



IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Disconnect product and allow cooling prior to servicing.
- To prevent product malfunction and/or electrical shock, this product must be properly grounded.
- Do not mount near gas or electrical heaters.
- This luminaire is designed to operate in ambient temperatures ranging from -40°C to 50°C and to be horizontally mounted with the LED's facing downward.
- Min 75°C supply conductors.
- This product is not available for several special environments, such as places with corrosive gas liquids or high pressure water vapor.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS!

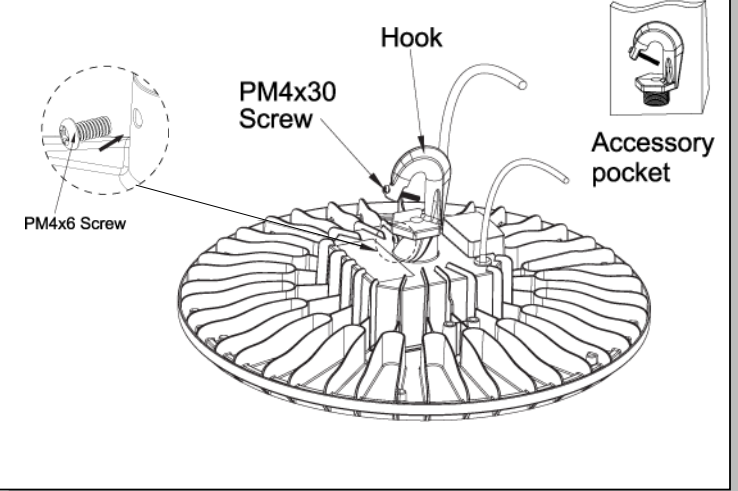
Technical Support ■ (623) 580-8943 ■ technicalsupport@barronltg.com

Installation

Hook Mount Installation (Fig. 1)

1. Tighten the hook into the 3/4 NPS screw hole of the fixture.
2. Tighten the PM4x6 screw towards the bottom of the hook.
3. Make electrical connections; see **Electrical Connections** sections.

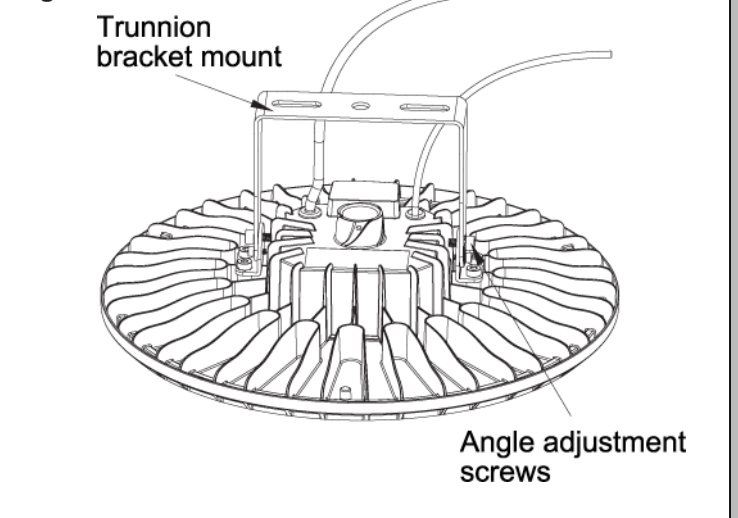
Fig. 1



Trunnion Mount Installation (Fig. 2) (Optional)

1. Secure the mounting bracket to the fixture with the hardware.
2. Adjust the mounting bracket to the desired angle. Lock using the angle adjustment screw.
3. Make electrical connections; see **Electrical Connections** sections.

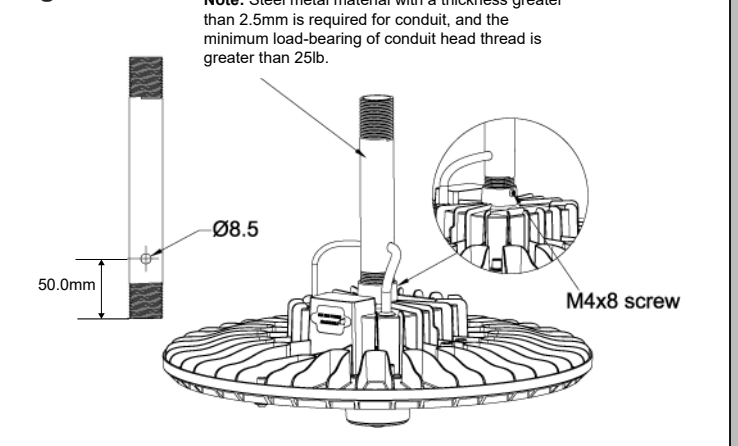
Fig. 2



Pendant Mount Installation with 3/4" Conduit (by others) (Fig. 3) (Optional)

1. Drill holes about 50mm from the bottom of the 3/4" tube, with a hole diameter of 8-9mm.
2. In order to avoid winding problems when twisting the steel pipe, wind the input and dimming lines counterclockwise before inserting into conduit about 7-8 times.
3. Twist the steel pipe into the fixture. Lock the M4x8 screw to prevent loosening.
4. Make electrical connections; see **Electrical Connections** sections.

