

MaxLite® LED Linear Highbay



General Safety Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- DO NOT INSTALL DAMAGED PRODUCT!



Pictures are for illustration purposes only. Your model may vary.

WARNINGS:

RISK OF ELECTRICAL SHOCK

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors..

CAUTION:

RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.

CAUTION:

RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamp/lens.
- MIN 90°C SUPPLY CONDUCTORS
- Disconnect power and allow fixture to cool before changing bulb or handling fixture.

Models:

HLV Series

Included in box:	
A	LED Fixture – 1pc
B	40" knotted chain – 2pcs
C	V hooks – 2pcs

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General Wiring Diagram

CAUTION:

Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

Connecting panels to AC source supply:

All units must be individually connected to the AC supply.

- Black = Line
- White = Neutral
- Green = Ground

Dimming function:

Constant current can be achieved by 0-10VDC dimming

Recommended Dimmers:

Lutron: NTSTV-DV

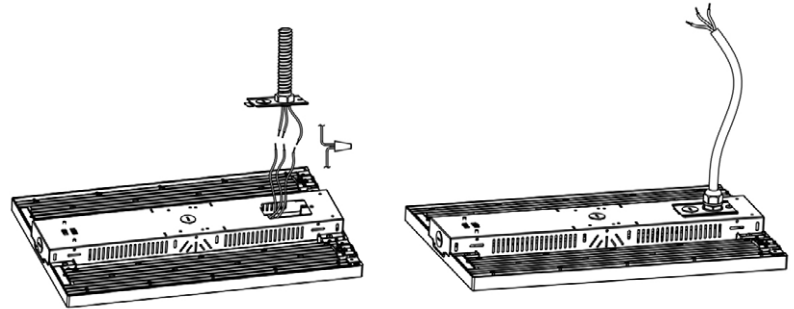
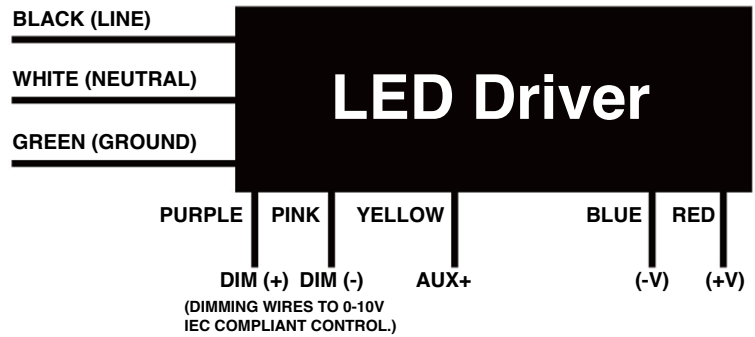
Leviton: DS710-10Z/IP710

Legrand: RH4FBL3PW

NOTE:

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

*The product can not be connected to a dimming device when it's equipped with Motion Sensor.



Setting Wattage and Color Temperature

NOTE:

Applicable to models ending in WCS only. Models are set to the lowest wattage and 4000K.

Adjust the color temperature and lumen output respectively by using the two DIP switches. Each DIP switch is accommodated with 3 options (left, middle and right), corresponding to 3 color temperatures and 3 power options respectively. Use these to select the desired color temperature and lumen output combination.

Factory Settings: Lowest Wattage/ 4000K

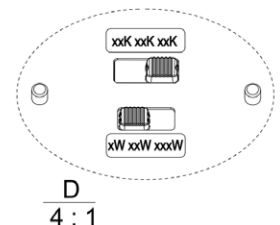
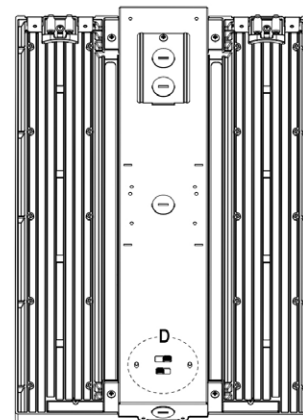
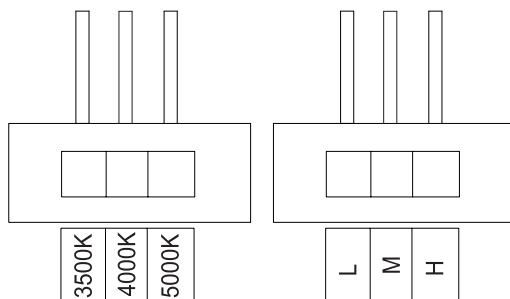
1. DIP switches are located onto the side of the fixture.
2. Select a wattage and color temperature by sliding switch left or right to the desired value.

