

## LED Round High Bay 120-277V

### Description

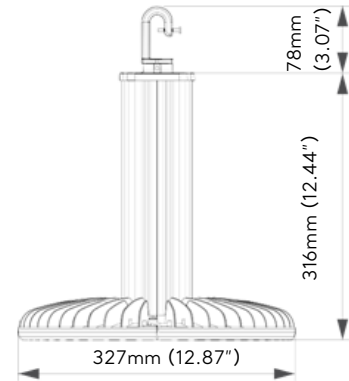
LEI IP65 Round High-Bay fixture offers high efficiency, uniformity and energy saving illumination. Precision designed optics and -40°C to 55°C (-40°F to 131°F) ambient up to 65°C (140°F) make this product perfect for commercial, industrial facilities, manufacturing plants, gymnasium, machining and other applications.

### Product Features

- 20% more area of the thermal air convection holes for better thermal performance
- Best-in-class CREE 3030 LEDs
- IP65, water and dust resistant
- Ultra-light weight - 8.8 lbs and easy to install
- -40°C to 55°C (-40°F to 131°F) ambient up to 65°C (140°F)
- Up to 150 lumen/W
- 120-277V

### Construction

- Die-cast aluminum housing with standard polyester powder coat finish
- Grey powder coated standard
- 3/4" steel hook standard
- Pre-installed 6 feet cord
- Optional integral occupancy and motion sensor



<b>Dimensions</b>	12.87" x 12.44"
<b>Weight</b>	8.8lbs / 4kgs

### Ordering Info

Example: LEI-HBL150-4K-U-120-B

Product	Wattage / Lumens	CCT	Voltage	Optics	Housing Color
LEI-HBL	150= 150W/ 22500 lumens	4K= 4000 5K= 5000	U= 120-277V	90= 90 Degree Wide 120= 120 Degree Wide	G= Grey B= Black W= White
<b>Accessories</b> AL = Aluminum Reflector M=Motion Sensor					



**Optics**

Power	Lumen Output	Efficacy (Lm/W)	CCT	CRI	Beam Angle	Life Time	Lumen Maintenance
150W	22050	147	4000K 5000K	≥80	Standard 90°	≥ 50,000 hrs.	89.52%

**Electricals**

Power	Apparent Power	System Wattage (W)	Replacement for	Input Wattage
150W	153	140	400W HID or HPS/MH	120–277Vac

**LED & Driver**

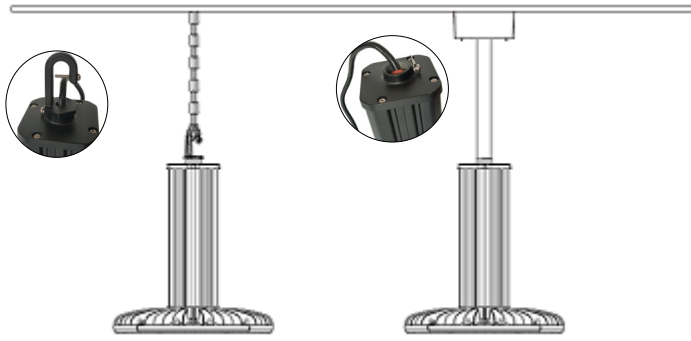
Power	LED Brand / Type	Dimmable	Output Voltage (VDC)	Driver Class	Surge Protection
150W	CREE 3030	Yes (0–10V dimming)	27–54 VDC	Class 1	6KV

**THD / PF DATA**

Power	Test Condition	THD	Power Factor
150W	120Vac	4.96%	0.993
	277Vac	8.62%	0.971