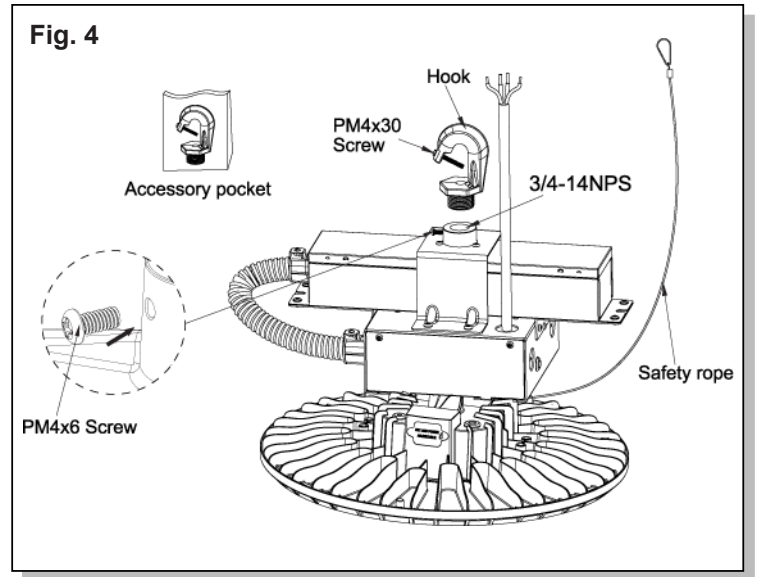
Fig. 3



Installation, Continued

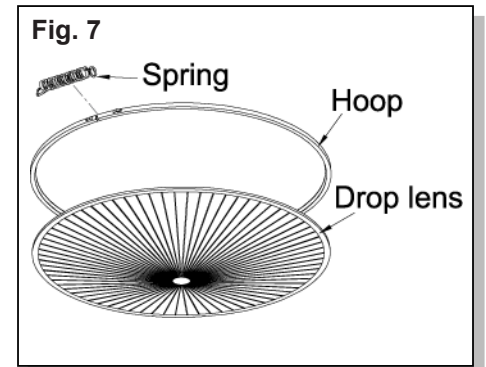
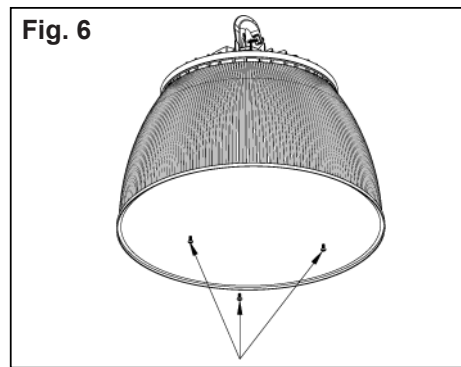
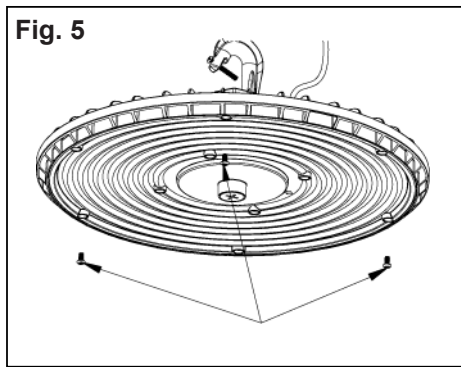
Emergency Power Installation (Fig.4) (Optional)

1. Secure the safety rope lanyard. Tighten the hook into the 3/4-14 NPS hole on the fixture.
2. Tighten the PM4x6 screw towards bottom of the hook to secure in place.
3. Make electrical connections; see **Electrical Connections** sections.



