

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Ideal one-for-one replacement of conventional HID and fluorescent high bay systems. Applications include warehousing, manufacturing, gymnasiums, 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** — Lightweight aluminum heat sink designed to perform in ambient temperatures up to 55 °C with lumen droop less than fluorescent due to precision thermal engineering for maximum naturally convective cooling. Structural elements such as the channel and end caps are fabricated from steel for maximum rigidity. Hard-tooled reflectors, utilizing reflective Alanod® MIRO-5° aluminum, for precise and repeatable photometry. Semi-diffuse lens optional to provide glare control – may be inverted for gloss or matte side down. Wireguard attachment points provided.

**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** — L95 at 60,000 hours (only 5% loss) with a predicted life of more than 100,000 hours. Utilizes a 90°C case temperature driver for maximum life at high temperatures. 0.90 power factor and 3.0 kV surge protection is standard. Available as 120-277V or 347-480V input.

0-10V dimming standard for a dimming range of 100% to 10%; dimming source current is 150 microA.

**LISTINGS** — CSA certified to US and Canadian safety standards. Damp location listed. Suitable for ambient temperatures from -40°F (-40°C) to 131°F (55°C) when suspended 24" from ceiling. Patent pending. Design-Lights 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/OPL](http://www.designlights.org/OPL) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://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.



Unlensed (standard)  
9-24L pictured



Lensed (optional)  
36-48L pictured

LED High Bay

**IBL**

Patent Pending



### ORDERING INFORMATION

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

Example: IBL 18L WD LP740 DLC

IBL Series	Lumens		Distribution		Lens		Voltage		Color temperature			
IBL	9L	9,000 lumens	24L	24,000 lumens	WD	Wide	(blank)	No shielding	(blank)	MVOLT; 120-277V	LP735	70 CRI, 3500K CCT
	12L	12,000 lumens	36L	36,000 lumens <sup>1</sup>	ND	Narrow	SD125	Semi-diffuse acrylic	HVOLT	347V-480V	LP740 DLC	70 CRI, 4000K CCT
	18L	18,000 lumens	48L	48,000 lumens <sup>1</sup>					120	120V	LP750 DLC	70 CRI, 5000K CCT
								277	277V		LP835	80 CRI, 3500K CCT
											LP840	80CRI, 4000K CCT
											LP850	80 CRI, 5000K CCT

Options				Finish		
GLR	Internal fast-blow fuse <sup>2,3</sup>	<b>Cord sets:</b> <sup>8</sup>		<b>Controls:</b>	(blank)	Gloss white with textured dark gray accents
OUTCTR	Wiring leads pulled through back center of fixture	CS1W	Straight plug, 120V <sup>9</sup>	LCOZU	Aisle motion sensor, pre-wired <sup>2,10,11</sup>	DWH
OCS	RELOC® OnePass® 5' installed <sup>2</sup>	CS3W	Twist-lock, 120V <sup>9</sup>	LCHOSZU	Aisle motion sensor, pre-wired; programmable dimming <sup>2,10,11</sup>	
IMP	Integrated modular plug <sup>4,5</sup>	CS7W	Straight plug, 277V <sup>9</sup>	LCPZU	Aisle motion sensor with photocell; pre-wired <sup>2,10,11</sup>	
RRL	RELOC®-ready luminaire. See page 5 for ordering information <sup>6</sup>	CS11W	Twist-lock, 277V <sup>9</sup>	LAOZU	360° motion sensor, pre-wired <sup>2,10,11</sup>	
I2412	IOTA emergency LED battery pack for 32°F to 104°F (0°C to 40°C) ambient <sup>2,7</sup>	CS25W	Twist-lock, 347V <sup>9</sup>	LAHOSZU	360° motion sensor, pre-wired; programmable dimming <sup>2,10,11</sup>	
SPD	Surge protector <sup>2</sup>	CS97W	Twist-lock, 480V <sup>9</sup>	LAPZU	360° motion sensor with photocell, pre-wired <sup>2,10,11</sup>	
WGX	Standard wire guard, installed	CS93W	600 50 white cord, no plug (no voltage required)	MSE360	360° motion sensor, embedded, high bay <sup>2,11,12</sup>	
				MSE360LB	360° motion sensor, embedded, low bay <sup>2,11,12</sup>	
				nPP16D	nLight® switching/dimming module <sup>2,11,13</sup>	
				nMSI	nLight®, aisle motion sensor, pre-wired <sup>2,11,14</sup>	
				nMSI3	nLight®, 360° motion sensor, pre-wired <sup>2,11,15</sup>	
				60		
				nMSID	nLight®, aisle motion sensor w/dimming, pre-wired <sup>2,11,16</sup>	
				nMSI360D	nLight®, 360° motion sensor w/dimming, pre-wired <sup>2,11,17</sup>	
				XA2	XPoint™ wireless w/dual relay <sup>2</sup>	
				XAD	XPoint™ wireless 0-10V relay <sup>2</sup>	

