Fluorescent High Bay

IBZ

4-, 6- or 8-lamp T5HO

Patent Pending

COOL RUNNING
TECHNOLOGY

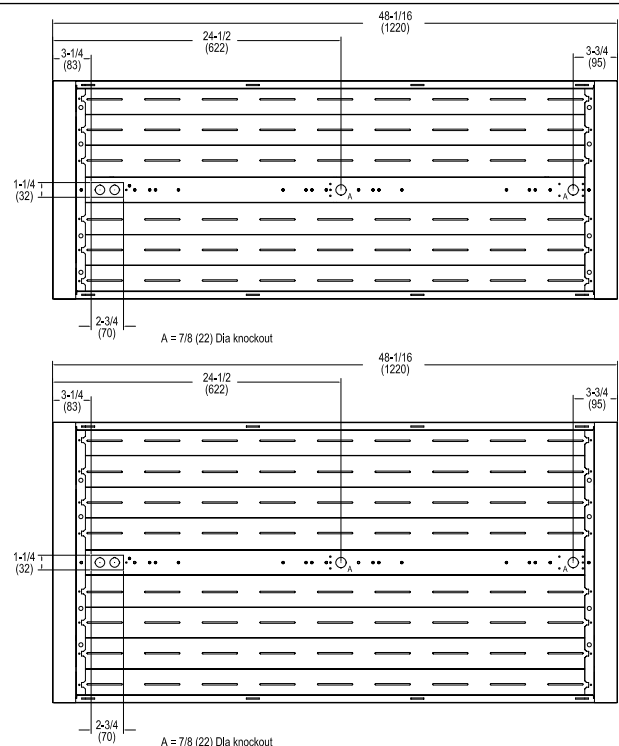
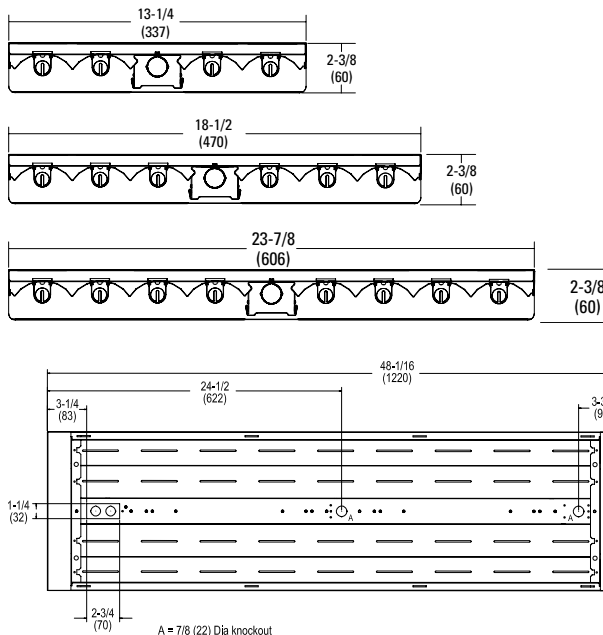


SPECIFICATIONS				
	Length	Width	Depth	Weight
4-lamp	48-1/16 (1221)	13-1/4 (337)	2-3/8 (60)	16 lbs. (7.3 kg)
6-lamp	48-1/16 (1221)	18-1/8 (460)	2-3/8 (60)	20 lbs (9.1 kg)
8-lamp	48-1/16 (1221)	23-7/8 (606)	2-3/8 (60)	25 lbs. (11.3 kg)

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

DIMENSIONS

Dimensions may vary with options or accessories.