Color settings:

Left, stands for 3500K;
Middle, stands for 4000K;
Right, stands for 5000K;

Wattage settings:

Left, stands for Low;
Middle, stands for Medium;
Right, stands for High;



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⚠ WARNING

Disconnect the power by turning off the circuit breaker or by removing the appropriate fuse at the fuse box. Turning the power off using the light switch is not sufficient to prevent electrical shock.

1. Remove the new LED fixture from packaging and inspect for any damage. Handle new LED fixture with care.
2. Connect the LED high bay wiring to line wire, black to black, white to white and green to green. Use only UL listed wiring.
3. Clean all residues/fingerprints from the new LED high bay and lens. Double check all hanging hardware before moving onto the next installation.

Installation Instructions – Chain or Cable Hanging (Sold Separately)

1. Hook up the chain (See Fig. 3)
2. Connect the chain with fixture (See Fig. 3)
3. Fix the chain on the rail, adjust the chain length as per need (See Fig. 3)
4. After fixed, choose suitable wiring knock out, connect the wires according to local standard and code

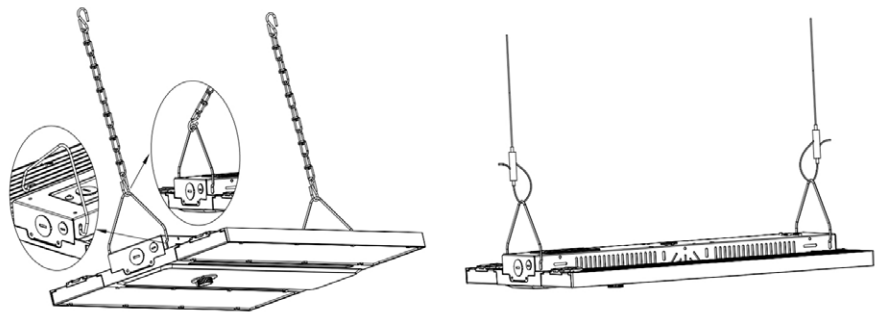


Figure 3

Installation Instructions – Pole Mount Kit (Sold Separately)

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

1. Mount the bracket on 3/4" NPT (See Fig. 4)
2. Lock fixture on the bracket (See Fig. 5)
3. Connect the wires according to local standard and code;
4. Lock side brackets with screw driver (See Fig. 6)

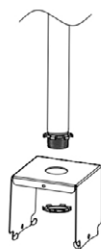


Figure 4

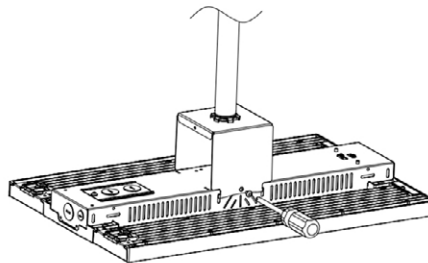


Figure 5

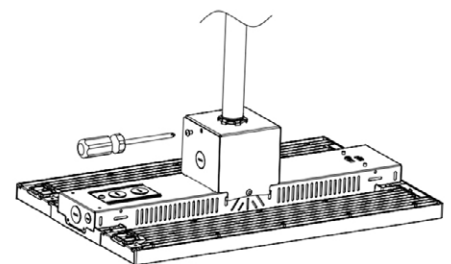


Figure 6

Installation Instructions – Surface Mount Kit (Sold Separately)

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

1. Mount the bracket on the rail or ceiling (See Fig. 7)
2. Assemble the lamp on the bracket and fix it with screws (See Fig. 8)
3. After mounting, choose suitable wiring knock out and connect the wires according to local standard and code.

