

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal one-for-one replacement of conventional high bay systems such as HID and fluorescent. Applications include warehousing, manufacturing and other large indoor spaces with mounting heights up to 60'. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

CONSTRUCTION — Die-formed aluminum alloy chassis with integrated fins for superior cooling through natural convection. The channel is made of heavy-duty code gauge (20-gauge) steel which is powder coated after fabrication. The assembly is rigidly designed to resist twisting and bowing. Access plate on the back of the channel housing allows quick and easy wiring.

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. Semi-diffuse lens optional to provide glare control and LED protection.

ELECTRICAL — 89% lumen maintenance at 60,000 hours; predicted life of more than 100,000 hours. Thermally protected driver standard with 0-10V dimming.

LISTINGS — CSA Certified to U.S. and Canadian safety standards. Damp location listed. Suitable for ambient temperatures from -40°F (-40°C) to 131°F (55°C). Patent pending.

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.

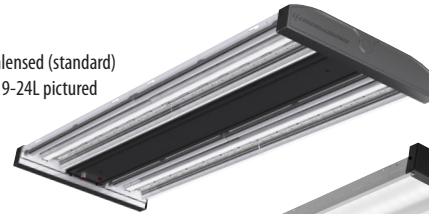
Catalog Number
Notes
Type



LED High Bay

IBL

Unlensed (standard)
9-24L pictured



Patent Pending



Lensed (optional)
36-48L pictured



ORDERING INFORMATION

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

Example: IBL 18L WD LP740 DLC

IBL	Lumens		Distribution		Lens		Voltage		Color temperature ²	
IBL	9L	9,000 lumens	24L	24,000 lumens	WD	Wide	(blank)	NOVOLT; 120-277V	LP740 DLC	70 CRI, 4000K CCT
	12L	12,000 lumens	36L	36,000 lumens ¹	ND	Narrow	SD125	HVOLT 347V-480V	LP750 DLC	70 CRI, 5000K CCT
	18L	18,000 lumens	48L	48,000 lumens ¹				120 120V	LP740	70 CRI, 4000K CCT
								277 277V	LP750	70 CRI, 5000K CCT
Options										Finish
GLR	Internal fast-blow fuse ^{3,4}		Cord sets: ⁹		Motion sensors:					
OUTCTR	Wiring leads pulled through back center of fixture		CS1W	Straight plug, 120V ¹⁰	MSE360	360° motion sensor embedded, high bay ^{11,12}			(blank)	Gloss white with textured dark gray accents
OCS	RELOC® OnePass® 5' installed ³		CS3W	Twist-lock, 120V ¹⁰	MSE360LB	360° motion sensor embedded, low bay ^{11,12}			DWH	Gloss white
IMP	Integrated modular plug ^{5,6}		CS7W	Straight plug, 277V ¹⁰	MSIPED	Aisle motion sensor, photo sensor, pre-wired ³				
I2412	IOTA emergency LED battery pack for 32°F to 104°F (0°C to 40°C) ambient ^{7,8}		CS11W	Twist-lock, 277V ¹⁰	MSI360PED	360° motion sensor, photo sensor, pre-wired ³				
SPD	Surge protector ³		CS25W	Twist-lock, 347V ¹⁰	MSI	Aisle motion sensor, pre-wired ³				
WGX	Standard wire guard, installed		CS97W	Twist-lock, 480V ¹⁰	MSI360	360° motion sensor, pre-wired ³				
			CS93W	600 SO white cord, no plug (no voltage required)	MSID	Aisle motion sensor, pre-wired, HI/LO dimming control ³				
					MSI360D	360° motion sensor, pre-wired, HI/LO dimming control ³				
					NMSI	nLight, aisle motion sensor, pre-wired ³				
					NMSI360	nLight enabled, 360° motion sensor, pre-wired ³				
					nEPP5D	nLight dimming module ^{3,13}				

Accessories: Order as separate catalog number.

