

HEAVENLY LINEAR HIGH BAY



PRODUCT DESCRIPTION

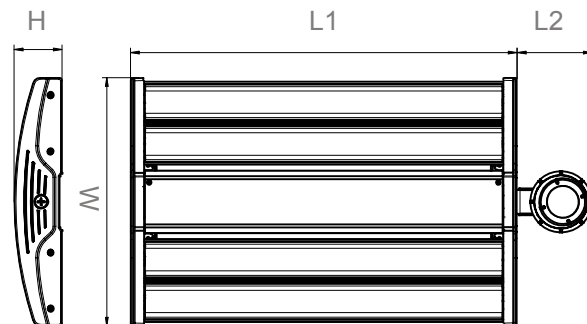
The HEAVENLY Linear High Bay is an attractive, durable and high efficient solution for a variety of industrial and commercial applications. The extruded aluminum construction enables optimal thermal control and longer system life in complex environments such as 65°C ambient temperature. Motion sensor 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.

FEATURES

1. Textured lens options minimizes high glare.
2. Achieves up to 149 °F (65 °C) ambient rating.
3. Performs at up to 180 lm/W.
4. 10kV surge suppression protection optional.

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

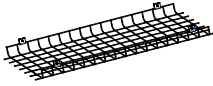
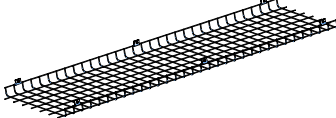
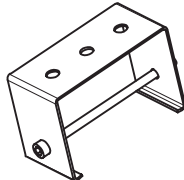
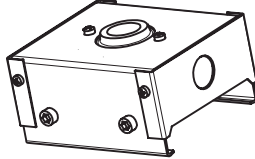


Example: HLHB02-175501-G-AFL


Series	Length	Watts	CCT	Voltage	Controls	Distribution	LENS
HLHB	02 - 2FT ¹	65 - 65 Watts	35-3500K	1 - 120V-277V	MS-L7W - Motion Sensor with White L7 Lens MSO - ON/OFF Motion Sensor MSW - Microwave Dimming Sensor EBU - Emergency Battery Backup ³	G - General N - Narrow M - Medium	Blank - None Can be ordered and shipped separately PCL - Polycarbonate Clear Lens ⁴ AFL - Acrylic Frosted Len ⁵ ACL - Acrylic Clear Lens ⁶
	04 - 4FT ²	95 - 100 Watts	40-4000K	3 - 480V ⁷			
		135 - 135 Watts	50-5000K	6 - 347/480V			
		175 - 175 Watts					
		220 - 210 Watts					
		270 - 270 Watts					
		350 - 350 Watts					

Notice:

1. 2FT HLHB is available from 65W to 210W
2. 4FT HLHB is available from 210W to 350W
3. Emergency battery backup available in 10W with 1800lm @ 120-277V. For ambient temperatures of 32°F-104°F(0°C-40°C) The emergency test button is pre-installed on fixture
4. Polycarbonate clear lens is standard. If for acrylic clear and frosted lens, please contact customer service for lead time firstly
5. Acrylic frosted lens is not available with Narrow and Medium distribution
6. Acrylic clear lens is not available with Narrow and Medium distribution
7. 480V is only for ON/OFF Motion Sensor (MSO)

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 ¹
90097	LHB 120V Plug and Cord		6 feet 120V molded plug and cord for LHB with pipe clamp for strain relief

SKU	MODEL	IMAGE	DESCRIPTION
90098	LHB 277V Plug and Cord		6 feet 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	Nominal Watts	Measured Watts	Lumen	CCT, Ra	Distribution	Lens	Efficacy	Maximum Ambient
2FT HLHB	65	65	11400	5000, 80	General	None	175	65°C
	95	100	17500	5000, 80	General	None	175	65°C
	135	135	23600	5000, 80	General	None	175	65°C
	175	175	31500	5000, 80	General	None	180	65°C
	220	210	37800	5000, 80	General	None	180	65°C
4FT HLHB	220	210	37800	5000, 80	General	None	180	65°C
	270	270	47300	5000, 80	General	None	175	65°C
	350	350	63000	5000, 80	General	None	180	65°C