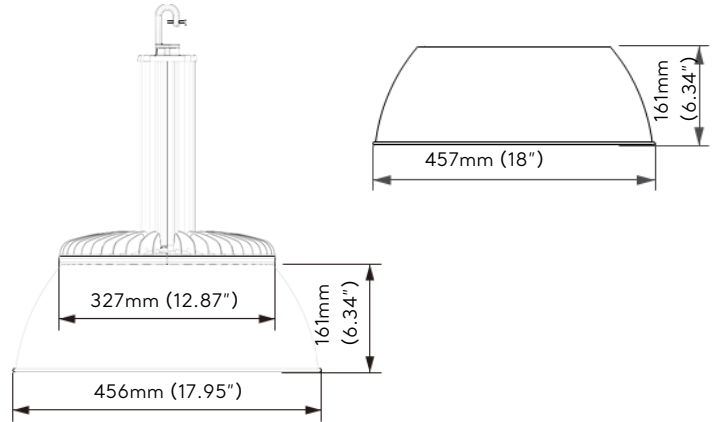
## Mounting Options

## Dimensions (High Bay with Aluminum Reflector)



**Hook (standard)**

**Pendant (optional)**



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

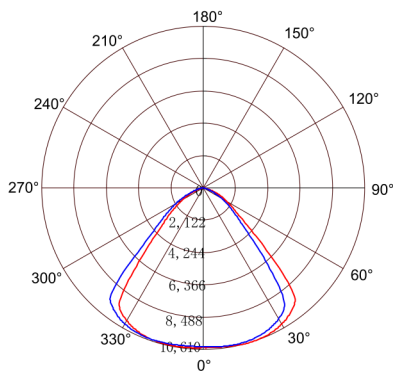
## Accessories



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

## Candela

**150W** Beam Angle 90°



C0 Plane beam angle (50%) C90 Plane beam angle (50%)  
 C0 Plane beam angle (50%):89.3(DEG) C0 Plane beam angle (50%):89.1(DEG)

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.

## Multiple Mounting Options

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



3/4" NPT threaded hub



Fixture Hook

## 6 feet Cord

Pre-installed 6ft cable, save time and cost on the installation job.

## 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.



18" Aluminum Reflector (optional).

## 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.

## Precisely Optics Design

The optics are precisely designed to deliver optimal distribution and superior performance.

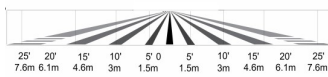
## Integral Occupancy and Motion Sensor

Integrated occupancy and motion sensor for additional control and energy savings.

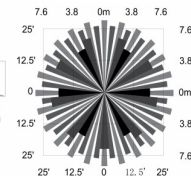


## Integrated Sensors

10'

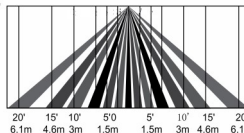


Coverage Side View

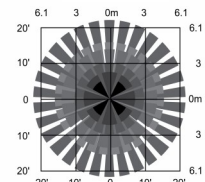


Coverage Top View

20'

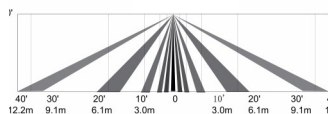


Coverage Side View

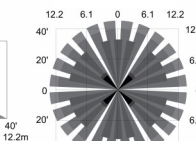


Coverage Top View

40'



Coverage Side View



Coverage Top View

## Microwave Motion Sensor



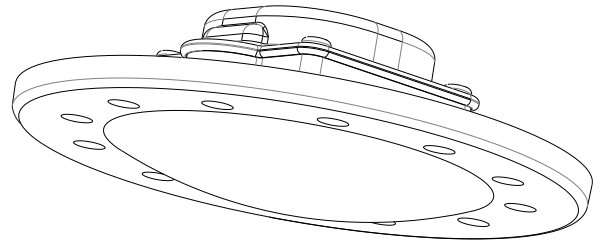
**Prevent Electrical Shock: Carefully Read All Warnings and Instructions First .**

**Check that the unit has not been damaged during transport .**

- Automatic dimming when used in combination with 1-10V dimmable LED drivers or ballasts.
- Built-in adjustable daylight sensor.
- Wide detection area, range up to 16m in diameter and mounting height 15M Max. suitable for warehouse use.