Mounting:		Cord sets and sensors for IMP option:		Field-installable door and lens assemblies:	
IBAC120 M20	Aircraft cable 10' with hook (one pair)	CS1WIMP	Straight plug, 120V ^{9,10,15}	DLIBL SD125	Semi-diffuse acrylic lens for use 9L - 24L
IBAC240 M20	Aircraft cable 20' with hook (one pair)	CS3WIMP	Twist-lock, 120V ^{9,10,15}	DLIBL48 SD125	Semi-diffuse acrylic lens for use with 36L and 48L
IBHMP	Hook monopoint	CS7WIMP	Straight plug, 277V ^{9,10,15}	Wire guards:	
ZACVH	Aircraft 10' V hanger (one pair) ⁸	CS11WIMP	Twist-lock, 277V ^{9,10,15}	WGIBL	Wire guard for use with 9L - 24L
IBLPMP	Pendant monopoint splice box, includes side covers for use with 9L-24L	CS25WIMP	Twist-lock 347V ^{9,10,15}	WGIBL48	Wire guard for use with 36L and 48L
IBLPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) for use with 9L-24L.	CS93WIMP	600V SO white cord, no plug (no voltage required) ^{9,15}		
IBLPMP48	Pendant monopoint splice box, includes side covers for use with 36L and 48L	CS97WIMP	Twist-lock 480V ^{9,10,15}		
IBLPMPHB48	Pendant monopoint splice box, includes side covers (3/4" hub) for use with 36L and 48L	MSIIMP	Aisle sensor ^{6,15}		
HC36	Hanger chain, 36" ¹⁸	MSI360IMP	360° sensor ^{6,15}		
THUN	Tong hanger bracket (one pair) ^{8,14}				

See footnotes on page 2.

IBL LED High Bay

Notes

- 1 Fixtures more than 24" wide can interfere with the operation of some fire sprinkler systems. Verify specific installation requirements with local fire official and insurance carrier. Emergency battery packs are not available with 36L or 48L.
- 2 Select product configurations are Design Lights Consortium (DLC) qualified; does not apply to 9L packages or 12 ND SD125 LP740 configuration.
- 3 Specify voltage.
- 4 Not available with 347 voltage.
- 5 Must be factory-installed.
- 6 Must have "IMP" power cord to power fixture.
- 7 Must specify voltage. 120V or 277V only. Not available with cordset w/plug or OUTCTR option.
- 8 Not available with 36L or 48L lumen package. When using THUN option maximum ambient temperature is 35°C.
- 9 All cord sets are 18/3, 6', white.
- 10 Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.
- 11 Specify voltage; 120, 277 or 347 only.
- 12 Not available with battery pack.
- 13 Consult factory for dimming of 208, 347 or 480V fixtures.
- 14 95°F (35°C) maximum ambient temperature when using the THUN.
- 15 Must have IMP option on fixture.



9L, 18L, and 36L lumen packages

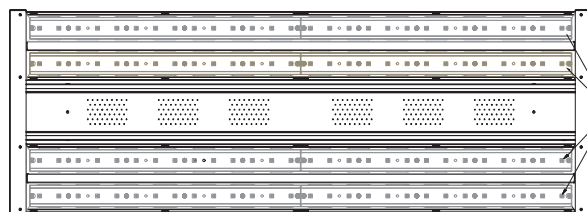


12L, 24L, and 48L lumen packages

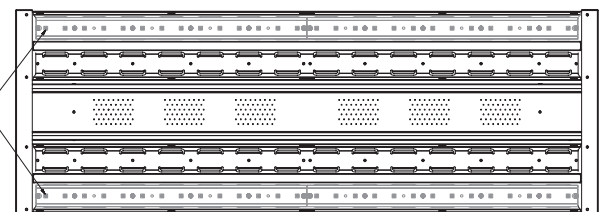
To create the 9L, 18L, and 36L lumen packages, the PCBA (LED board) is depopulated from the endcaps inward. The first LED is 5-1/2" from the end cap on those units, compared to 1-1/8" on the 12L, 24L, and 48L product.