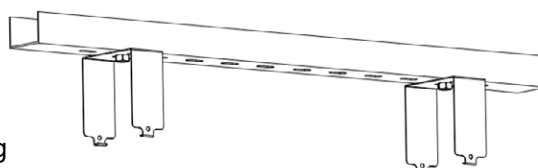


Figure 7

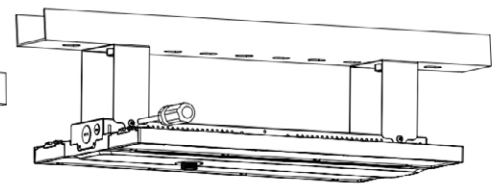


Figure 8

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Installation Instructions – Wire Guard (Sold Separately)

NOTE: Ensure the correct size wire guard from manufacturer was purchased

1. Place the wire guard on the lamp side of the fixture and secure with provided screws. (See Fig. 9)

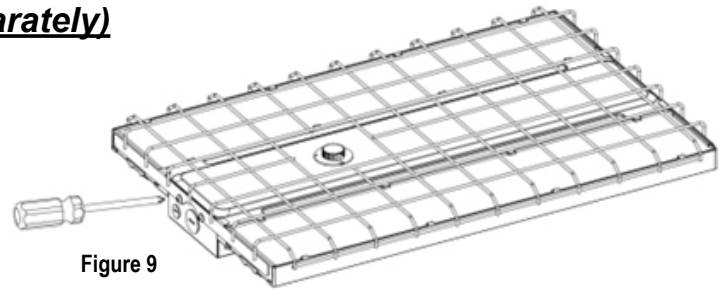


Figure 9

Installation Instructions – c-Max Sensor (Sold Separately)

1. Remove the plastic cap and plug by rotating to the right with your hand. (see Fig. 11)
2. Plug the c-Max control node into the USB receptacle. Rotate the outer ring until arrows align. Tighten set screw. (see Fig. 12)

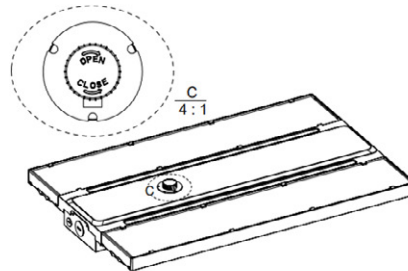


Figure 11

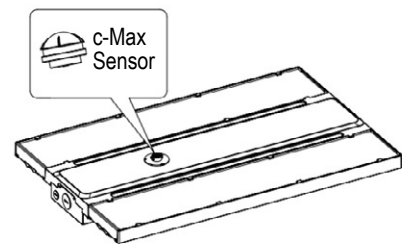


Figure 12

Lens Replacement - Field Installation (Sold Separately)

1. Push the retaining clasp with your finger to open the lens retaining plate in a rotating manner so that it falls into the slot of the heatsink. (See Fig. 13)

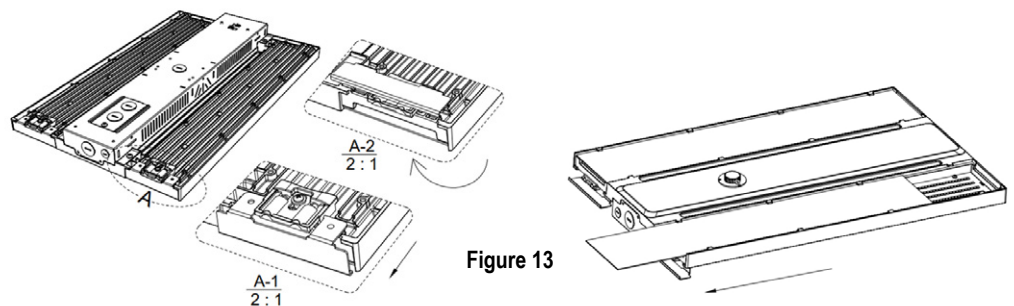


Figure 13

2. Remove the lens from the fixture, replace them with new lens, and close the lens retaining plate, then it's finished. (See Fig. 14)

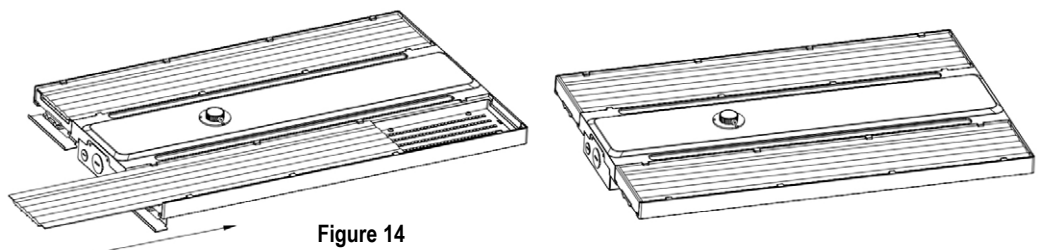


Figure 14

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**Installation Instructions – Emergency Battery Backup Unit – EM Model (Sold Separately)**

