

## LED ROUND LED HIGH BAY

### DESCRIPTION

LEI Round LED High Bay is designed with a precision spherical lens and four segments of an LED board. The optics with a precision spherical lens are different than a standard UFO and as result emits lower-brightness for eye comfort and performance, which is important for show rooms, exhibition centers, warehouses and manufacturing plants because it shows off the details of what is being showcased while being soft on people's eyes. The arm design High Bay fixture ensures driver compartments separated from LED array / heat sink structure, which prolongs the driver life and makes it ratings of -40°C to 65°C (-40°F to 140°F).



### SPECIFICATIONS FEATURES\*

#### Construction

- Diecast aluminum housing with polyester powder provides protection for LED components
- Driver separating from LED board prolong driver life
- Light weight 8.8 lbs for easy installation

#### Electrical

- Input Voltage: 120-277V, 120-347V, 347V/480V
- Operating Temperature: -40°C (-40°F) to 65°C (140°F)
- 0-10V Continuous dimming to 10%
- Power Factor: >0.95
- Total Harmonic Distortion: <15%
- Surge Protection: 6kV

#### Optics

- Precision spherical lens
- LED board consist of four segments
- Lower-brightness for comfort and performance
- IP65 rated optics
- 150 lumen/W

#### Mounting

- 3/4" steel hook standard
- Pendant mounting on 3/4" NPT pipe threads optional
- Pre-installed 6 feet cord

#### Finish

- Polyester powder coat finish painted after fabrication

#### Options

- Aluminum Reflector
- Clear Cone

#### Sensor

- Selectable mode high/low/off sensor
- Remote control

#### Warranty

- Five-year Warranty

## ORDERING INFO

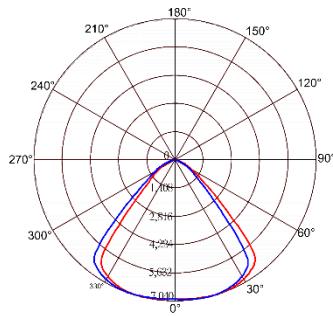
Example: LEI-HBL150-4K-U-90-G

Product	Wattage / Lumens	CCT	Voltage	Optics	H. Color	Accessories
LEI-HBL	100 = 100W/ 15000 lumens	4K = 4000	U = 120-277V	90 = 90 Degree	G = Grey	CC = Clear Cone
	150 = 150W/ 22500 lumens	5K = 5000	H = 347/ 480V	120 = 120 Degree	B = Black	AL = Aluminum Reflector
	200 = 200W/ 28000 lumens	3K = 3000	U/H = 120-347V*		W = White	M = Motion Sensor

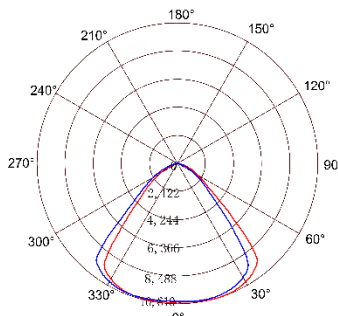
\*U/H = 120-347V only for 100W and 150W

## CANDELA

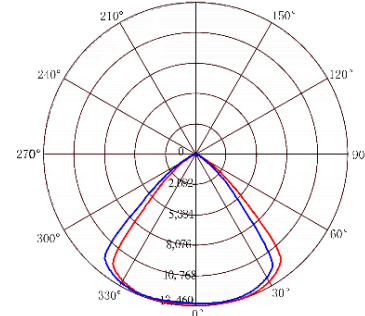
Beam Angle 90° (100W)



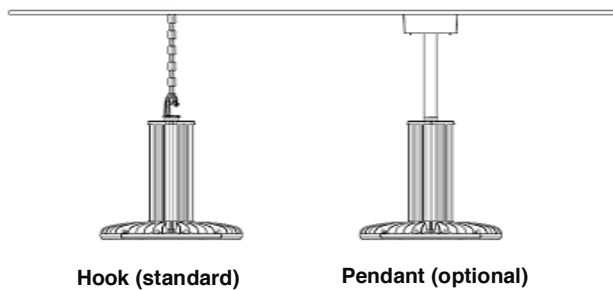
Beam Angle 90° (150W)



Beam Angle 90° (200W)

