



# LIRON LIGHTING

Proudly Designed and MAde for America

PROJECT: \_\_\_\_\_  
 CATALOG: \_\_\_\_\_  
 FIXTURE TYPE: \_\_\_\_\_  
 NOTES: \_\_\_\_\_

## Eco Linear High Bay (LEDSLHB)



90W



130W, 180W



270W, 300W



### DESCRIPTION

The Eco Linear High Bay is a luminaire designed for a wide variety of applications and mounting height. It offers quality lighting and excellent energy savings compared to linear fluorescent and HID highbay fixture. This fixture is available in five wattage packages of 90W, 130W, 180W, 270W and 300W.

### APPLICATIONS

Industrial, manufacturing, gymnasium, and warehouse applications

### OPTIONAL ACCESSORIES



BL-PIR-INT



S-EMBK8WLV-INT

### PERFORMANCE DATA

WATTAGE	VOLTAGE	CRI	4000K		5000K	
			LUMEN	LPW	LUMEN	LPW
90W	120-277VAC/347-480VAC	80	12000lm	133lm/W	12600lm	140lm/W
130W	120-277VAC/347-480VAC	80	18000lm	138lm/W	18500lm	142lm/W
180W	120-277VAC/347-480VAC	80	24000lm	133lm/W	24500lm	133lm/W
270W	120-277VAC/347-480VAC	80	35500lm	131lm/W	36000lm	133lm/W
300W	120-277VAC/347-480VAC	80	39500lm	132lm/W	40000lm	133lm/W

### ORDERING GUIDE

### EXAMPLE

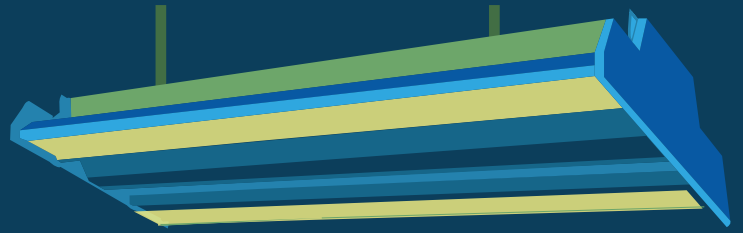
### LEDSLHB 90W 50K

Series	Wattage	CCT	Voltage	Sensor (option)	Backup Battery(option)
LEDSLHB	<input type="checkbox"/> 90W 90 WATT	<input type="checkbox"/> 40K 4000K	<input type="checkbox"/> Blank 110 -270 VAC	<input type="checkbox"/> Blank No Sensor	<input type="checkbox"/> Blank - No Battery
	<input type="checkbox"/> 130W 130WATT	<input type="checkbox"/> 50K 5000K	<input type="checkbox"/> HV 347-480 VAC	<input type="checkbox"/> MS-1 Internal Motion Sensor	<input type="checkbox"/> EB -Emergency Battery
	<input type="checkbox"/> 180W 180 WATT			<input type="checkbox"/> MS-2 External Motion Sensor	
	<input type="checkbox"/> 270W 270 WATT				
	<input type="checkbox"/> 300W 300 WATT				



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## SPECIFICATION

### Housing

Aluminum alloy with white coat finish

### Finish

Standard white polyester powder coat finish painted after assembling to increase durability and prevent corrosion.

### Mounting

Steel wire rope(included), Pendant mount

### Ambient Temperature

Operating temperature is -40°F to 131°F

### Options

Motion Sensor  
Emergency Battery Backup

### Efficacy

Up to 142 lumens per watt

### CRI

>80(CRI)

### Lifespan

50,000 hours LED lifespan

### Lumens

From 12,000 to 40,000 lumens

### CCT

4000K and 5000K available

### Electrical

Voltage 120-277V & 347V-480V 50/60Hz operation;  
0-10V dimming standard.

### Compliance

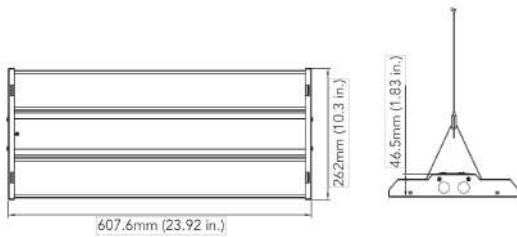
Luminaires are cULus listed for damp locations -20 °C - 40°C. Design Light Consortium® Qualified and classified for DLC Premium, refer to [www.designlights.org](http://www.designlights.org) for details.