1. Open junction box with screw driver.
2. Connect the input wires on each backup driver and fixture driver via suitable knock out, then complete the junction. (See Fig. 15)

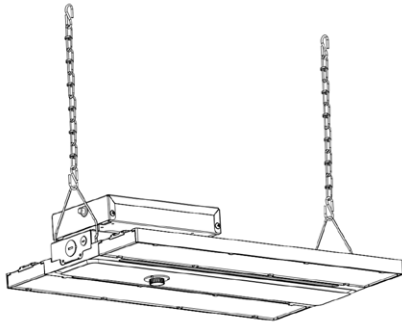
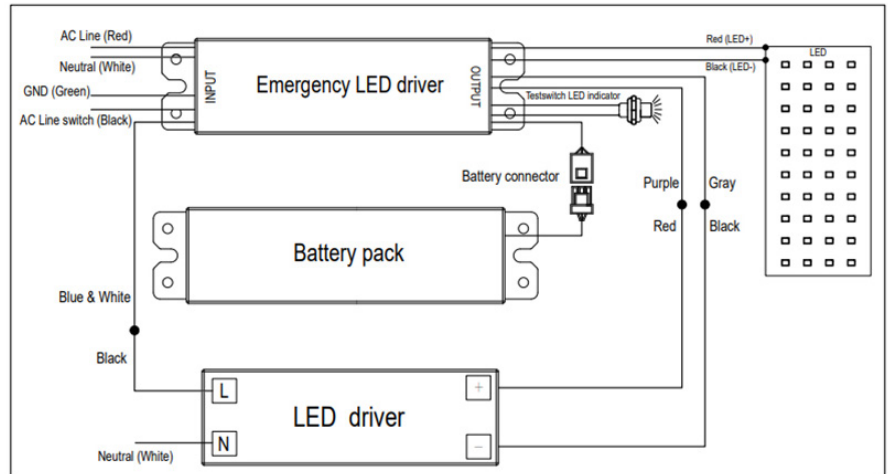


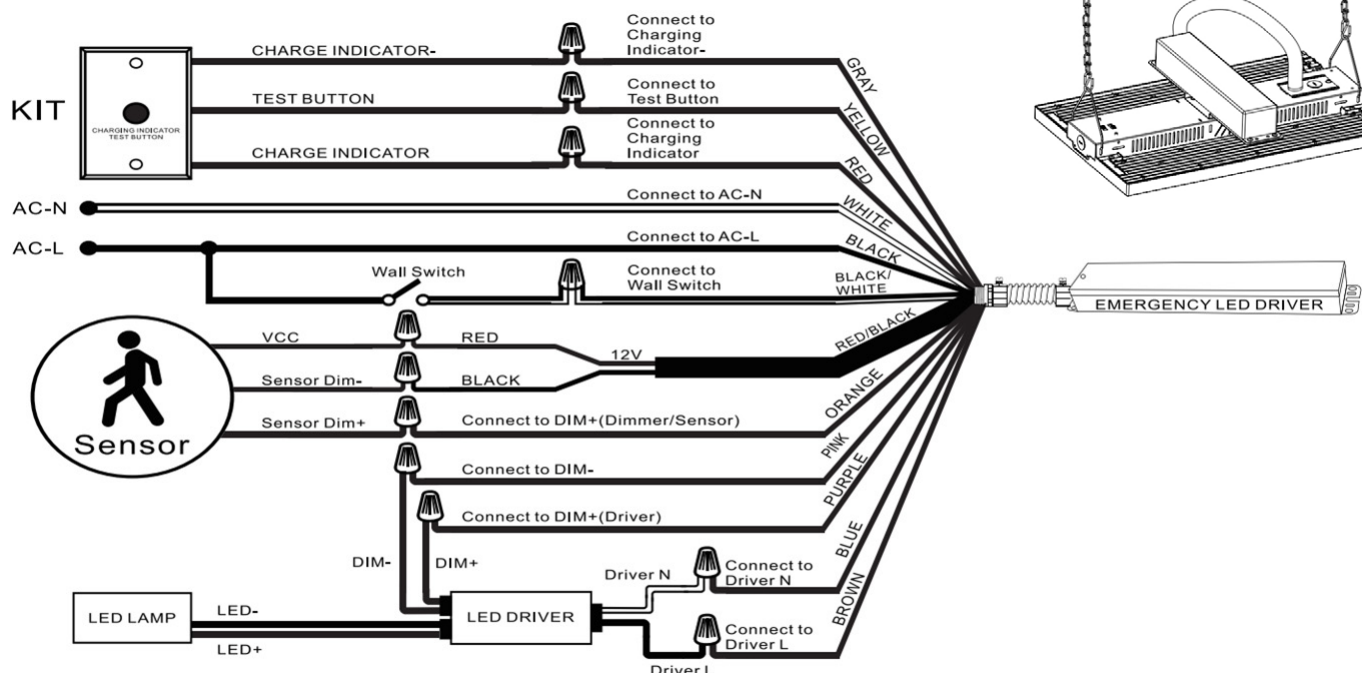
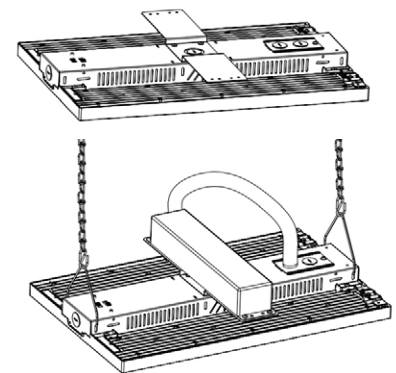
Figure 15