IBZ Fluorescent High Bay, T5H0

Example: IBZ 454L

ORDERING INFORMATION

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

IBZ											
Series	Lamp type	Distribution		Shielding ²		Voltage		Ballast configuration		Ballast ⁶	
IBZ <i>For tandem double-length unit, add prefix "T". Ex: TIBZ</i>	Lamps installed ¹	(blank)	Narrow distribution, ≤5% uplight	(blank)	No shielding	(blank)	MVOLT; 120-277V	(blank)	Standard configuration	ACRP	Cool Running Plus T5 electronic, 1.0 BF, programmed rapid start ⁷
	454L 4-lamp 54W T5H0	NDU	Narrow distribution, enhanced uplight, ≤13% uplight	A1212S	Pattern 12 acrylic, 0.125" ^{3,4}	HVOLT 347V-480V ⁵	4-lamp = (1) 4-lamp ballast 6-lamp = (1) 2-lamp and (1) 4-lamp ballast 8-lamp = (2) 4-lamp ballasts	GEB10PS90	T5 electronic, 1.0 BF, programmed rapid start		
	654L 6-lamp 54W T5H0										
	854L 8-lamp 54W T5H0										
	Unlamped										
	454 4-lamp 54W T5H0	WD	Wide distribution, ≤5% uplight	NLWG	No lens; wireguard in door frame ³						
	654 6-lamp 54W T5H0	WDU	Wide distribution, enhanced uplight, ≤13% uplight								
854 8-lamp 54W T5H0											
Lamp color		Options									
(blank)	F54T5H0/841	GLR	Internal fast-blow fuse ^{9,10}		<u>Cord sets:</u>		<u>Motion sensors:</u>				
LP835	F54T5H0/835	GMF	Internal slow-blow fuse ^{9,10}		CS1W	Straight plug, 120V ^{15,16}	LCOZU	Aisle motion sensor, pre-wired ^{18,19}			
LP850	F54T5H0/850	EL14	Emergency battery pack ^{9,11,12}		CS3W	Twist-lock, 120V ^{15,16}	LCH0SZU	Aisle motion sensor, pre-wired; programmable dimming ^{18,19}			
Amalgam lamps ⁸		EL14SD	Emergency battery pack w/ self-diagnostics ^{9,11,12}		CS7W	Straight plug, 277V ^{15,16}	LCPZU	Aisle motion sensor with photocell; pre-wired ^{18,19}			
LP841A	F54T5H0/841	I162	1250 lumens per lamp battery ^{11,12,13}		CS11W	Twist-lock, 277V ^{15,16}	LAQZU	360° motion sensor, pre-wired ^{18,19}			
LP835A	F54T5H0/835	OUTCTR	Wiring leads pulled through back center of fixture ³		CS25W	Twist-lock, 347V ^{15,16}	LAH0SZU	360° motion sensor, pre-wired; programmable dimming (only available with programmable dimming ballasts) ^{18,19}			
LP850A	F54T5H0/850				CS97W	Twist-lock, 480V ^{15,16}	LAPZU	360° motion sensor with photocell, pre-wired ^{17,18}			
Energy-saving 49W lamps		OCS	RELOC® OnePass® 5' installed ⁹		CS93W	600 SO white cord, no plug (no voltage required) ^{15,16}	MSE360	360° motion sensor, embedded, high bay ^{18,19}			
P841E49	F54T5H0/841	IMP	Integrated modular plug ¹⁴		<u>Wireguards:</u>		MSE360LB	360° motion sensor, embedded, low bay ^{18,19}			
P835E49	F54T5H0/835	FSP	Integral full side panels		WGX	External wireguard installed	nPP16D	nLight switching/dimming module ²⁰			
P850E49	F54T5H0/850	HBBSIC	Chain hanger (pair)		2WGX	External wireguard installed on bottom of fixture ¹⁷	nMSI	nLight, aisle motion sensor, pre-wired ²¹			
		HBBS36IC	Chain hanger with 36" chain (pair)				nMSI360	nLight, 360° motion sensor, pre-wired ²²			