DIMENSIONS

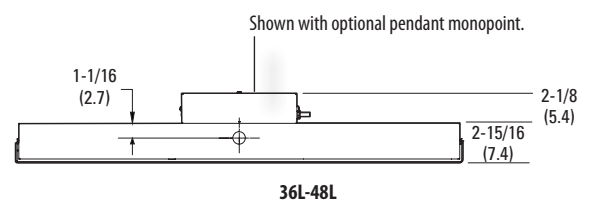
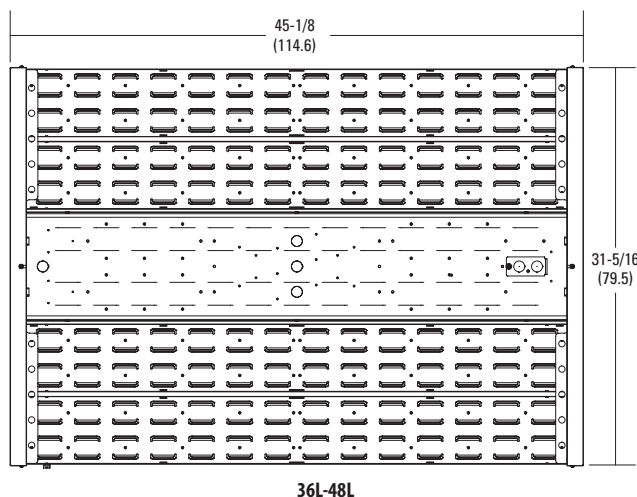
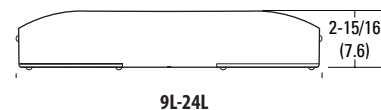
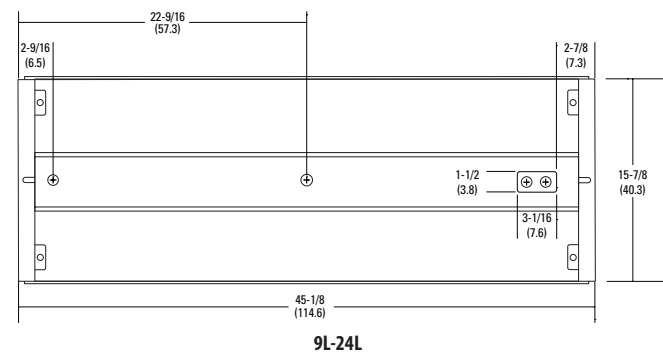
Dimensions may vary with options or accessories.



18L, and 24L utilize two drivers wired inboard/outboard
36L and 48L (*not shown*) utilize four drivers wired inboard/outboard



9L and 12L utilize one driver



OPERATIONAL DATA

Lumen Package	Ambient Rating (120V - 277V)	Ambient Rating (347V / 480V)	Distribution	Delivered Lumens 5000K CCT @ 77°F (25°C) Ambient Temperature	Delivered Lumens 4000K CCT @ 77°F (25°C) Ambient Temperature	Lumen Multiplier @ 104°F (40°C) Ambient Temperature	Lumen Multiplier @ 104°F (40°C) Ambient w/SD125 Lens Kit
9L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	10,039	9,794	0.98	0.901
			ND	8,888	8,671	0.98	0.950
12L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	13,055	11,702	0.98	0.901
			ND	11,558	10,360	0.98	0.950
18L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	19,893	19,406	0.98	0.901
			ND	17,612	17,181	0.98	0.950
24L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	24,052	23,463	0.98	0.901
			ND	21,294	20,772	0.98	0.950
36L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	36,805	36,480	0.98	0.901
			ND	35,599	35,284	0.98	0.950
48L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	46,856	46,443	0.98	0.901
			ND	45,320	44,920	0.98	0.950

CHARACTERISTICS

Lumen Package	Wattage				Length	Width	Depth	Weight without Lens (Lens kit adds approx. 7 lbs.)	Comparable Light Source
	120V	277V	347V	480V	Dimensions are shown in inches (centimeters) unless otherwise noted.				
9L	103	98	107	106	45 (114.3)	15-3/4 (40.0)	3-1/4 (8.3)	12.5 lbs. (5.7 kg)	2-lamp T5HO
12L	134	131	142	141	45 (114.3)	15-3/4 (40.0)	3-1/4 (8.3)	12.5 lbs. (5.7 kg)	4-lamp T8, 250W HID
18L	213	199	213	211	45 (114.3)	15-3/4 (40.0)	3-1/4 (8.3)	17.5 lbs. (7.9 kg)	4-lamp T5HO, 6-lamp T8, 400W HID
24L	262	258	284	281	45 (114.3)	15-3/4 (40.0)	3-1/4 (8.3)	17.5 lbs. (7.9 kg)	6-lamp T5HO, 8-lamp T8
36L	423	417	459	454	45 (114.3)	31-1/3 (79.5)	3-1/4 (8.3)	35 lbs. (15.9 kg)	8-lamp T5HO, 750 HID
48L	531	511	562	557	45 (114.3)	31-1/3 (79.5)	3-1/4 (8.3)	35 lbs. (15.9 kg)	10-lamp T5HO, 1000W HID

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	0.95	0.94	0.93	0.91	0.89	0.87	0.84