The sensor is innovative and active motion detectors with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials. except the higher mounting height 15m Max.

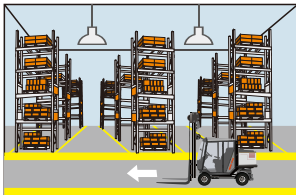
The sensors allow energy saving without compromising comfort. When used in combination with 1-10V dimmable LED drivers or ballasts, they can achieve 3-step dimming function, which is perfect for use in some areas that requires a light change notice before totally switch off. Also, the 1-10V interface in the sensors can match up with implement daylight harvesting, means the lighting system has automated controls that either turn off or dim artificial light in response to the available daylight in the space.



## Dimming Function

### 3-step dimming function

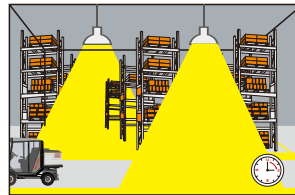
When used in combination with 1-10V dimmable LED drivers and ballasts, the sensors can achieve 3-step dimming function, 100%—> low light—>off. And the sensors build in adjustable daylight sensors, very easy to install and cost-effective.



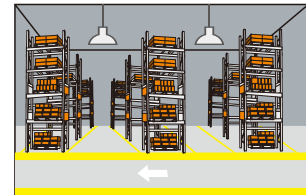
With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.

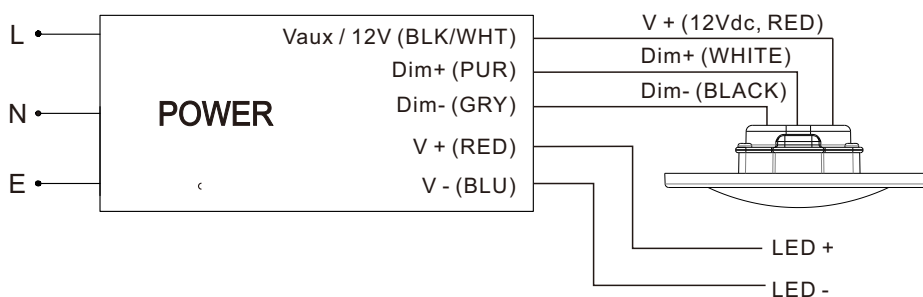


After hold time, the sensor dims the lamp at a low light level if no new motion trigger.



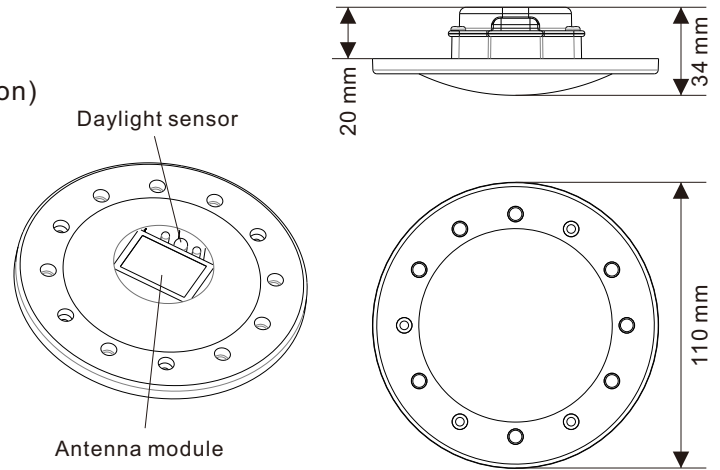
After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