Accessories: Order as separate catalog number.							
<u>Mounting:</u>		<u>Field-installable door and lens assemblies:</u> ^{24, 25}		<u>Cord sets and sensors for IMP option:</u>		<u>Wireguards:</u>	
IBAC120 M20	Aircraft cable 10' with hook (one pair)	DLIBZ14 A1212S	4-lamp pattern 12 acrylic lens, 0.125" ^{24, 25}	CS1WIMP	Straight plug, 120V ^{9, 15, 16}	WGIBZ14	Standard 4-lamp wireguard
IBAC240 M20	Aircraft cable 20' with hook (one pair)			CS3WIMP	Twist-lock, 120V ^{9, 15, 16}	WGIBZ19	Standard 6-lamp wireguard
IBHMP	Hook monopoint	DLIBZ14 ACL	4-lamp clear acrylic lens ^{24, 25}	CS7WIMP	Straight plug, 277V ^{9, 15, 16}	WGIBZ24	Standard 8-lamp wireguard
IBZACVH	Aircraft 10' V hanger (one pair)	DLIBZ14 PCL12S	4-lamp clear polycarbonate lens, 0.125" ^{24, 25}	CS11WIMP	Twist-lock, 277V ^{9, 15, 16}		
IBZTFC	Tandem coupler and side panel			CS25WIMP	Twist-lock 347V		
IBZPMP	Pendant monopoint splice box, includes side covers ²³	DLIBZ19 A1212S	6-lamp pattern 12 acrylic lens, 0.125" ^{24, 25}	CS93WIMP	600V SO white cord, no plug (no voltage required) ¹⁵		
IBZPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) ²³	DLIBZ19 ACL	6-lamp clear acrylic lens ^{24, 25}	CS97WIMP	Twist-lock 480V		
HBBS36	Chain hanger, 36" (one pair)	DLIBZ19 PCL12S	6-lamp clear polycarbonate lens, 0.125" ^{24, 25}	MSIIMP	Aisle sensor ^{9, 26}		
IBZSMB	Surface-mounting bracket (one pair)	DLIBZ24 ACL	8-lamp clear acrylic lens ^{24, 25}	MSI360IMP	360° sensor ^{9, 26}		
		DLIBZ24 PCL12S	8-lamp clear polycarbonate lens, 0.125" ^{24, 25}				

Notes

- Lamps installed are F54T5H0/841 unless otherwise specified
- 5/55°F warranty with open fixtures only.
- Not available with MSE360 option.
- For wireguard in door frame, add "WG" to shielding. Ex: A1212SWG
- Nonstandard configurations may require factory installed BACKPACK™. Consult factory.
- 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.
- Not available with HVOLT.
- Not for use with motion sensors.
- Specify voltage. Consult factory for Canadian applications.
- Not available with 347 voltage

- 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.
- Certified to UL1598 (approx. 1100 lumens at 25°C when using 49W lamps, and 911 lumens at 45°C), Single-lamp operation only. 120 or 277 voltage only.
- Max 2500 lumens when used with 54W T5 lamps up to 55°C ambient temperature (120 or 277 voltage only).
- Must be factory-installed. Not available on TIBZ 16-lamp configurations. Must have "IMP" power cord to power fixture.
- All cord sets are 18/3, 6' white.
- Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.
- One wireguard shipped as separate line item for top installation in field. Not available with IBZPMP.

- Specify voltage
- Other configurations available, see page four for additional options
- nPP16D options utilizes nPP16 and a nLO D KO device, CAT5e connector cable also included. Available 120 or 277V only.
- nMSI option utilizes nPP16 and a nCMB 50, CAT5e cable also include. Available 120 or 277V only.
- nMSI360 option utilizes a nPP16 and a nCMB 6, CAT5e cable also included. Available 120 or 277V only.
- When ordering IBZPMP, two-ballasts configurations are recommended. Ex: 2/2. Not available with tandem units.
- Not available with any battery pack.
- Not available with MSE360 or MSE360LB.
- 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
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		T Low temperature	D	2.5 minutes
	C High mount aisleway	P Switching photocell(on/off)	8 8 VDC	1 1 VDC		X	5 minutes
		M Dimming and switching photocell	7 7 VDC	2 2 VDC		R	7.5 minutes
		G Dimming and switching photocell with high/low occupancy operation		3 3 VDC		U	10 minutes (with minimum 15 minutes on time)
				4 4 VDC		V	15 minutes
				5 5 VDC		W	20 minutes
				6 6 VDC		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

Notes

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

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.

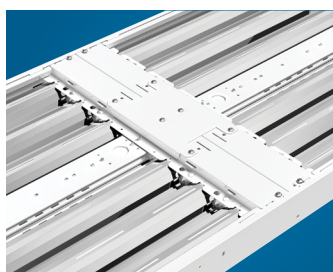


V-SHAPED WIRE GUARD (external)

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 3/4" 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

FEATURES & SPECIFICATIONS

INTENDED USE — The 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. The unique Cool Running Plus™ technology provides industry-leading, trouble-free operation in ambient temperatures up to 155°F (68°C). Applications include manufacturing, warehousing, commercial and industrial facilities. The IBZ fixture performs well at mounting heights from 15'-40'. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate 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. The easy-access ballast channel houses the proprietary Cool Running Plus technology, which is the most advanced fluorescent ballast technology available for fluorescent high bay lighting. It has independent lamp operation to reduce lamp maintenance costs, is fast-starting to improve occupancy sensing, and a proprietary thermal-sensing processor that allows for reliable operation in environments where ambient temperatures can reach up to 155°F (68°C).