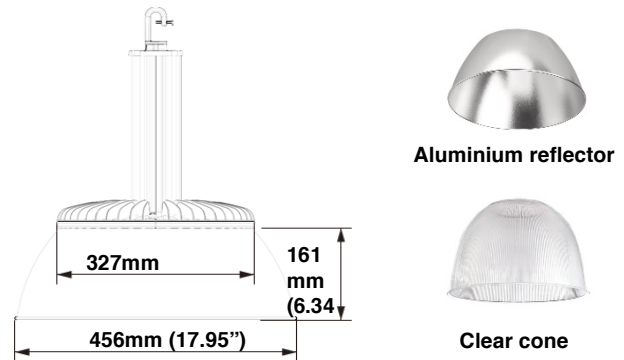


## Mounting options

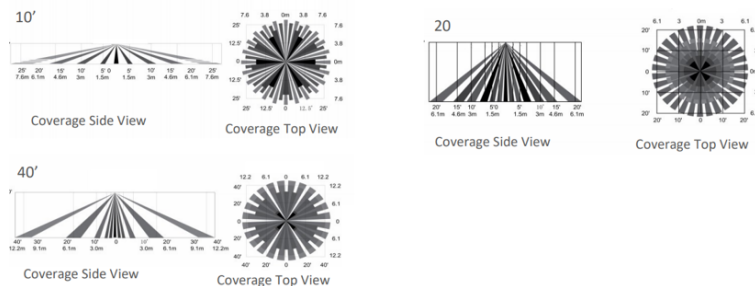


- 3/4" Steel hook standard (3/4")
- Pedant mounting on 3/4" NPT pipe threads optional

## Dimensions (High Bay with Aluminium Reflector)



## Integrated sensor



- Operating voltage: 12VDC
- Mounting Height: 49' / 15m Max
- Detection angle 360° (ceiling installation)
- Motion Detection: 0.5 ~3m/s

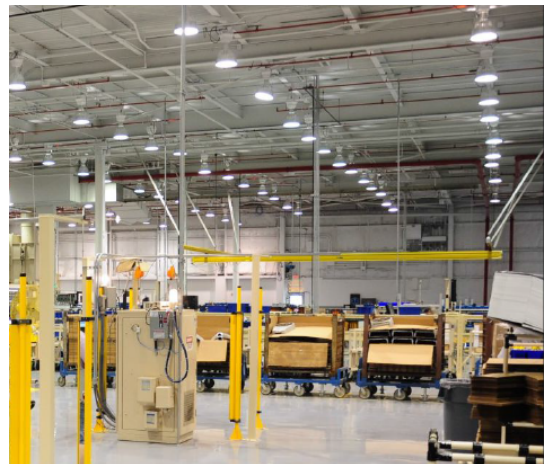
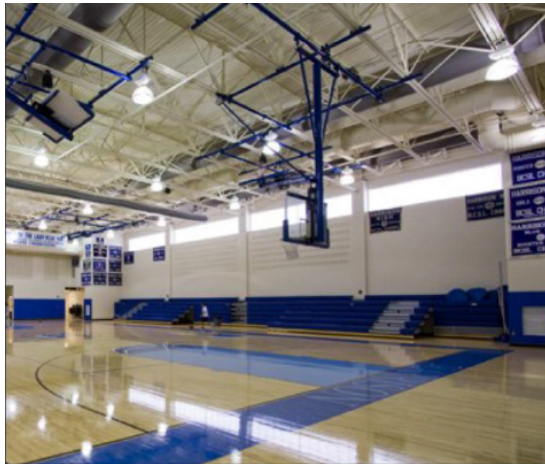
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## Multiple Mounting Options

The fixture includes a mounting hook that can be re-moved for pendant mounting on 3/4" NPT pipe threads.

## Thermal Air Convention Design

The housings are designed with 20% more area of the thermal air convention holes, which greatly help to reduce the heat from the housing and the driver. This excellent thermal control ensures the life of the fixture and lowers the lumen attenuation.

## Die-cast Aluminum

Die-cast aluminum housing with standard polyester powder coat finish painted for increased durability and rust protection. Provides excellent thermal management for rapid heat dissipation to promote a long and reliable life.