Lens	Lumen Multiplier
None	1
Clear Polycarbonate (PCL)	0.90
Acrylic Clear (ACL)	0.93
Acrylic Frosted (AFL)	0.89

Lumen Ambient Temperature (LAT) Multipliers

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

Series	Nominal Watts	Measured Watts	Lumen	CCT, Ra	Distribution	Lens	Efficacy	Maximum Ambient
2FT HLHB	65	65	10260	5000, 80	General	PCL	158	65°C
	95	100	15800	5000, 80	General	PCL	158	65°C
	135	135	21330	5000, 80	General	PCL	158	65°C
	175	175	28350	5000, 80	General	PCL	162	65°C
	220	210	34000	5000, 80	General	PCL	162	65°C
4FT HLHB	220	210	34000	5000, 80	General	PCL	162	65°C
	270	270	42660	5000, 80	General	PCL	158	65°C
	350	350	56700	5000, 80	General	PCL	162	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

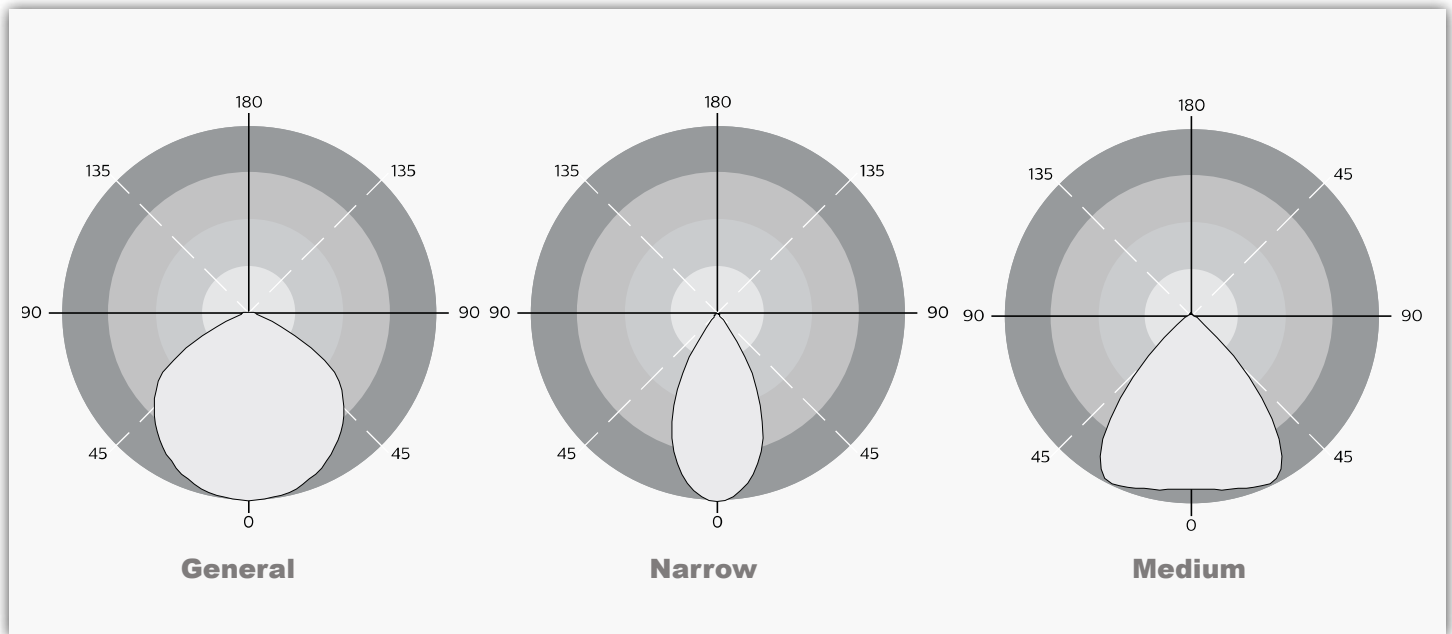
Projected LED Lumen Maintenance

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	23,000H	39,000H	73,000H	292,000H
Lumen Maintenance Factor	0.98(L98)	0.96(L96)	0.92(L92)	0.70(L70)