### Warranty

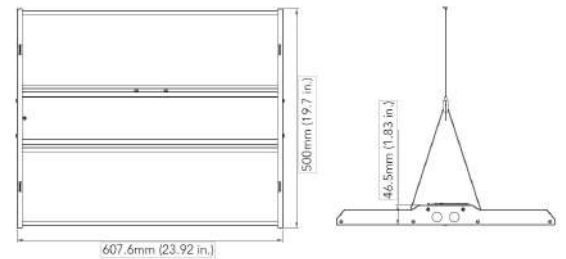
Five year warranty

## DIMENSIONS

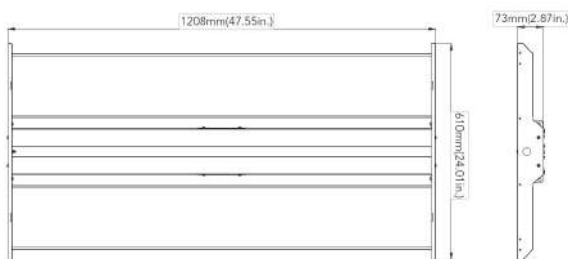
### 90W



### 130W - 180W

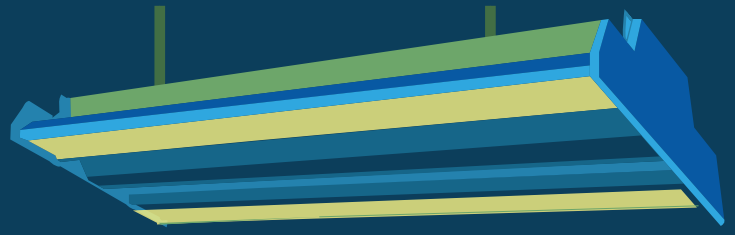


### 270W - 300W

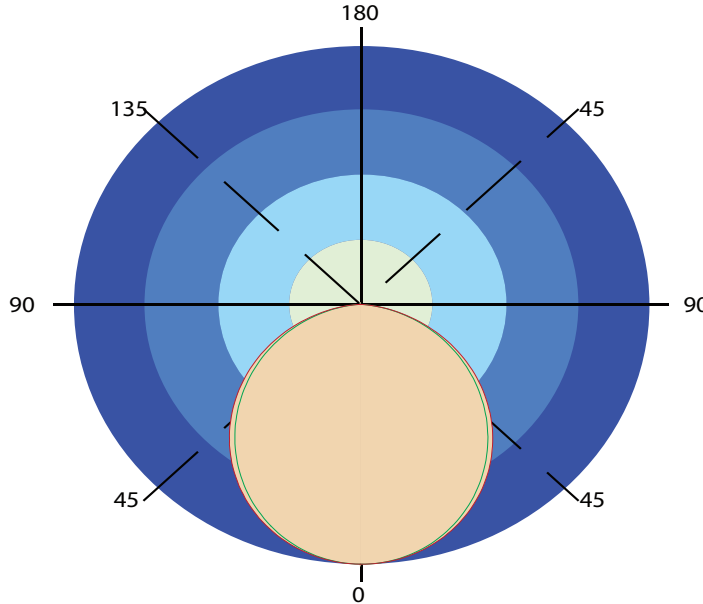




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# PHOTOMETRICS



# OPTIONS

## 1. Motion Sensor



**BL-PIR-EX**



**BL-PIR-INT**

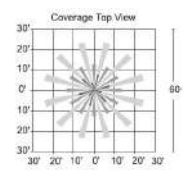
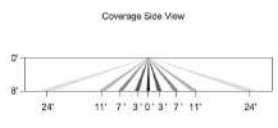
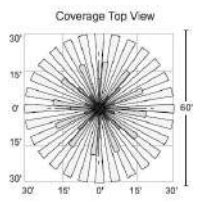
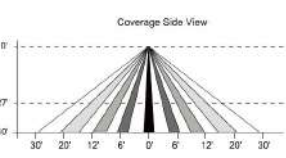
### Description

The BL-PIR is a passive sensor that detects a range of 360 degrees around the fixture using infrared technology in an area with or without obstructions. The sensor provides maximum energy savings by illuminating the fixture when motion is detected and turning it off automatically once motion is no longer detected. All functions are adjustable via a wireless configuration tool.  
(Please see motion sensor spec sheet for more detail)

### How it works

1. When sufficient natural light is present, the fixture will not illuminate when motion is detected.
2. When there is insufficient lighting and motion is detected in a space within range of the sensor, the fixture will illuminate automatically.
3. The light fixture will remain illuminated until the space is unoccupied, and will go into standby mode until motion is detected once again.
4. If the space remains unoccupied for half of the standby period, the fixture will automatically reduce to adjusted light levels.
5. At the end of the standby period, the fixture will turn off automatically until activated once again by motion.

