

# HEAVENLY LINEAR HIGH BAY

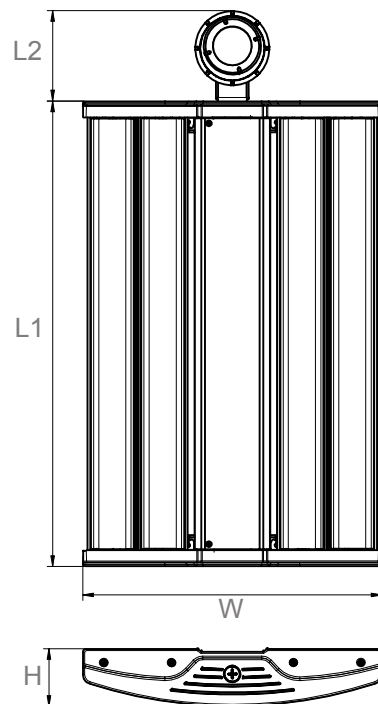


## PRODUCT DESCRIPTION

The HEAVENLY Linear High Bay is an attractive, durable and high efficient solution for a variety of industrial and commercial applications. Ranging from 9,000lm to 60,000lm, it is an ideal replacement for HID and fluorescent high bay. The extruded aluminum construction enables optimal thermal control and longer system life in complex environments such as 65°C ambient temperature. Motion sensor wireless control unit, emergency battery backup are available. Modular design, multiple lens configurations and numerous mounting options allow for precise light positioning putting the light exactly where you need it.

## SPECIFICATION

2FT HLHB (Without MS)	2FT HLHB (With MSO)	4FT HLHB (Without MS)	4FT HLHB (With MSO)
L1: 24"	L1: 24"	L1: 45.5"	L1: 45.5"
W: 16.25"	L2: 4.92"	W: 16.25"	L2: 4.92"
H: 3.15"	W: 16.25"	H: 3.15"	W: 16.25"
	H: 3.15"		H: 3.15"



## Ordering Information

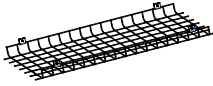
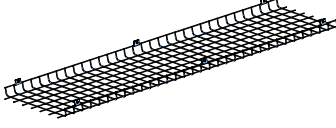
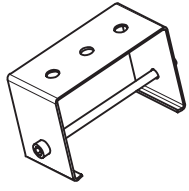
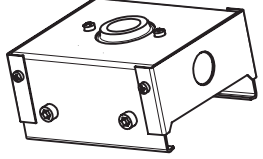


**Example: HLHB02-175501-G-AFL**

Series	Length	Watts	CCT	Voltage	Controls	Distribution	LENS
HLHB	02 - 2FT <sup>1</sup>	65 - 65 Watts	35-3500K	1 - 120V-277V	<b>MS-L7W</b> - Motion Sensor with White L7 Lens <b>MSO</b> - ON/OFF Motion Sensor <b>MSW</b> - Microwave Dimming Sensor <b>EBU</b> - Emergency Battery Backup <sup>3</sup>	<b>G</b> - General <b>N</b> - Narrow <b>M</b> - Medium	<b>AFL</b> - Acrylic Frosted <sup>4</sup>
	04 - 4FT <sup>2</sup>	95 - 95 Watts	40-4000K	3 - 480V			<b>ACL</b> - Acrylic Clear <sup>5</sup>
		135 - 135 Watts	50-5000K	6 - 347/480V			<b>PCL</b> - Clear Polycarbonate
		175 - 175 Watts					
		220 - 220 Watts <sup>6</sup>					
		270 - 270 Watts					
		350 - 350 Watts					
	440 - 440 Watts <sup>7</sup>						

**Notice:**

1. 2FT HLHB is only available from 65W to 220W
2. 4FT HLHB is only available from 220W to 440W
3. Emergency battery backup available in 10W with 1300lm @ 120-277V. For ambient temperatures of 32°F-104°F(0°C-40°C) The emergency test button is pre-installed on fixture
4. Acrylic frosted lens is not available with Narrow and Medium distribution
5. Acrylic clear lens is not available with Narrow and Medium distribution
6. Maximum ambient temperature of 220W 2FT HLHB is 140°F(60°C)
7. Maximum ambient temperature of 440W 4FT HLHB is 140°F(60°C). Sensor is NOT available for 440W

## Accessories

SKU	MODEL	IMAGE	DESCRIPTION
90205	HLHB02-WG		Wire guard for 2ft heavenly linear high bay
90206	HLHB04-WG		Wire guard for 4ft heavenly linear high bay
90207	HLHB-CMK		Channel mounting kits for heavenly linear high bay
90208	HLHB-PMK		Pendant mounting kits for heavenly linear high bay
N/A	V-clip		V-clip mounting kits for heavenly linear high bay <sup>1</sup>
90097	LHB 120V Plug and Cord		120V molded plug and cord for LHB with pipe clamp for strain relief

SKU	MODEL	IMAGE	DESCRIPTION
90098	LHB 277V Plug and Cord		277V molded plug and cord for LHB with pipe clamp for strain relief

Notice:

1. V-clip mounting kits is for standard mounting and shipped together. All the other Accessories need to be ordered separately.