**Installation Instruction – Field installable EM (Sold Separately)****Items needed for this install**

- 135W/220W/300W fixture model
- EBUUP17040N100 (135W/220W)
- HLV-BBUBRACKET
- EBUUP17060N100 (300W)

1. Assemble the bracket onto the back of the light fixture.
2. Assemble the emergency power supply to the bracket, and then connect according to the wiring mode. (See Fig. 16)

Figure 16



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**Installation Instruction – Field installable EM – 80W Model (Sold Separately)****Items needed for this install**

- 80W fixture model
- HLV-80EBOX
- HLV-BBUBRACKET
- EBUUP17040N100 (80W)

1. Remove the four screws from the driver box of the fixture.
(see Fig. 17)

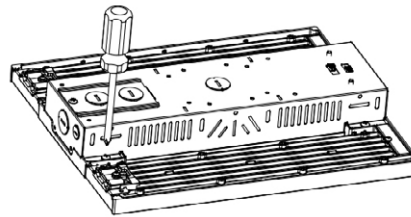


Figure 17

2. Knock out the side hole of the driver box, remove the nut on the indicator light, and then install the indicator light into the hole on the driver box.
(see Fig. 18)

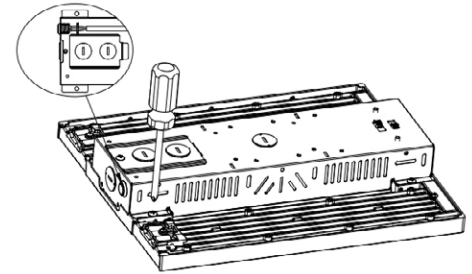


Figure 18

3. Remove the cover plate screws, knock out the hole at one end, and remove the cover plate.
(see Fig. 19)

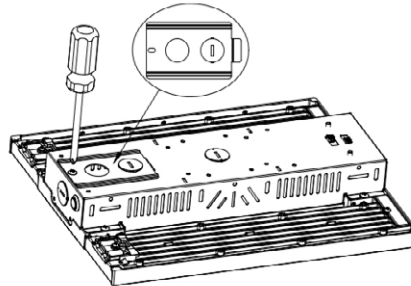


Figure 19

4. Align the junction box with the screw holes in the outlet holes of the driver box, then secure it with screws. (see Fig. 20)

