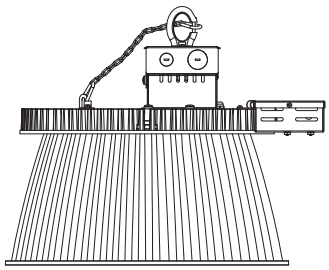
Model # E2HBA series



LED Pro Classical High Bay

Please read and understand this entire manual before attempting to assemble, operate or install the product. Failure to do so could lead to electric shock, fire or other injuries that could be hazardous or even fatal.

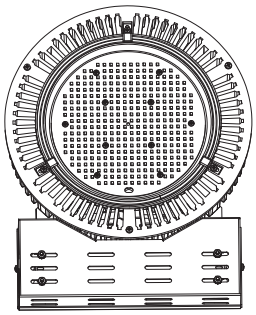
Be sure the electricity to the wires you are working on is shut off. Either remove the fuse or turn off the circuit breaker.

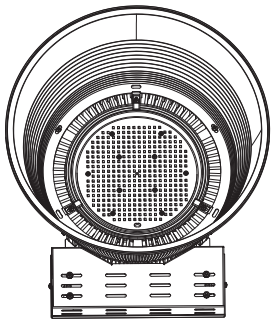
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This product must be installed in accordance with local, state and national electrical codes.

Installation work shall be completed by a licensed installer that is familiar with the construction and operations of the product.

Diffuser Assembly Procedure

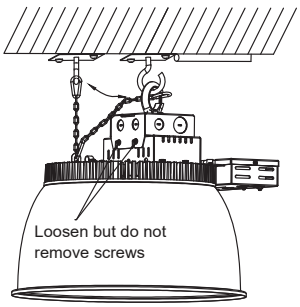




1. Align the three keyhole mounting slots on the mating face of the diffuser flange to the fixture body around the LED array.

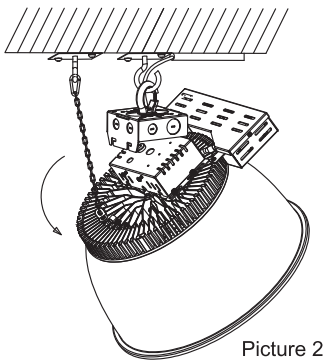
2. Lock the three screws through the keyhold slots and tighten down the screws to secure the diffuser.

Mounting instructions



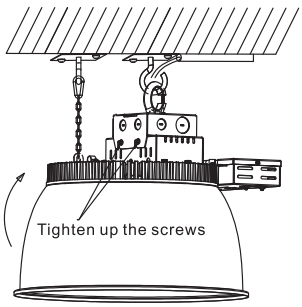
Picture 1

1. Hang the fixture to ceiling mounting hook, un-hinge safety hook and latch onto a separate hook or building structure. Loosen two screws on wiring compartment but do not remove



Picture 2

2. Slide the wiring compartment enclosure so that wiring can be accessed. Connect building leads to fixture within wiring compartment.



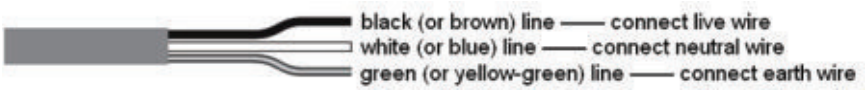
Picture 3

3. Swing fixture body back up and secure the wiring compartment enclosure by re-tightening the two screws from step 2.

NOTES:

- Make sure the luminaries are installed and fitted by a qualified electrician ensuring the installation complies to the current National Electrical Code and all local codes.
- Ensure all electrical connections are secure & that there are no loose strands.
- This is a Class I product and must be earthed.
- Install the fitting in a well-ventilated environment, keep away from corrosive/explosive materials, flammable gas or electric dust.
- Violent shaking or impact should be avoided when the fitting is working.
- Make sure that the fixings are adequate to support the weight of the fitting.
- Before installation or maintenance, turn off electric power and allow the fitting to be cool.

WIRING INSTRUCTION OF MAIN CABLE:



WARNING:
The product must be grounded and installed in accordance with the National Electrical Code and all local codes.
Failure to do so may increase the RISH OF PERSONAL INJURY, PROPERTY DAMAGE, FIRE AND DEATH

ZUV700A001 Remote
for Occupancy Sensor configuration



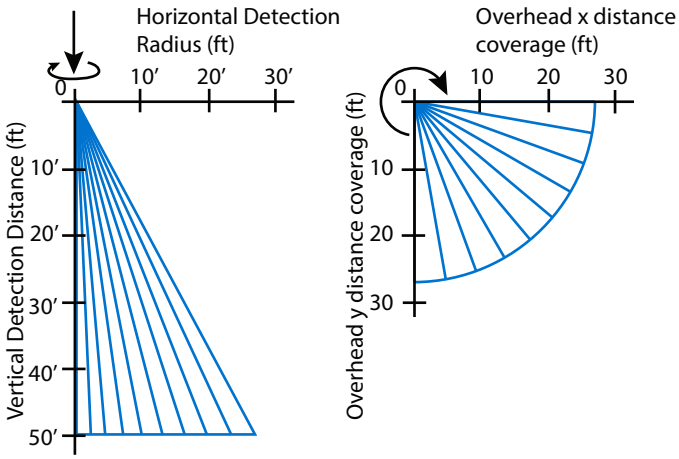
Energetic Lighting's ZUV700A001 remote will configure the occupancy sensors to operate at either a bi-level or tri-level state. Each operational stage can be configured to various light levels as well as desired time durations. Ambient light can also be factored in for daylight harvesting applications. Four custom memory slots are available to store specific configuration settings for instant upload of new settings.