## PERFORMANCE DATA

### LUMEN OUTPUT

Lumen values are estimated with LED data sheet

Series	Watts	Lumen	CCT, Ra	Distribution	Lens	Efficacy	Maximum Ambient
2FT HLHB	65	9100	5000, 80	General	ACL	140	65°C
	95	13300	5000, 80	General	ACL	140	65°C
	135	18900	5000, 80	General	ACL	140	65°C
	175	24500	5000, 80	General	ACL	140	65°C
	220	30360	5000, 80	General	ACL	138	60°C
4FT HLHB	220	30800	5000, 80	General	ACL	140	65°C
	270	37800	5000, 80	General	ACL	140	65°C
	350	49000	5000, 80	General	ACL	140	65°C
	440	60720	5000, 80	General	ACL	138	60°C

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperature from -4-149°F (-20-65°C)

Ambient		Multiplier
Celsius	Fahrenheit	
0	32	1.02
25	77	1.00
40	104	0.98
50	122	0.97
60	140	0.95
65	149	0.94

Lens	Lumen Multiplier
ACL	1
AFL	0.96
PCL	0.98

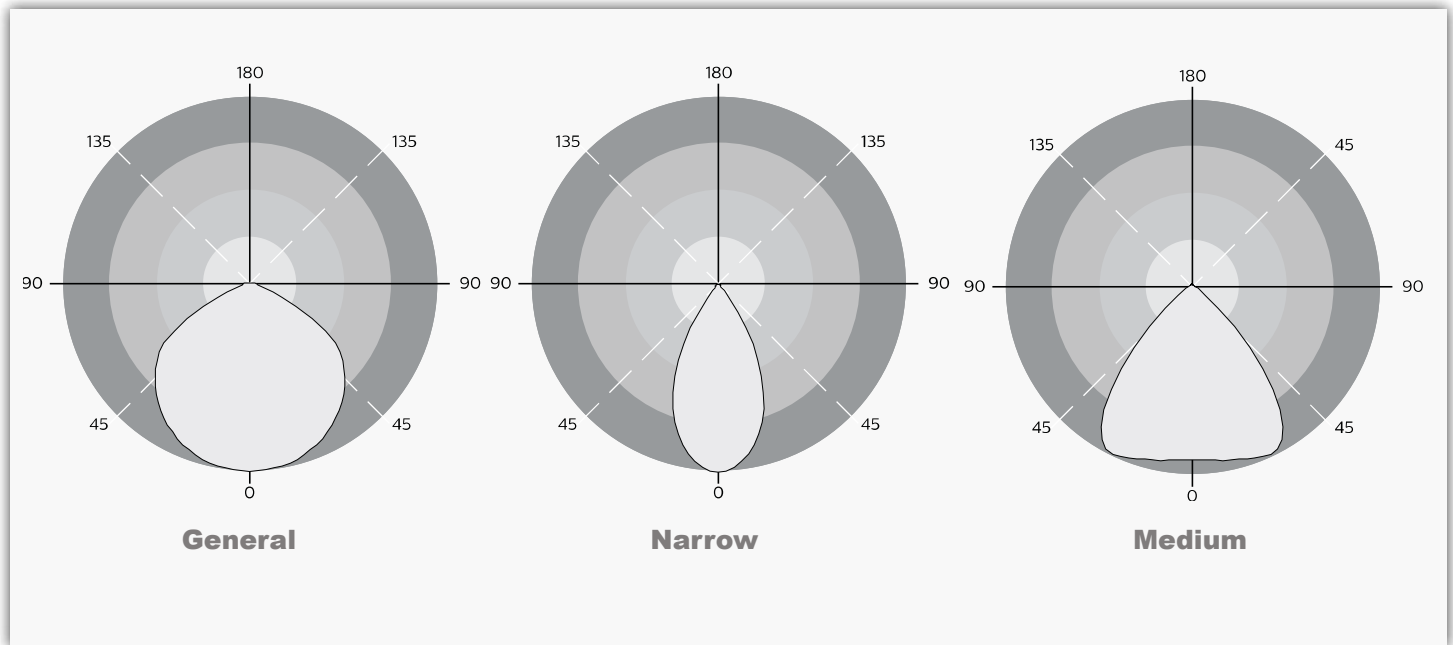
### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the Heavenly Linear High Bay in a 77°F ambient, (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