See footnotes on page 2.

# IBL LED High Bay

**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) <sup>18</sup>
IBLPMP	Pendant monopoint splice box, includes side covers for use with 9L-24L
IBLPMPHB	Pendant monopoint splice box, includes side covers (3/4" hub) for use with 9L-24L
IBLPMP48	Pendant monopoint splice box, includes side covers for use with 36L and 48L
IBLPMPHB48	Pendant monopoint splice box, includes side covers (3/4" hub) for use with 36L and 48L
HC36	Hanger chain, 36" (one pair) <sup>18</sup>
THUN	Tong hanger bracket (order 2 per fixture) <sup>18,19</sup>

**Cord sets and sensors for IMP option:**

CS1WIMP	Straight plug, 120V <sup>8,9,20</sup>
CS3WIMP	Twist-lock, 120V <sup>8,9,20</sup>
CS7WIMP	Straight plug, 277V <sup>8,9,20</sup>
CS11WIMP	Twist-lock, 277V <sup>8,9,20</sup>
CS25WIMP	Twist-lock 347V <sup>8,9,20</sup>
CS93WIMP	600V 50 white cord, no plug (no voltage required) <sup>8,20</sup>
CS97WIMP	Twist-lock 480V <sup>8,9,20</sup>
MSIIMP	Aisle sensor <sup>5,20</sup>
MSI360IMP	360° sensor <sup>5,20</sup>

**Field-installable door and lens assemblies:**

DLIBL SD125	Semi-diffuse acrylic lens for use 9L - 24L
DLIBL48 SD125	Semi-diffuse acrylic lens for use with 36L and 48L

**Wire guards:**

WGIBL	Wire guard for use with 9L - 24L
WGIBL48	Wire guard for use with 36L and 48L

**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 Specify voltage.
- 3 Not available with 347 voltage.
- 4 Must be factory-installed.
- 5 Must have "IMP" power cord to power fixture.
- 6 Requires Reloc RRL compatible cable to power fixture.
- 7 Must specify voltage. 120V or 277V only. Not available with cordset w/plug or OUTCTR option.
- 8 All cord sets are 18/3, 6", white.
- 9 Cord sets are voltage specific. Specify voltage. Other configurations available. Consult factory.
- 10 Other configurations available, see page four for additional options.
- 11 Sensors are rated for 14°F(-10°C) to 122°F(50°C) operation.
- 12 Not available with battery pack. Not field installable.
- 13 Available 120 or 277V only.
- 14 nMSI option utilizes a nPP16 and a nCMB 50, CAT5e cable also included. Available 120 or 277V only.
- 15 nMSI360 option utilizes a nPP16 and a nCMB 6, CAT5e cable also included. Available 120 or 277V only.
- 16 nMSID option utilizes a nPP16 and a nCMB 50, CAT5e cable also included. Available 120 or 277V only.
- 17 nMSI360D option utilizes a nPP16 and a nCMB 6, CAT5e cable also included. Available 120 or 277V only.
- 18 Not recommended for use with 36L or 48L.
- 19 95°F (35°C) maximum ambient temperature when using the THUN.
- 20 Must have IMP option on fixture.