## Wiring scheme

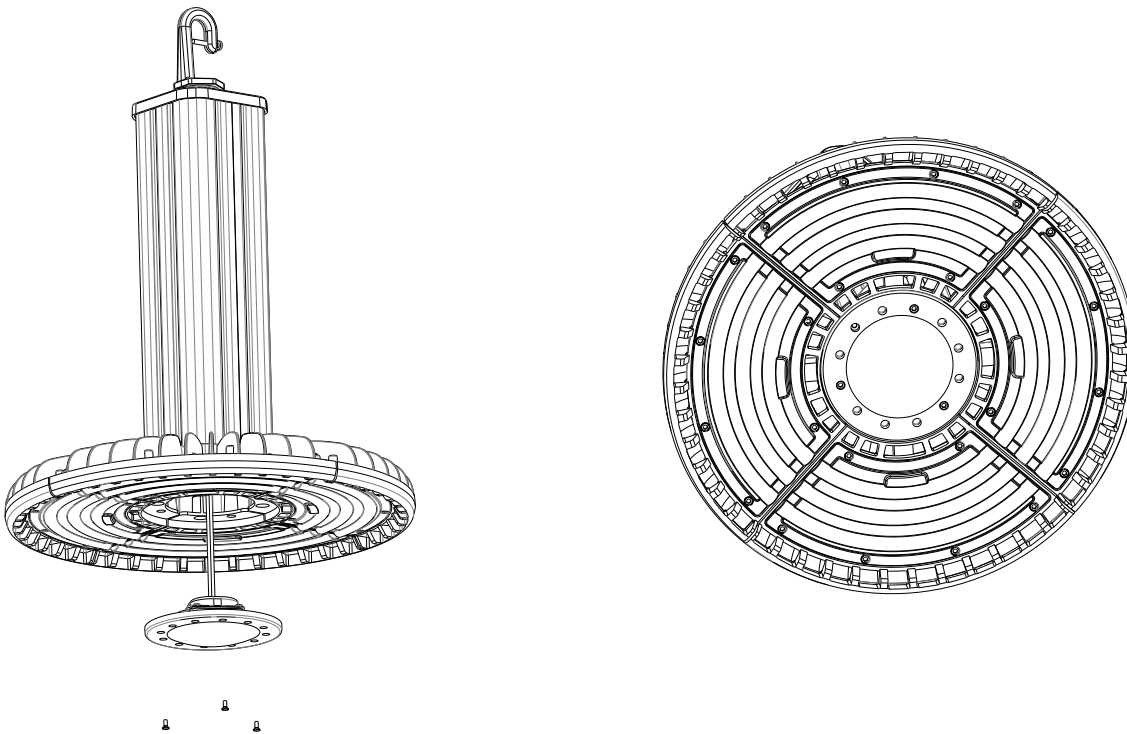


## Specification Features

Operating voltage 12VDC  
 Transmitting power <math><0.5\text{mW}</math>  
 Power consumption  $\leq 0.8\text{W}$ (standby),  $<1.5\text{W}$ (operation)  
 Detection zone Max.(D x H): 16m x 15m  
 Detection sensitivity 100% / 50%  
 Hold time 5s / 30s / 90s / 3min / 20min / 30min  
 Daylight sensor 50lux / 100lux / 200lux / Disable  
 Stand-by period 5s / 5min / 10min / 30min / 1h / +  
 Stand-by dimming level 10% / 20% / 30% / 50%  
 Mounting height 15m Max.  
 Motion detection 0.5~3m/s  
 Detection angle 360°(ceiling installation)



## Mounting



Unscrew and open the plastic decoration shell, connect the sensor's wires to driver's, then tighten the shell to the light fixture with the screws.



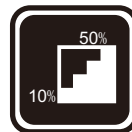
Max.8M



Hold Time  
5s~30min



Mounting Height  
15m Max.



Automatic  
Dimming



5 Years  
Guarantee

# HD03R

## Standard remote control

### ON/OFF

Press the "ON/OFF" button, the light keeps permanently on or off.\* Press "Auto Mode", "RESET" or "Apply" buttons to quit from this mode.

### Auto Mode

Press "Auto Mode" button, the sensor starts to work and all settings remain the same before the light gets switched on/off.

### Detection area

Press the button "detection range" to set detection range as 100% / 75% / 50% / 10%.

