

# LED LINEAR HIGH BAY

## Installation Instructions



**APPLICABLE FOR : LHB-70T105W-3CCT-DV2-WH/ LHB-110T160W-3CCT-DV2-WH/  
LHB-165T215W-3CCT-DV2-WH/ LHB-255T320W-3CCT-DV2-WH**

### SAFETY INFORMATION

#### IMPORTANT

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

#### PRECAUTIONS

- Please read and understand this entire manual before attempting to assemble, install, or operate this light fixture.
- This light fixture requires a 120-277VAC power source.
- Some codes require installation by a qualified electrician.
- This light fixture must be properly grounded.
- Make sure connections are secure using wire nuts, crimp-on lugs or other approved connecting devices.



**WARNING:** Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.



**CAUTION:** Burn hazard. Allow the light fixture to cool before touching.



**NOTICE:** If using dimming function, only connect to 0-10V approved dimming switches or control system



**NOTICE:** FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.



**INFORMATION:** The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation. These limits are designed to provide reasonable protections against harmful interference when the equipment is operated in a commercial environment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

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### INSTALLATION

#### Cautions:

1. Do not use any electric generator to test the LED light.
2. Please abide by related country, regional and local law and regulations when installing the fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

#### Attention:

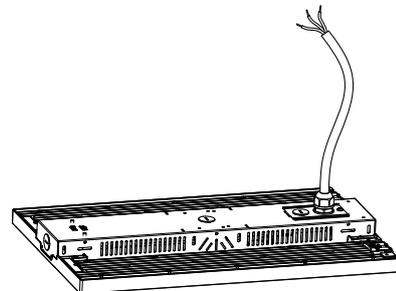
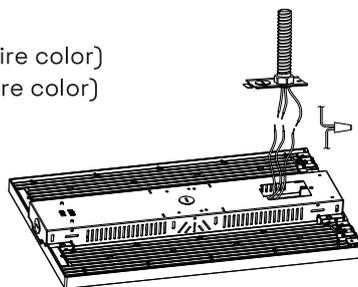
1. Please check for any damage incurred during shipping. If any damage is found, contact the manufacturer promptly.
2. Carefully read the installation instructions and ensure all accessories are complete. Once confirmed, proceed to install the fixture according to the provided steps.

#### Wiring Diagram & Instructions:

Three dimming functions are available for this high bay light:

1. 0/1-10VDC Dimming: Achieves constant current dimming.
2. PWM Signal Dimming: Uses pulse-width modulation for dimming.
3. Resistance Unit Dimming: Adjusts dimming through variations in resistance.

1. L: Black
2. N: White
3. Ground: Green/Yellow
4. DIM+: (Check the light label for wire color)
5. DIM-: (Check the light label for wire color)



#### Dimming Options:

Please choose the appropriate dimming method according to your needs. You may also choose not to use this function.

Note: The product cannot be connected to a dimming device when it is equipped with a Motion Sensor.

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### INSTALLATION

#### Lens Replacement in the Field:

1. Open the Lens Retaining Plate:

Push the retaining clasp with your finger to release the lens retaining plate.  
Rotate the plate until it falls into the slot of the heatsink. (Refer to Figure 1)

2. Replace the Lens:

Remove the old lens from the fixture.  
Insert the new lens into the fixture.

Close the lens retaining plate to secure the new lens in place. (Refer to Figure 2)

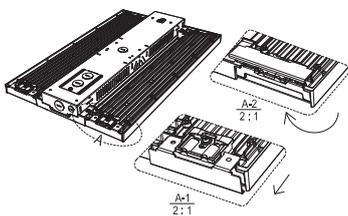


Figure 1

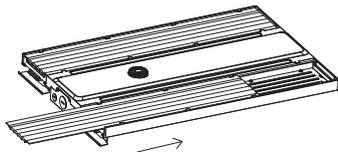
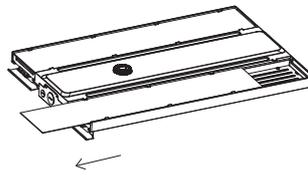


Figure 2

### INSTALLATION METHODS

#### Chain/Cable Installation:

A. Hanging Installation: (Chain/Cable)

Hook up the chain. (Refer to Figure 3)

Connect the chain to the fixture. (Refer to Figure 3)

Fix the chain on the rail and adjust the chain length as needed. (Refer to Figure 3)

After securing the fixture, choose a suitable wiring knockout and connect the wires according to local standards and codes.