Operating Hours	10,000H	15,000H	25,000H	90,000H
Lumen Maintenance Factor	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)

**Photometry**

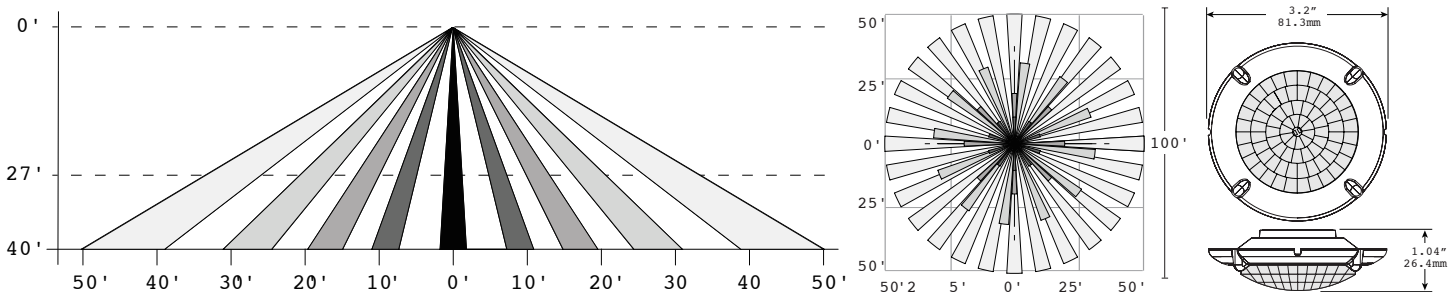
Distribution types for reference only



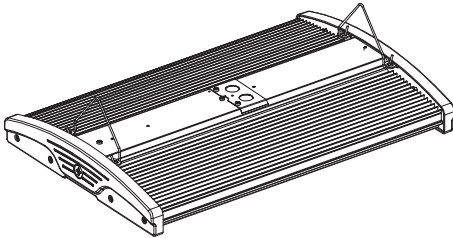
**MOTION SENSOR**

The fixture with motion sensor raises or lowers the electric lighting level to high, low or off based on motion and/or daylight contribution. Typically, once the sensor stops detecting movement and the time delay elapses, lights will first fade to low mode, and eventually switch off. When motion is detected, the sensor ramps the light level to high mode unless the daylight contribution is sufficient. The integral photocell can also switch the lights on and off for dusk to dawn control, so that lighting remains on overnight even without motion detection.

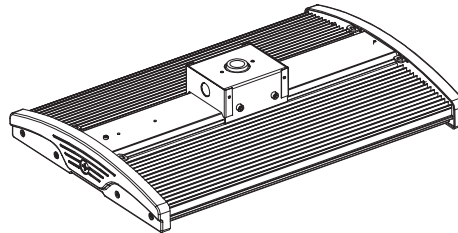
The L7 provides maximum coverage of 100' diameter mounted at 40 feet height. Please see below drawing for lens side and top coverage and dimensionn.



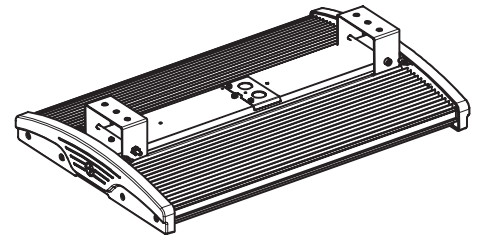
## MOUNTING



**V Hook Mounting**



**Pendant Mounting**



**Channel Mounting**

Ref#: 12954-10727

## PRODUCT SPECIFICATIONS

### ELECTRICAL SYSTEM

- Input Voltage: 120-277V, 347/480V
- 50/60Hz
- 0-10V dimming
- Power Factor: > 0.98 at 120Vac
- Total Harmonic Distortion: < 20%
- Integral 6kV surge suppression protection standard
- Minimum Ambient -20°C, maximum Ambient is 65°C. Please check the maximum ambient table above for details.

### CERTIFICATIONS AND QUALIFICATIONS

- cETLus in process
- Damp location
- DLC Premium in process
- RoHS compliant

### Warranty

Ten year limited warranty. Full warranty terms located at [www.abovealllighting.com/warrantystatements](http://www.abovealllighting.com/warrantystatements)

**Note:** Specifications subject to change without notice.