Photometry

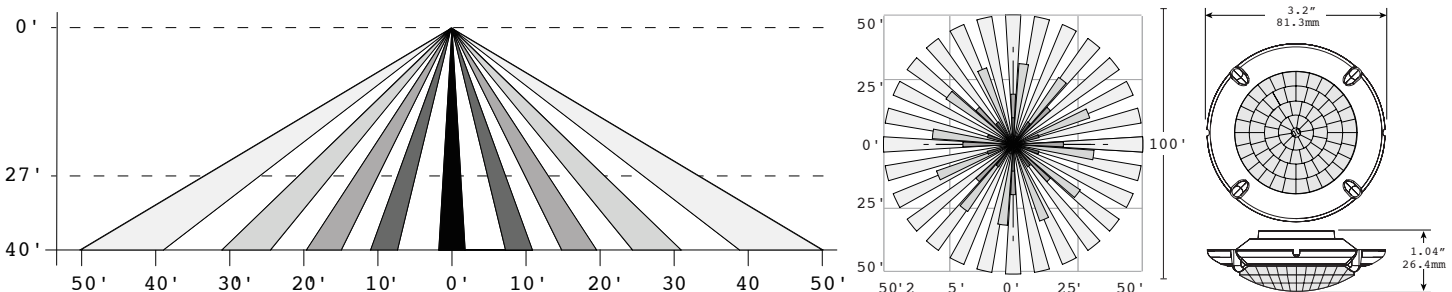
Distribution types for reference only



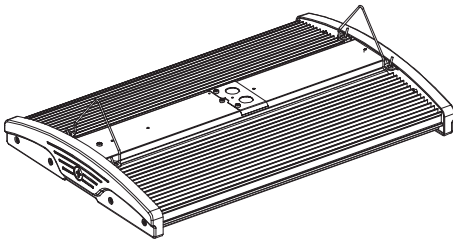
MOTION SENSOR

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.

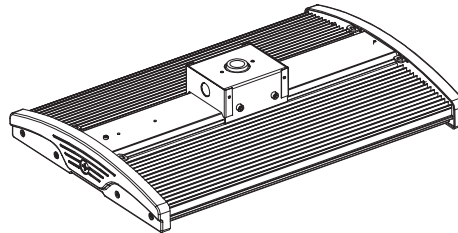
The L7 provides maximum coverage of 100' diameter mounted at 40 feet height. Please see below drawing for lens side and top coverage and dimensionn.



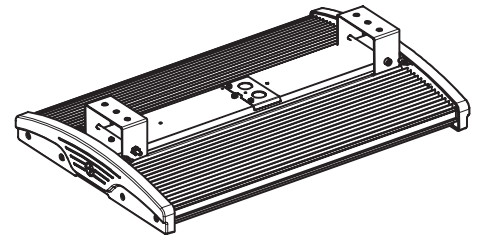
MOUNTING



V Hook Mounting



Pendant Mounting



Channel Mounting

Ref#: 12954-11121

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.

CERTIFICATIONS AND QUALIFICATIONS

- cETLus
- Damp location
- DLC Premium¹
- RoHS compliant

Warranty

Ten year limited warranty. Full warranty terms located at www.abovealllighting.com/warrantystatements

Note:

1. DLC Premium is listed for 2ft, 175W and 210W, in General and acrylic clear lens. The others are still in process. Specifications subject to change without notice.