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. Lamp holders (sockets) are manufactured from PBT (polybutylene terephthalate) material for increased chemical resistance along with secure positioning rotating collars and 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 EL 14 or cord set 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. To maintain high ambient listing, fixture should be mounted at a minimum plenum height of 8".

LISTINGS — CSA Certified to U.S. and Canadian safety standards (UL1598 and CSA 250.0-08) for 55°C and 40°C lensed. Suitable for damp locations.

WARRANTY — 1-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. Specifications subject to change without notice.

Catalog Number
Notes
Type

T-BEAM® IBZ
FLUORESCENT HIGH BAY

Fluorescent High Bay

IBZ

4-, 6- or 8-lamp T5HO

Patent Pending

COOL RUNNING
TECHNOLOGY

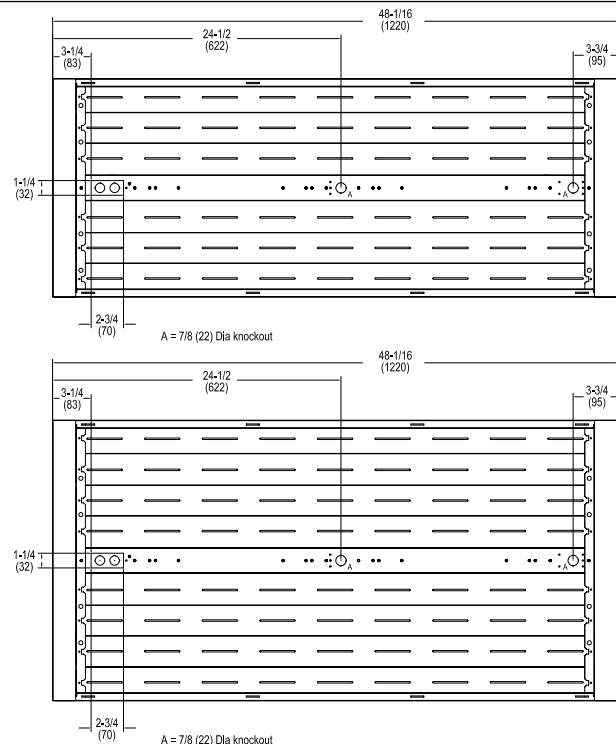
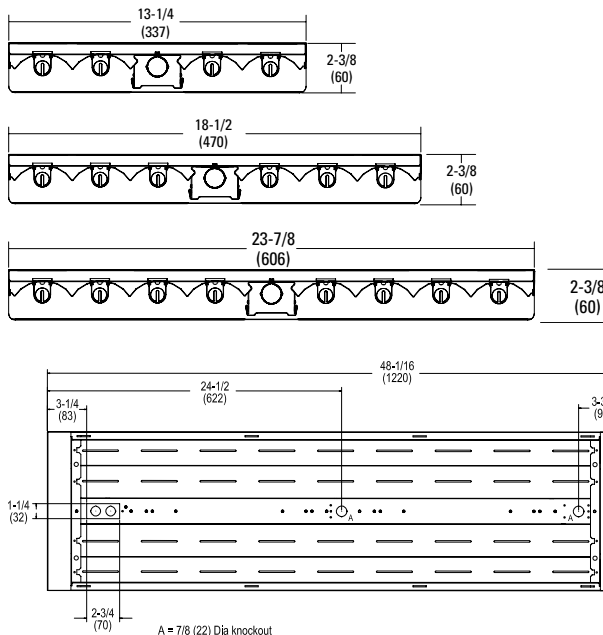


SPECIFICATIONS				
	Length	Width	Depth	Weight
4-lamp	48-1/16 (1221)	13-1/4 (337)	2-3/8 (60)	16 lbs. (7.3 kg)
6-lamp	48-1/16 (1221)	18-1/8 (460)	2-3/8 (60)	20 lbs (9.1 kg)
8-lamp	48-1/16 (1221)	23-7/8 (606)	2-3/8 (60)	25 lbs. (11.3 kg)

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

DIMENSIONS

Dimensions may vary with options or accessories.