Specifications

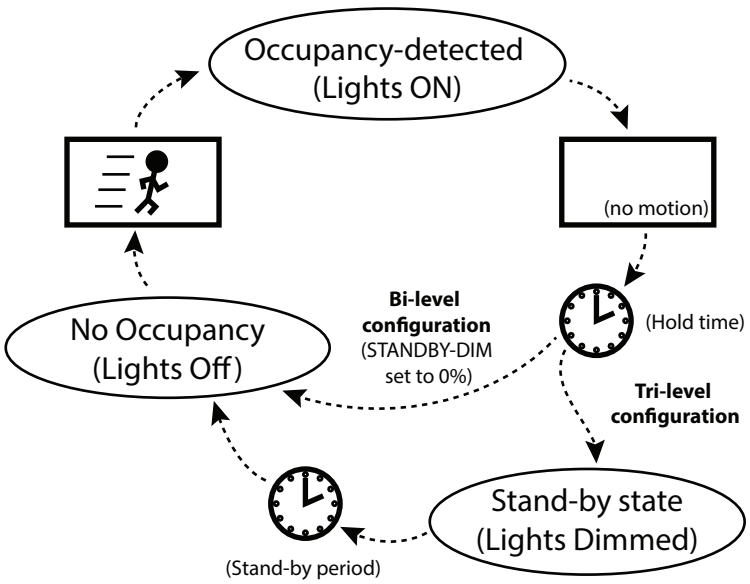
Stand-by power:	<0.5 W
Detection range options:	20%, 50%, 75%, 100%
Persistent on-time duration (hold time):	10sec, 1min, 5min, 10min, 15min, 20min, 30min, 60min
Stand-by period (tri-level on duration):	1min, 30min, 60min, ∞(bi-level mode)
Stand-by period dimmed state levels:	10%, 20%, 30%
Ambient light harvest threashold:	10 Lux, 30 Lux, 50 Lux, (disabled / always on), active sample
Sensor Type:	High frequency (microwave)
Sensor Frequency:	5.8 GHz (± 75 MHz)
Maximum Detection Range:	26-ft x 50-ft (lateral radius x height)
Detection angle:	30° - 150°
Maximum Mounting Height:	50-ft
Operating Temperature:	-40°F to 158°F

Detection range profile plot

Please note that the detection profile is symmetrical vertically, and a full 360° overhead.



Operation mode states



Remote Controller Operation

Transmission indicator LED: Indicator LED will light up during data transmission to sensor module.

Brightness: Sets the upper light light level % during normal operation (occupancy), this is only set lower if lights are too bright, or to save even more power during normal operation.

Sensitivity: Sets the sensitivity of the motion sensor to vary the detection trigger. Reduce sensitivity value to reduce false triggers and filter out negligible motion.

Hold-time: Sets the time fixture is to remain in Occupancy-detected state (Lights on) after no motion has been detected.

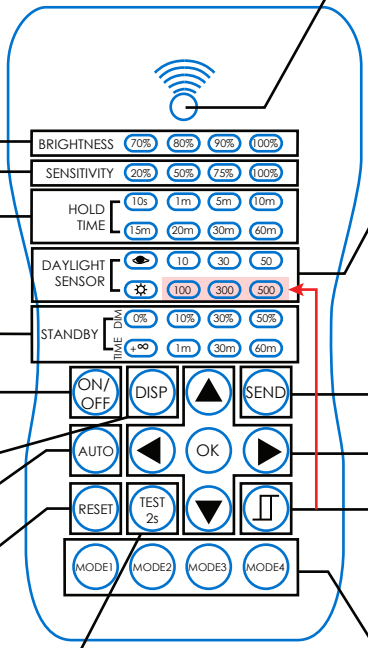
Stand-by period: (Tri-level configuration)
DIM: Sets the dimmed light % when no motion is detected, Select 0% for Bi-level configuration
TIME: Sets the time duration to keep fixture in a dimmed Stand-by state after the no-motion hold time has expired.

ON/OFF: Manual override fixture to either full on, or full off without sensor.

Display: Displays setting indicator lights and ready to configure using direction arrow keys.

Auto Mode: Enables sensor control of fixture.

Reset: Restores factory default settings where motion sensor and daylight sensors are disabled.



Daylight Sensor: Sets the minimum lux threshold needed to disable light activation. Ambient light above this threashold value will keep fixture in no-occupancy state (lowest level) regardless of motion detected by sensor. Pressing the 👁 button will sample the current lux level and set the minimum lux threashold to this level, or set to 10, 30, or 50 lux.
Select the ☼ button to disable daylight sensor (default). Daylight sensor upper threashold is enabled after pressing the ⎍ key and choosing between 100, 300, or 500 lux.

Send: Uploads the current settings displayed on upper indicator lights, after desired configuration is completed.

Arrow Keys: Navigate and configure desired settings displayed on upper indicator lights.
Press ▼ key to start with Brightness setting, current setting will be flashing.
Use ▲ and ▼ to move up and down each setting row bank.
Use ◀ and ▶ to toggle left and right through each setting within each row bank.

Enable Daylight Sensor: This key is used in conjunction with the Daylight Sensor settings bank shown above. Press this key after selecting the minimum threashold settings first to move the flashing cursor into the 100, 300, or 500 lux upper threashold bank.

Test 2s: This key is pressed to test the sensitivity of the motion detection setting, and will disable the stand-by settings and daylight sensor. After confirming motion sensor suitability, resume normal operation by pressing the AUTO key and exit the test mode.

Preset modes: These keys allow memory storage of up to 4 separate configurations. With all indicator lights off, press one of the Mode keys to display the current stored configuration. Use the arrow keys to make the desired settings through each category. Press center OK key to save configuration. To upload mode to sensor, press the mode key and then press the Send key to upload to settings.