LUMENS VS. AMBIENT TEMPERATURE

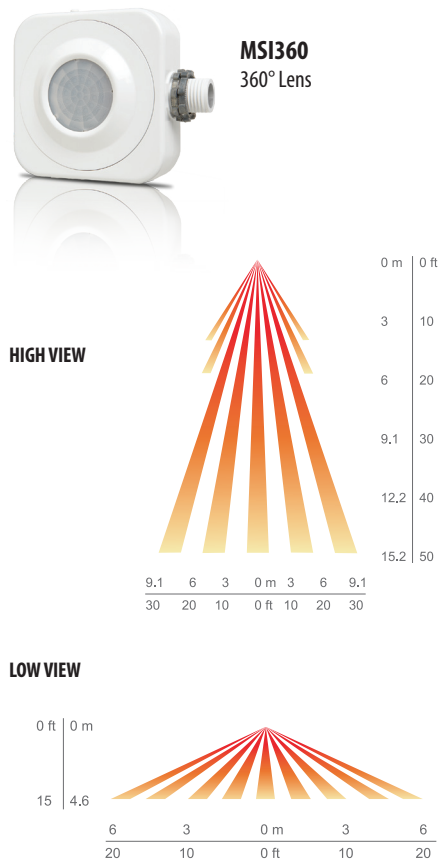
Ambient °C	Ambient °F	Lumen Multiplier
0	32	1.02
5	41	1.015
10	50	1.01
15	59	1.008
20	68	1.005
25	77	1
30	86	0.995
35	95	0.985
40	104	0.98
45	113	0.97
50	122	0.965
55	131	0.96

PHOTOMETRICS

See www.lithonia.com.

SENSORS AND CONTROLS

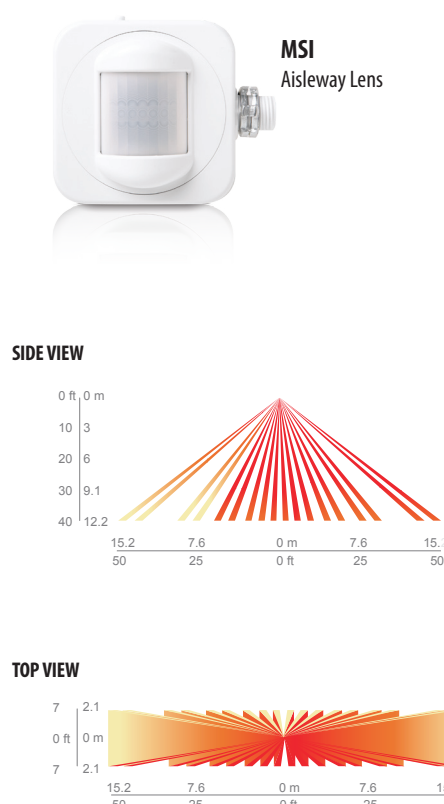
Sensors are an excellent way to maximize the return on your high bay lighting investment. I-BEAM LED fixtures can be equipped with an occupancy sensor, photocell, nLight® or nWiFi™. These devices are factory-installed and require minimal labor to set up during fixture installation.



MSI360: The Sensor Switch CMRB 6 open-area sensor has 360° coverage and can be integrated with a photocell (PE) for further energy savings.

Mounting Location: End Plate

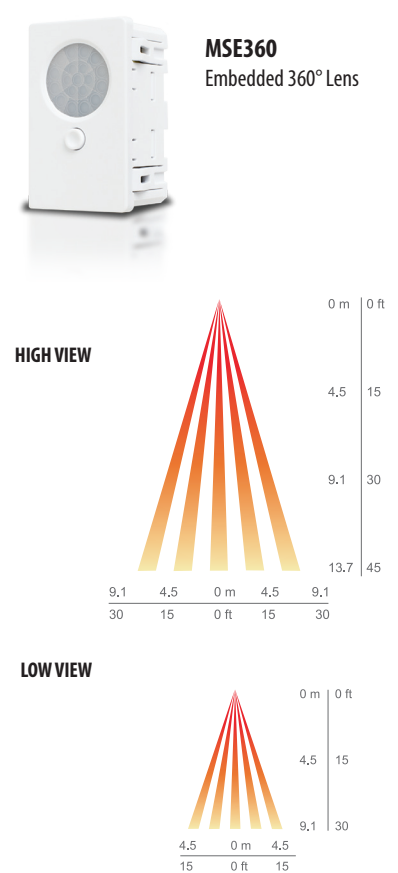
- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture



MSI: The Sensor Switch CMRB 50 aisleway sensor offers a dedicated sensor and extended range, compared to competitive products.