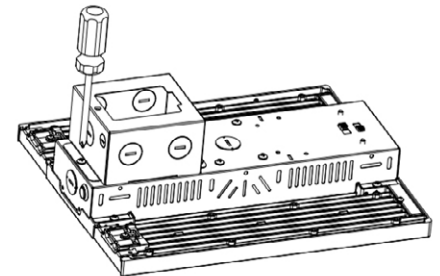


Figure 20

5. Attach the emergency bracket to the designated holes in the driver box and secure it with screws. (see Fig. 21)

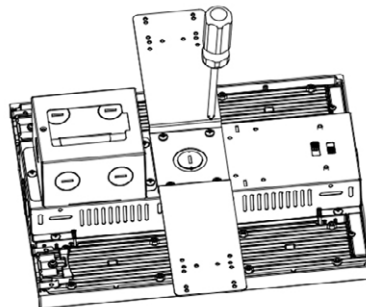


Figure 21

6. Fix the backup driver pack with screws, and then pass the connector of the backup driver pack outlet through the knockout hole of the driver box cover, and fix it with a nut, tighten the cover plate screws after the wires are connected properly.
(see Fig. 22 & 23)

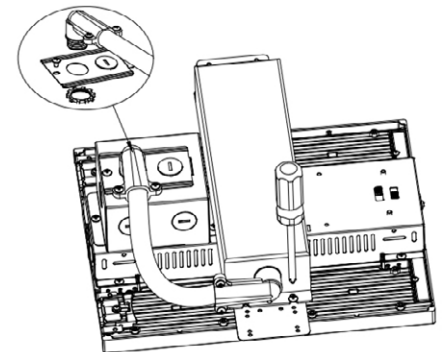


Figure 22

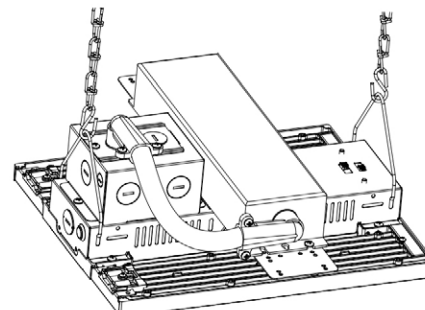


Figure 23

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Installation Instructions – Step Down transformer (Sold Separately)

1. Fix the transformer mounting kit to the fixture and tighten the screws (see Fig. 24 & 25)

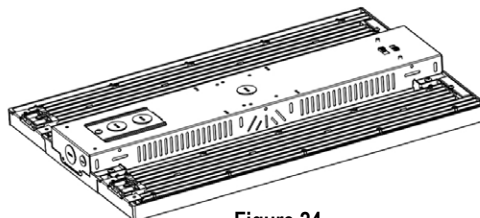


Figure 24

2. Lock the transformer on the mounting kit and tighten the screws. (see Fig. 26)

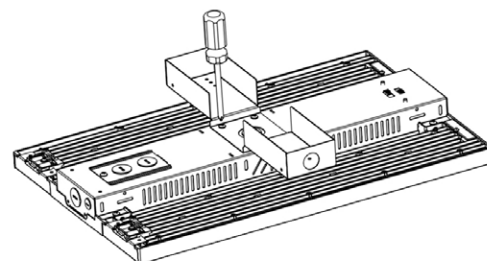


Figure 25

3. Pass the straight head through the 1/2 hole of the mounting kit and lock it with a nut (see Fig. 27)

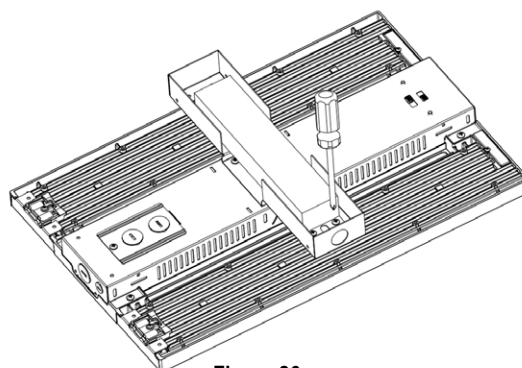


Figure 26

4. After passing the wire through the straight head and the metal hose, fix the hose on the straight head and lock it. (see Fig. 28)