IBZ Fluorescent High Bay, T5H0

Example: IBZ 454L

ORDERING INFORMATION

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

IBZ						
Series	Lamp type	Distribution	Shielding ²	Voltage	Ballast configuration	Ballast ⁶
IBZ <i>For tandem double-length unit, add prefix "T". Ex: TIBZ</i>	<u>Lamps installed ¹</u> 454L 4-lamp 54W T5H0 654L 6-lamp 54W T5H0 854L 8-lamp 54W T5H0 <u>Unlamped</u> 454 4-lamp 54W T5H0 654 6-lamp 54W T5H0 854 8-lamp 54W T5H0	(blank) Narrow distribution, ≤5% uplight NDU Narrow distribution, enhanced uplight, ≤13% uplight WD Wide distribution, ≤5% uplight WDU Wide distribution, enhanced uplight, ≤13% uplight	(blank) No shielding A12125 Pattern 12 acrylic, 0.125" ^{3,4} ACL Clear acrylic, 0.125" ^{3,4} PCL125 Clear polycarbonate, 0.125" ^{3,4} NLWG No lens; wireguard in door frame ³	(blank) MVOLT; 120-277V HVOLT 347V-480V ⁵	(blank) Standard configuration 4-lamp = (1) 4-lamp ballast 6-lamp = (1) 2-lamp and (1) 4-lamp ballast 8-lamp = (2) 4-lamp ballasts	ACRP Cool Running Plus T5 electronic, 1.0 BF, programmed rapid start ⁷ GEB10PS90 T5 electronic, 1.0 BF, programmed rapid start

Lamp color	Options
(blank) F54T5H0/841 LP835 F54T5H0/835 LP850 F54T5H0/850 <u>Amalgam lamps ⁸</u> LP841A F54T5H0/841 LP835A F54T5H0/835 LP850A F54T5H0/850 <u>Energy-saving 49W lamps</u> P841E49 F54T5H0/841 P835E49 F54T5H0/835 P850E49 F54T5H0/850	GLR Internal fast-blow fuse ^{9,10} GMF Internal slow-blow fuse ^{9,10} EL14 Emergency battery pack ^{9,11,12} EL14SD Emergency battery pack w/ self-diagnostics ^{9,11,12} I162 1250 lumens per lamp battery ^{11,12,13} OUTCTR Wiring leads pulled through back center of fixture ³ OCS RELOC® OnePass® 5' installed ⁹ IMP Integrated modular plug ¹⁴ FSP Integral full side panels HBBSIC Chain hanger (pair) HBBS36IC Chain hanger with 36" chain (pair)
	<u>Cord sets:</u> CS1W Straight plug, 120V ^{15,16} CS3W Twist-lock, 120V ^{15,16} CS7W Straight plug, 277V ^{15,16} CS11W Twist-lock, 277V ^{15,16} CS25W Twist-lock, 347V ^{15,16} CS97W Twist-lock, 480V ^{15,16} CS93W 600 SO white cord, no plug (no voltage required) ^{15,16} <u>Wireguards:</u> WGX External wireguard installed 2WGX External wireguard installed on bottom of fixture ¹⁷
	<u>Motion sensors:</u> LCOZU Aisle motion sensor, pre-wired ^{18,19} LCHOSZU Aisle motion sensor, pre-wired; programmable dimming ^{18,19} LCPZU Aisle motion sensor with photocell; pre-wired ^{18,19} LAQZU 360° motion sensor, pre-wired ^{18,19} LAHOSZU 360° motion sensor, pre-wired; programmable dimming (only available with programmable dimming ballasts) ^{18,19} LAPZU 360° motion sensor with photocell, pre-wired ^{17,18} MSE360 360° motion sensor, embedded, high bay ^{18,19} MSE360LB 360° motion sensor, embedded, low bay ^{18,19} nPP16D nLight switching/dimming module ²⁰ nMSI nLight, aisle motion sensor, pre-wired ²¹ nMSI360 nLight, 360° motion sensor, pre-wired ²²