## Coverage



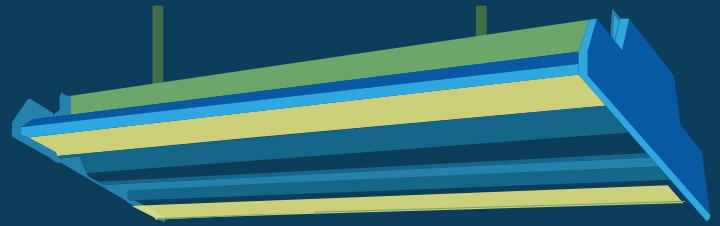
## Performance Data

Voltage	Detect Area	Operating Temp	Mounting Height	Protection Rate
120/277VAC 50/60Hz	360°	-40 -158°F	maximum coverage 60' diameter from 40' height	IP66



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## 2. Emergency battery backup

THE S-EMBK8WLV-INT is a 90 minute emergency battery pack that is integral to the fixture.

SERIES	INPUT VOLTAGE	INPUT CURRENT	INPUT POWER	DISCHARGE TIME	INSTALLATION
S-EMBK8WLV-INT	100-277V	80mA	8W	90MIN	Internal Pre Installed

## 3. Other Optional Accessories

SPMA=Single Point Mount Adapter Kit

FH=Fixture Hook

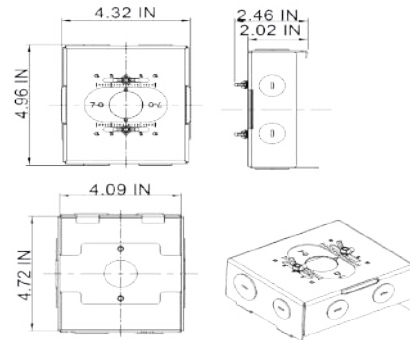
WG=Wireguard

## INSTALLATION

### 1. Chain Mounting Steel Wire Rope (Included)



### 2. Pendant Mount Kit (Optional Field Installed)

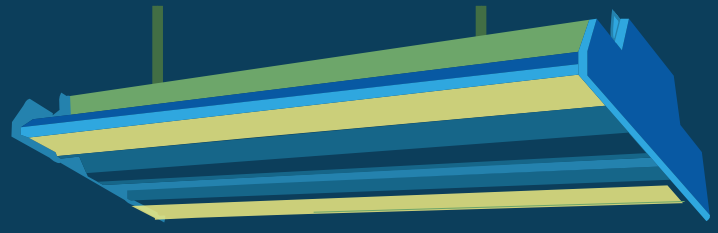


**Housing**  
Advanced thermal management aluminum alloy with white coat finish  
Suitable for pendant mount and Sling mount.

Emergency Battery backup

External Motion Sensor

Internal Motion Sensor



## PERFORMANCE DATA

### Electrical Data

Number of Driver	Wattage	Current(A)					
		120V	208V	240V	277V	347V	480V
1	90W	0.75	0.43	0.38	0.32	0.26	0.19
2	130W	1.08	0.63	0.54	0.47	0.37	0.27
2	180W	1.50	0.87	0.75	0.65	0.52	0.36
4	270W	2.25	1.30	1.13	0.97	0.78	0.56
4	300W	2.50	1.44	1.25	1.08	0.86	0.62

### Lumen Ambient Temperature Multipliers

Temperature	Lumen Multipliers	
0°C	32°F	1.03
5°C	41°F	1.03
10°C	50°F	1.02
15°C	59°F	1.01
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.98
35°C	95°F	0.86
40°C	104°F	0.79

### Performance

Wattage	Lumens	Efficacy	Replaces	Voltage	Max Mounting Height
90W	12000lm	134lm/W	4 Lamp T5HO 32W	120-277V 347-480V	15-25ft
130W	18000lm	134lm/W	4 Lamp T5HO 54W	120-277V 347-480V	20-35ft
180W	24000lm	134lm/W	6 Lamp T5HO 54W	120-277V 347-480V	25-40ft
270W	36000lm	131lm/W	12 Lamp T5HO 54W	120-277V 347-480V	Up to 50ft
300W	39500lm	134lm/W	12 Lamp T5HO 54W	120-277V 347-480V	Up to 50ft

### Projected LED Lumen Maintenance

Operation hours	0	1,000	2,500	50,000	75,000	100,000
Lumen Maintenance	1	0.98	0.95	0.86	0.79	0.72