9L, 18L, and 36L lumen packages

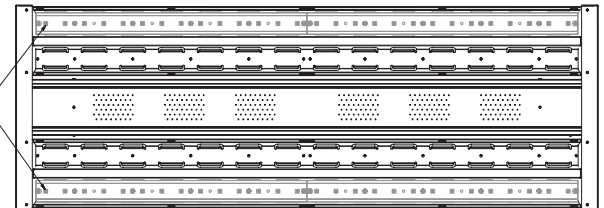
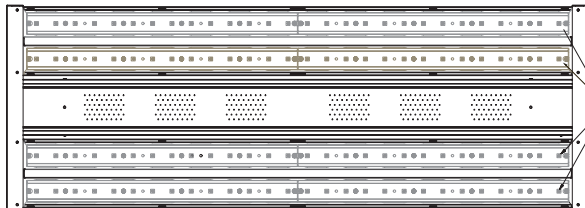


12L, 24L, and 48L lumen packages

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

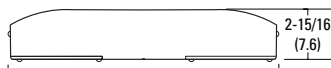
Dimensions may vary with options or accessories.



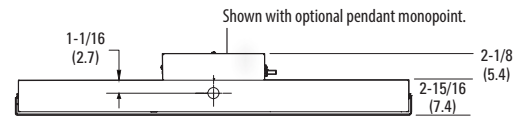
36L AND 48L (NOT SHOWN) HAVE 8 ROWS OF LEDs

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

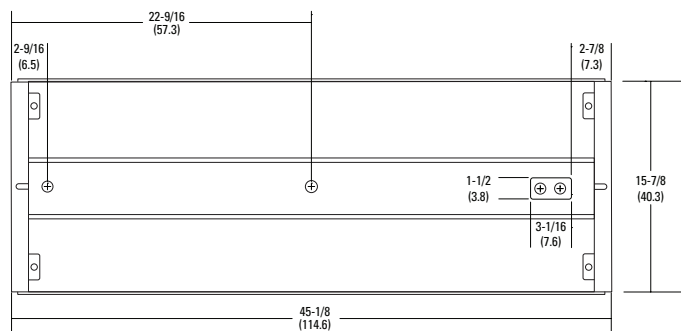
9L and 12L utilize one driver



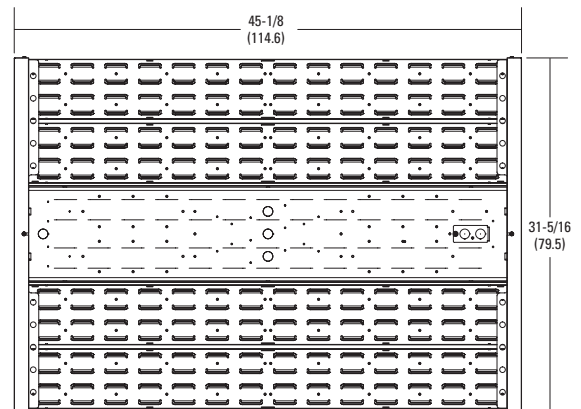
9L-24L



36L-48L



9L-24L



36L-48L

## 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	10,308	10,263	0.98	0.846
			ND	10,070	10,027	0.98	0.924
12L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	12,906	12,850	0.98	0.846
			ND	12,609	12,554	0.98	0.924
18L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	20,355	20,267	0.98	0.846
			ND	19,886	19,800	0.98	0.924
24L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	25,328	25,218	0.98	0.846
			ND	24,744	24,637	0.98	0.924
36L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	40,368	40,193	0.98	0.846
			ND	43,084	42,898	0.98	0.924
48L	-40°F to 131°F (-40°C to 55°C)	-40°F to 104°F (-40°C to 40°C)	WD	50,134	49,916	0.98	0.846
			ND	53,508	53,276	0.98	0.924

## 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	100	95	98	97	45 (114.3)	15-3/4 (40.0)	3-1/4 (8.3)	12.5 lbs. (5.7 kg)	2-lamp T5HO
12L	125	122	126	125	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	197	192	198	197	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	245	241	248	246	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	394	388	400	396	45 (114.3)	31-1/3 (79.5)	3-1/4 (8.3)	35 lbs. (15.9 kg)	8-lamp T5HO, 750 HID
48L	489	471	485	480	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	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.93

## 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](http://www.lithonia.com).