### Hold-time

Press the button "hold-time" to set hold-time as 5s / 30s / 1min / 3min / 5min / 10min / 15min / 30min .

### Stand-by dimming level

Press the button "stand-by dimming level" to set the stand-by dimming level as 10% / 20% / 30% / 50%.

### Stand-by period

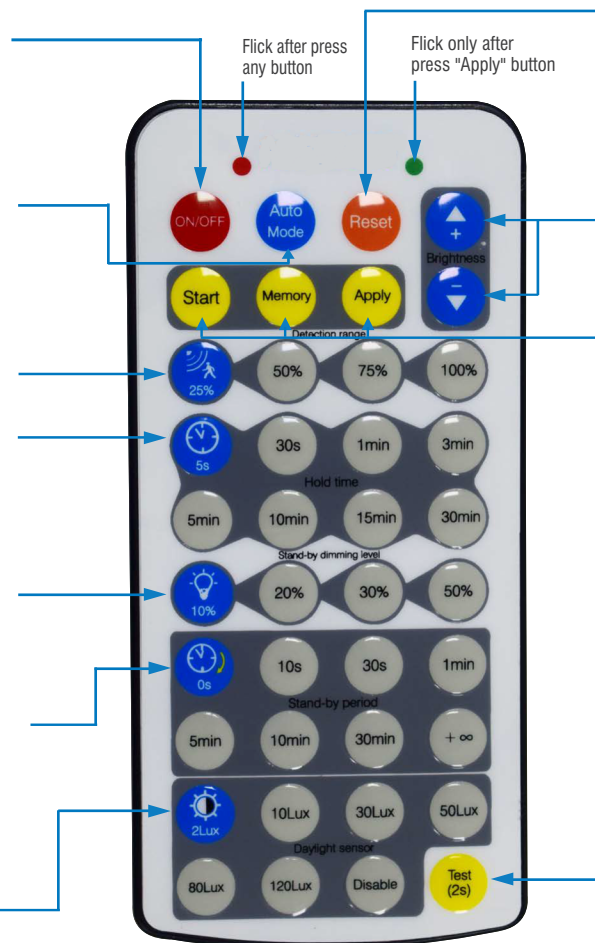
Press the button "stand-by period" to set stand-by period as 0s / 10s / 30s / 1min / 5min / 10min / 30min / +∞.

Note: "0s" means no standby period; "+∞" means unlimited standby period.

### Daylight threshold

Press the button "daylight sensor" to set daylight threshold as 2Lux / 10Lux / 30Lux / 50Lux / 80Lux / 120Lux / disable.

Note: Disable means light will be turned on once sensor detects movement, regardless of the ambient lux.



### Reset

1. Press "Reset" button, change brightness to max level.
2. Press "RESET" button, products with DIP switch will be controlled by DIP switches; otherwise all the setting will be just initial, that is 100% detection range, hold time 5S, no stand-by time and daylight threshold disabled.

### " +/- "

1. To adjust brightness 10-100% in ON/OFF mode.
2. To adjust highest brightness 60-100% in sensor mod.

### "Start"

Press "Start" to customize scene, users can change detection range, daylight threshold, holdtime, standby dimming level and standby period.

### "Memory"

1. Press "Memory" to save all the settings.
2. No change settings are kept as before save.

### "Apply"

1. Press "Apply" to deliver the saved values.
2. Press "Apply" without memorizing all the settings will deliver only one-time operation; Settings should be done within 30S, otherwise it exists memory mode.

### "Test (2s)"

The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode (hold time is only 2s) automatically, stand-by period and daylight sensor are disabled.

### Attention

1. When using ON/OFF button, the rest setting buttons don't work.
2. Press "Auto Mode" or "Reset" buttons before setting functions Detection Range, Hold time, Daylight sensor, Standby period and Standby dimming level.
3. Press Start and Memory button to change and save settings in any mode.
4. When using the remote control, light flickers to show instruction received.
5. Every change will be automatically saved.