

## INSTALLATION INSTRUCTIONS

### LED LINEAR HIGH BAY SERIES



Ordering Code: LLHC-80-150W-MCTP-SR  
LLHC-165-220W-MCTP-SR

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION:**

**WARNING**

Be certain electrical power is OFF before and during installation and maintenance.  
Linear High Bay luminaire must be connected to a wiring system with an equipment – grounding conductor.

Make sure the supply voltage is same as the rated luminaire voltage.  
To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or sharp objects.  
**CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## INSTALLATION METHODS

➤ **PACKAGE INSIDE**

- ✧ Fixture (x1)
- ✧ V-hangers+ Chains (x2)

➤ **TOOLS FOR INSTALLATION**



This fixture is designed to be suspended using supplied V-hangers and chain or surface mount installation with optional surface mount bracket -sold separately.

**I. Suspended installation (Standard)**

1. Located provided chains and V-hangers. Attach chain to each V-hanger.
2. Attach V-hanger to fixture through the holes on the fixture housing (See FIG.1)
3. Secure the other end of the chain to structure using hardware rated for the load.
4. Hook up the chain on the ceiling anchor
5. Select the properly power and CCT according to the switch on the housing after well connect the wire .



FIG.1

**II. Surface mount installation (Require surface mount bracket sold separately )**

1. Attach bracket to structure using hardware rated for the load
2. Support fixture while snapping fixture to bracket. Ensure fixture is balanced.
3. Install supplied nuts. See Fig 2
4. Select the properly power and CCT according to the switch on the housing after well connect the wire .



FIG.2

**III. Pendant mount installation (Require chains sold separately)**

1. Located provided chains. Attach chain to the holes on fixture housing (See FIG.3)
2. Secure the other end of the chain to structure using hardware rated for the load.
3. Hook up the chain on the ceiling anchor
4. Select the properly power and CCT according to the switch on the housing after well connect the wire .

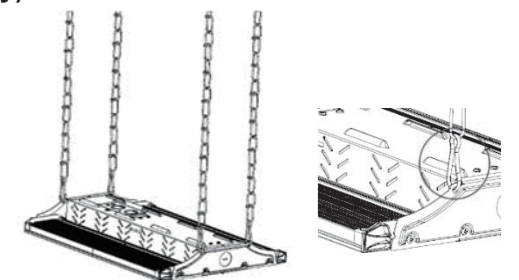


FIG.3

**IV. Pendant mount installation (Require pendant mount bracket sold separately )**

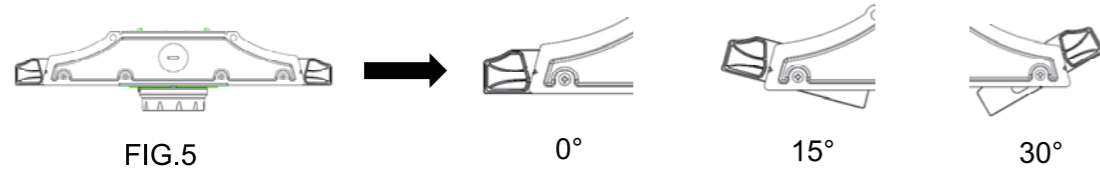
1. Assemble the ceiling base on the wall with screws, then screw the conduit on the ceiling base, then screw the nut.
2. Put the I-bracket on the conduit, then fix with gasket and nuts.
3. Stuck the fixture on the I-bracket. See Fig. 4
4. Select the properly power and CCT according to the switch on the housing after well connect the wire .



FIG.4

◆ **Adjust the light bar angle**

There are 3 choices for rotate: 0°/15° /30°. Rotate light bar to the ideal angle. See FIG. 5



## WIRING DIAGRAMS

### Fixture Wiring

1. Remove junction plate from fixture housing.( see FIG. 6 )
2. Remove the necessary knockout from junction plate
3. Make wire connections with wire nuts  
Connect the internal pole cable with the luminaire cable. The common line is connected to the white wire. The ground line is connected to ground (green wire) , and the live line is connected to the black wire.
4. Reinstall junction plate

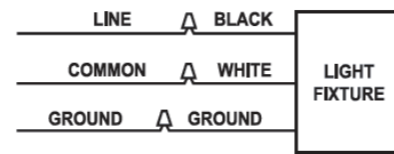


FIG.6

### Sensor wiring

1. Connect the sensor if have. See FIG. 7.
2. Compatible with any sensor with Zhaga Book 18 (Edition 2.0) twist-lock socket. Make wire connections with wire nuts. Connect the internal pole cable with the luminaire cable. The DIM+ wire is connected to the blue wire. The DIM- wire is connected to grey wire. and the VCC line is connected to the brown wire.

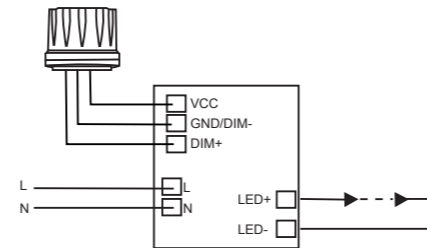


FIG.7

## FUNCTIONAL PERFORMANCE

Select Power(W) and Color Temperature(CCT) by sliding respective switch to the desired value. One model No. With 12different options.

Model No.	Input Voltage (V)	Power (W)	Lumens (L-M-H) (lm)	CCT (K)	Size (inch)
LLHC-80-150W-MCTP-SR	120-277	80-110-150	12000-15000-21000	3000-3500-4000-5000	14.65*9.92*1.89
LLHC-165-220W-MCTP-SR	120-277	165-190-220	24000-27000-30000	3000-3500-4000-5000	23.07*9.92*1.89

## ACCESSORIES

Standard

- V-hangers+ Chains (x2)

Option accessories(sold separately)

- Plug-in Microwave Motion Sensor 12-24VDC (x1)
- Safety Rope (x1)
- Emergency driver (x1)
- Ceiling Kit (x1)
- Wire guard (x1)
- Chains (x4)
- Pole kit (x1)