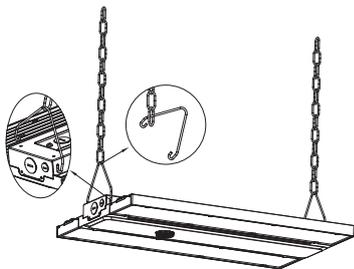
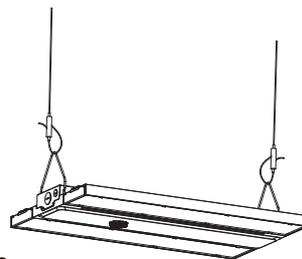


Figure 3



# LED LINEAR HIGH BAY Installation Instructions



## INSTALLATION METHODS (CONTINUE)

### 3/4" NPT (National Pipe Thread) Installation:

(If this bracket is used for the fixture, backup driver solution cannot be chosen)

- Mount the bracket on the 3/4" NPT fitting. (Refer to Figure 4)
- Lock the fixture onto the bracket. (Refer to Figure 5)
- Connect the wires according to local standards and codes.
- Lock the side brackets with a screwdriver. (Refer to Figure 6)



Figure 4

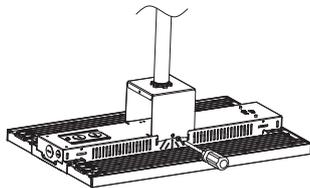


Figure 5

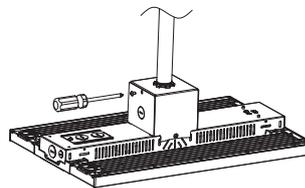


Figure 6

### Surface Mounting:

(If this bracket is used for the fixture, backup driver solution cannot be chosen)

- Mount the bracket on the rail or ceiling. (Refer to Figure 7)
- Assemble the lamp on the bracket and fix it with screws. (Refer to Figure 8)
- After mounting, choose a suitable wiring knockout and connect the wires according to local standards and codes.

**Note:** Please choose the most suitable installation method for your purchased product based on your specific needs.



Figure 7

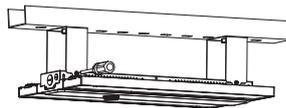


Figure 8

### Extra Accessory Option Installation:

- Wire Guard (Purchase the correct size wire guard from the manufacturer)
  - Place the wire guard on the lamp and secure it with screws.



Figure 9

- Motion Sensor / PIR Sensor (Both sensors have the same installation method)
  - Connect the wires according to the wiring diagram.

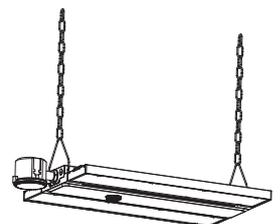
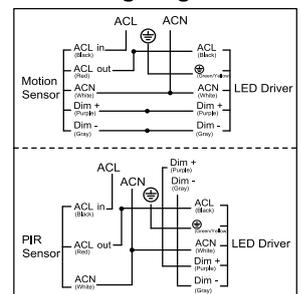


Figure 10

### Wiring Diagram



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## Installation Instructions

### INSTALLATION METHODS (CONTINUE)

#### DC Motion Sensor / PIR Sensor

(Both sensors have the same installation method)

Follow the instructions on the plug and rotate the plug off by hand. (Refer to Figure 11)

Twist-lock the DC sensor to the base to ensure proper functionality. Use a remote control to adjust the working mode as needed. (Refer to Figure 12)

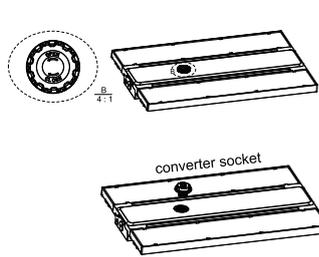


Figure 11

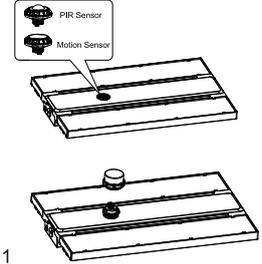
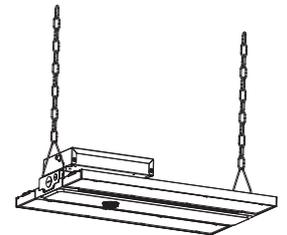
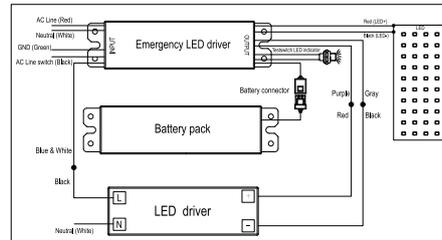


Figure 12

#### Backup Driver:

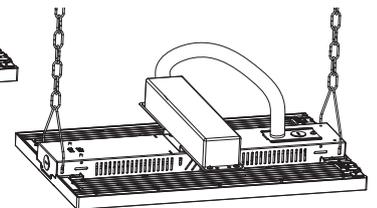
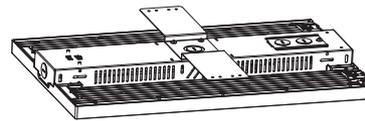
Open the junction box with a screwdriver. Connect the input wires on each backup driver and fixture driver via a suitable knockout, then complete the junction.

Wiring diagram (Maintained)



#### Backup Driver:

Assemble the bracket onto the back of the light fixture. Assemble the emergency power supply to the bracket, and then connect according to the wiring mode.



#### CCT & Wattage Adjustment: Wattage adjustment switch + CCT tunable switch