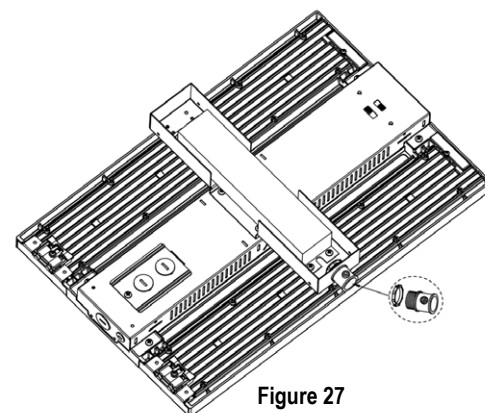


Figure 27

5. Install the transformer mounting kit cover on the mounting kit and tighten the screws. (see Fig. 29)

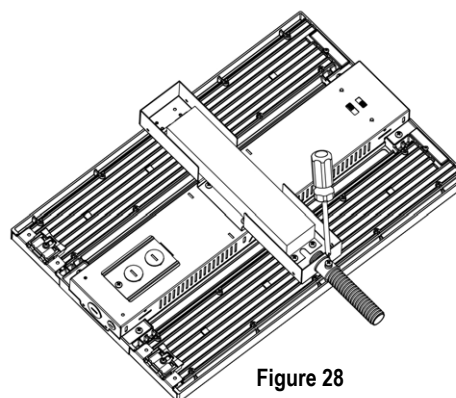


Figure 28

6. Knock out 1/2 hole of the cover plate, pass the hose through the elbow, and lock it on the cover plate. (see Fig. 30)

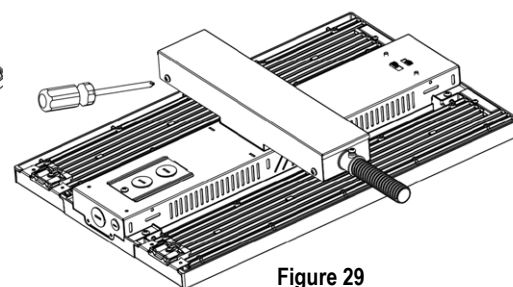


Figure 29

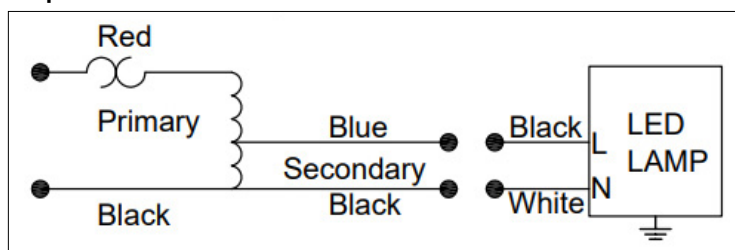
Wiring requirements

Please see the transformer wiring diagram below.

NOTES:

1. The installation holes are shared with the AC emergency installation holes;
2. The emergency and transformer cannot be installed at the same time.

Stepdown Autotransformer



Use with grounded 480V systems only.

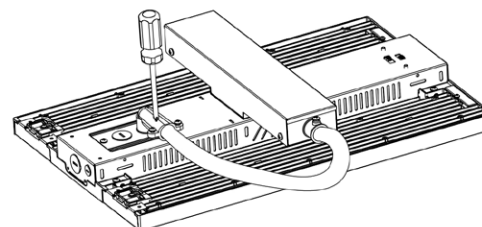


Figure 30

MaxLite® LED Linear Highbay



Warranty Information

MaxLite Inc. warrants its products for a minimum period of **TEN (10)** years from the date of original purchase from MaxLite or its authorized distributor/dealer (the "Warranty Period"), as follows: If a Product fails to operate during the Warranty Period as a result of defects in materials or workmanship, MaxLite will, at its option, repair it, replace it with the same or like Product.

Please refer to Maxlite's website ([at https://maxlite.com/resources/warranties](https://maxlite.com/resources/warranties)) for the complete terms and conditions of our warranty. Please note that it is NOT a requirement to register your warranty in order to initiate a warranty claim unless a Ten Year warranty has been purchased separately, or when applicable and/or purchased separately, your warranty contains a replacement labor allowance.

Limitation of Liability

THE FOREGOING WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF MAXLITE SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL MAXLITE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, DECREASE IN THE LIGHT OUTPUT OF THE LAMP, AND/OR DETERIORATION IN THE LAMP'S PERFORMANCE, WHETHER OR NOT MAXLITE HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL MAXLITE'S ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT. WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DO NOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; MAXLITE SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

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