Mounting Location: End Plate

- Provides 50° bi-directional and 10° wide coverage pattern
- 1.2x mounting height equals approximate detection range in either direction
- Sensor lens turret rotates 90° in order to easily adjust the direction of the view pattern



MSE360: The Sensor Switch SFR 5 open-area sensor is embedded in the fixture, making it less intrusive than traditional sensors.

Mounting Location: Center Channel

- Recommended for fixtures that have a 1.0 spacing-to-mounting height ratio or less
- Use provided masking kit to mask off a portion of the view pattern for end-of-aisle applications or, to trim sensor's side viewing to create a rectangular pattern for center-of-aisle viewing only.



All I-BEAM LED fixtures can be equipped with nLight. nLight is an exclusive and revolutionary system that cost-effectively combines time-based and sensor-based lighting controls. The digital interface allows for quick, easy modifications to time delays, photocell sensitivity and light levels at the individual fixture level.

nWiFi for nLight adds conventional WiFi technology to nLight devices, such as occupancy sensors and relays, enabling them to seamlessly communicate with both wired and wireless nLight lighting control zones. This powerful new nLight technology further simplifies installation and reduces hardware costs.

OPTIONS AND ACCESSORIES

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



REFLECTORS

Wide distribution is formed with 93% reflective white paint. Narrow distribution is formed with Alanod® MIRO®.



INTEGRATED ELECTRICAL OPTIONS

Channel sized to accept emergency components, surge protector, fusing and embedded sensors.



WIRE GUARD (external)

Field- or factory-installed. Protects light engine from impact. Mounting hardware included.

Factory-installed option:
WGX

Field-installed options:
WGIBL
WGIBL48



DIFFUSER

Field- or factory-installed. Available in semi-diffuse acrylic. Mounting hardware included.

Factory-installed option:
SD125

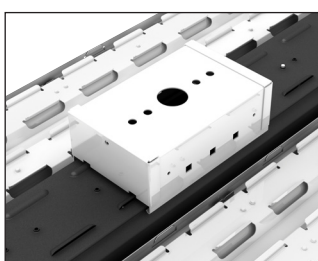
Field-installed option:
DLIBL SD125
DLIBL48 SD125



EMBEDDED OCCUPANCY SENSOR

Can be placed in the channel cover which reduces the risk of sensor damage compared to non-embedded sensors.

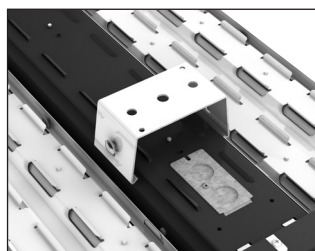
Factory-installed option:
MSE360



PENDANT MONOPOINT BRACKET

Accepts 3/4" rigid conduit for single-point mounting. The bracket can be adjusted to help counterbalance fixture to offset weight variance from end to end.

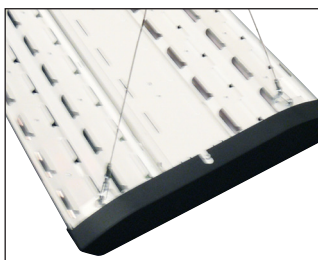
Order as:
IBLPMP
IBLPMPHB
IBLPMP48
IBLPMPHB48



SURFACE MOUNT BRACKET

Rigidly attach I-BEAM LED to a hard ceiling. Can be placed anywhere along fixture.

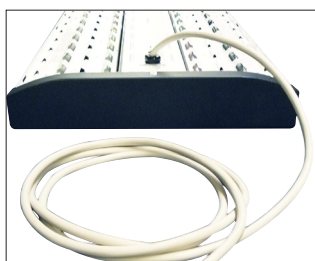
Order as:
THUN (not for use in ambient temperatures exceeding 95°F (35°C), or on the 36L or 48L)



HANGERS

Several lengths of aircraft cables and chains available; with or without V-hooks.

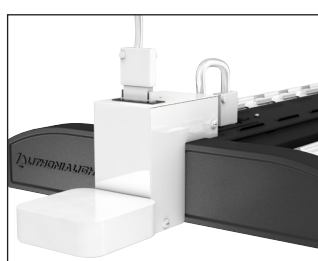
Order as:
IBAC120 M20
IBHMP
For others, see accessories on page 1.



CORD SETS

Available in several lengths with or without molded plug. White is standard.

For available options, see ordering information on page 1.



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 X-point™ relays.