Accessories: Order as separate catalog number.			
<u>Mounting:</u> IBAC120 M20 Aircraft cable 10' with hook (one pair) IBAC240 M20 Aircraft cable 20' with hook (one pair) IBHMP Hook monopoint IBZACVH Aircraft 10' V hanger (one pair) IBZTFC Tandem coupler and side panel IBZPMP Pendant monopoint splice box, includes side covers ²³ IBZPMPHB Pendant monopoint splice box, includes side covers (3/4" hub) ²³ HBBS36 Chain hanger, 36" (one pair) IBZSMB Surface-mounting bracket (one pair)	<u>Field-installable door and lens assemblies:</u> ^{24,25} DLIBZ14 A12125 4-lamp pattern 12 acrylic lens, 0.125" ^{24,25} DLIBZ14 ACL 4-lamp clear acrylic lens ^{24,25} DLIBZ14 PCL125 4-lamp clear polycarbonate lens, 0.125" ^{24,25} DLIBZ19 A12125 6-lamp pattern 12 acrylic lens, 0.125" ^{24,25} DLIBZ19 ACL 6-lamp clear acrylic lens ^{24,25} DLIBZ19 PCL125 6-lamp clear polycarbonate lens, 0.125" ^{24,25} DLIBZ24 ACL 8-lamp clear acrylic lens ^{24,25} DLIBZ24 PCL125 8-lamp clear polycarbonate lens, 0.125" ^{24,25}	<u>Cord sets and sensors for IMP option:</u> CS1WIMP Straight plug, 120V ^{9,15,16} CS3WIMP Twist-lock, 120V ^{9,15,16} CS7WIMP Straight plug, 277V ^{9,15,16} CS11WIMP Twist-lock, 277V ^{9,15,16} CS25WIMP Twist-lock 347V CS93WIMP 600V SO white cord, no plug (no voltage required) ¹⁵ CS97WIMP Twist-lock 480V MSIIMP Aisle sensor ^{9,26} MSI360IMP 360° sensor ^{9,26}	<u>Wireguards:</u> WGIBZ14 Standard 4-lamp wireguard WGIBZ19 Standard 6-lamp wireguard WGIBZ24 Standard 8-lamp wireguard

Notes

- Lamps installed are F54T5H0/841 unless otherwise specified
- 5/55°F warranty with open fixtures only.
- Not available with MSE360 option.
- For wireguard in door frame, add "WG" to shielding. Ex: A12125WG
- Nonstandard configurations may require factory installed BACKPACK™. Consult factory.
- 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.
- Not available with HVOLT.
- Not for use with motion sensors.
- Specify voltage. Consult factory for Canadian applications.
- Not available with 347 voltage

- 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.
- Certified to UL1598 (approx. 1100 lumens at 25°C when using 49W lamps, and 911 lumens at 45°C), Single-lamp operation only. 120 or 277 voltage only.
- Max 2500 lumens when used with 54W T5 lamps up to 55°C ambient temperature (120 or 277 voltage only).
- Must be factory-installed. Not available on TIBZ 16-lamp configurations. Must have "IMP" power cord to power fixture.
- All cord sets are 18/3, 6' white.
- Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.
- One wireguard shipped as separate line item for top installation in field. Not available with IBZPMP.

- Specify voltage
- Other configurations available, see page four for additional options
- nPP16D options utilizes nPP16 and a nLO D KO device, CAT5e connector cable also included. Available 120 or 277V only.
- nMSI option utilizes nPP16 and a nCMB 50, CAT5e cable also include. Available 120 or 277V only.
- nMSI360 option utilizes a nPP16 and a nCMB 6, CAT5e cable also included. Available 120 or 277V only.
- When ordering IBZPMP, two-ballasts configurations are recommended. Ex: 2/2. Not available with tandem units.
- Not available with any battery pack.
- Not available with MSE360 or MSE360LB.
- 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°	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		T Low temperature	D	2.5 minutes
	C High mount aisleway	P Switching photocell(on/off)	8 8 VDC	1 1 VDC		X	5 minutes
		M Dimming and switching photocell	7 7 VDC	2 2 VDC		R	7.5 minutes
		G Dimming and switching photocell with high/low occupancy operation		3 3 VDC		U	10 minutes (with minimum 15 minutes on time)
				4 4 VDC		V	15 minutes
				5 5 VDC		W	20 minutes
				6 6 VDC		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

Notes

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

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.

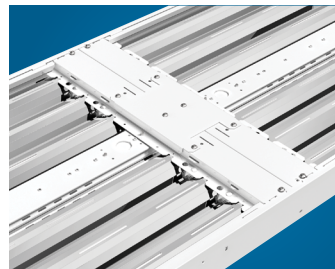


V-SHAPED WIRE GUARD (external)

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 3/4" 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