## Prolong Driver Compartment

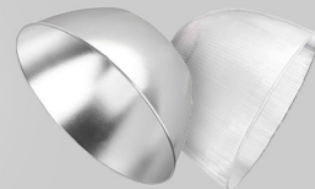
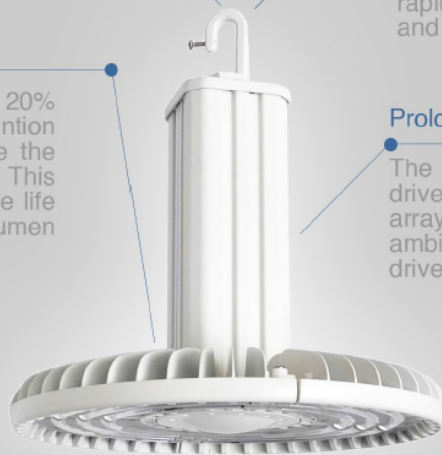
The arm design high bay fixture ensures driver compartments separated from LED array / heat sink structure, which lowers the ambient temperature to help prolong the driver life.

## Precision Spherical and convex lens

Spherical and convex lens that offers Low brightness, uniform illumination, and high efficiency LED platform.

## Integral Sensor

Integrated sensor for additional control and energy savings.



## LED High Bay—Installation Guide

### Important Safety Instructions

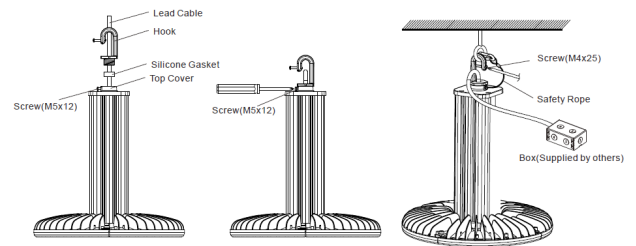
**WARNING** - risk of fire, electrical shock, cuts and other casualty hazards. This product must be installed in accordance with the applicable installation code by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved. LED Energy Inc. assumes no responsibility for claims brought about by improper or careless installation or handling of this product.



### Installation Mode

#### Hook Mounting Steps

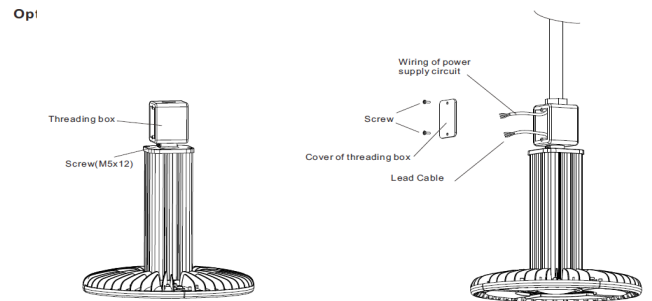
1. Thread the lead cable through the silicone gasket and the hook.
2. Attach the hook into threaded opening tightly in the top of the housing.
3. Tighten hook with the M5x12 set screw.
4. Hang the assembled light on pendant chain or other existing mounting hardware.
5. Attach the safety rope to existing mounting hardware.
6. Lock the M4x25 captive screw to avoid the falling off the existing mounting hardware.
7. Refer to Wiring Connecting Instruction, then connect wires.



#### Optional / Additional Installation Method

When the lights are not fitted with hooks, it has 3/4 inch internal thread. By adding 3 accessories of threading box, joint pipe and ceiling type plate, the light can be installed in derrick type. Detailed installation steps are as follows.

1. Put the threading box into the original place of the hook, screw and lock it by M5x12 screws tightly.
2. Fix the ceiling type plate with connected joint pipe to the ceiling or the junction box of the ceiling.
3. Tightly rotate the light on the joint pipe to avoid the falling of it.
4. Refer to Wiring Connecting Instruction, then connect wires.



### Wiring Connecting Instructions

1. Open the cover of threading box (this step can be omitted in case of hook type installation).
2. Connect wires, black lead to the (+) LINE supply lead, white lead to the (-) COMMON supply lead, GROUND wire from fixture to supply GROUND.
3. Close the cover of the threading box and lock the retaining screw with corresponding tools. Please ensure to lock the screw in place (this step can be omitted in case of hook type installation).

#### Aluminum Shroud

If the Aluminum shroud is desired, align the holes, connect the shroud to the light fixture tightly by the fix block and M3.9x13 screws.