Reflector/Refractor Installation (Optional)

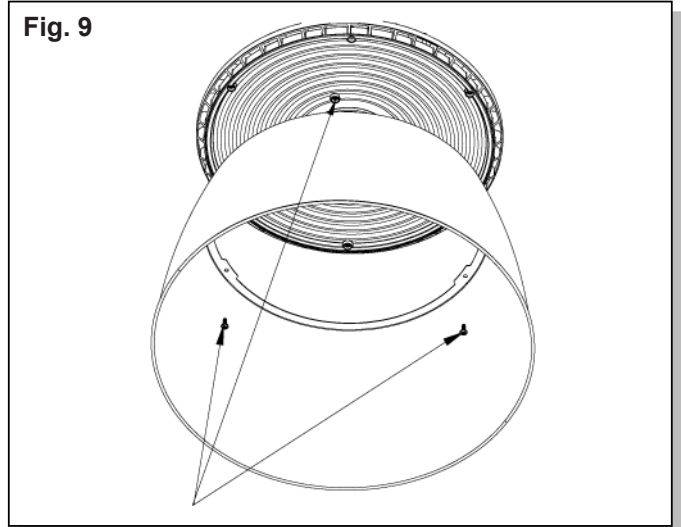
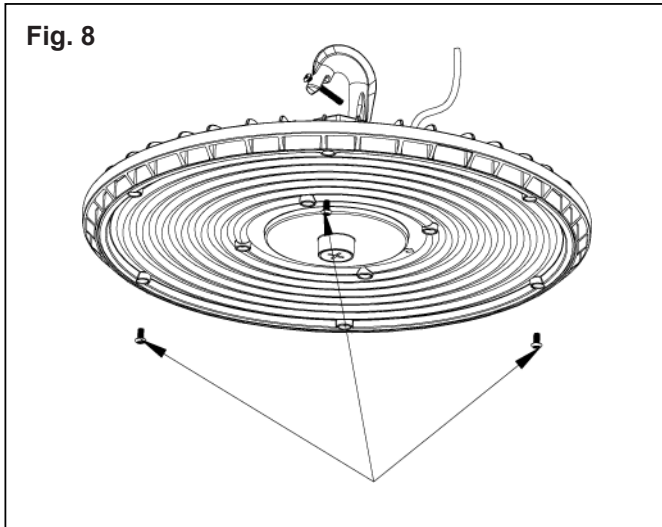
1. Remove the three 120 degree screws from the lens (Fig. 5).
2. Secure the PC reflector using the three PWM4x18 screws provided in the accessory kit (Fig. 6).
3. After installing the reflector to the fixture, add the lens cover or drop lens onto the bottom of the reflector by aligning edges of the lens to the reflector lip. Wrap the metal alignment hoop around both lens and reflector edges. Use pliers to clamp the spring shut and turn the fastener on the clamp to tighten the hoop and secure the lens to the reflector. The lens cover can only be installed on the reflector. The lens cover cannot be directly installed on the fixture (Fig. 7).



Installation, Continued

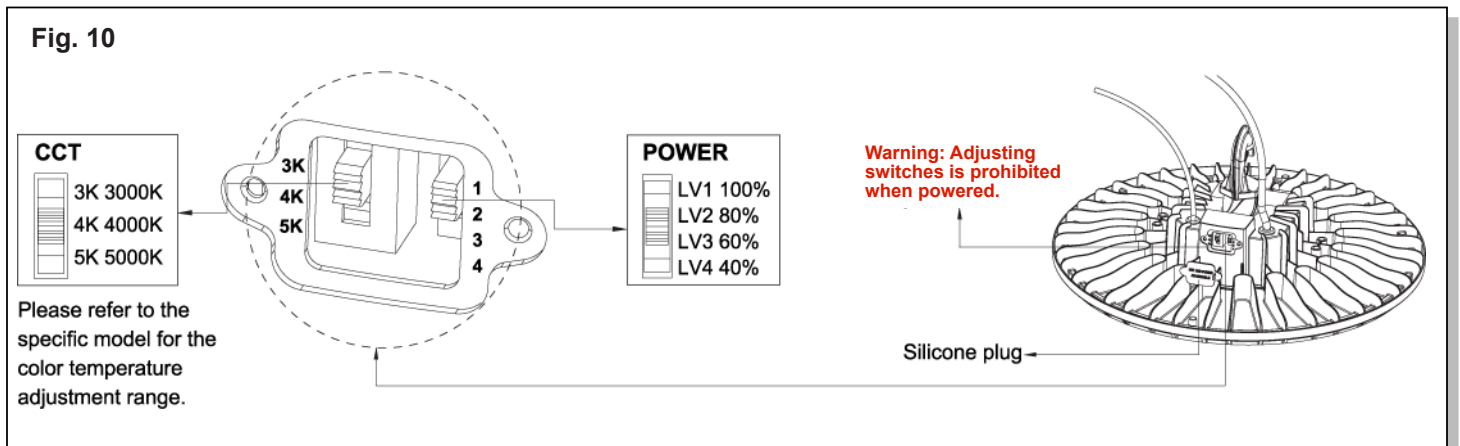
Aluminum Reflector Installation (Optional)

1. Remove the three 120 degree screws on the lens (Fig. 8).
2. Use the three PWM4x14 screws provided in the accessory kit to secure the AL reflector (Fig. 9).



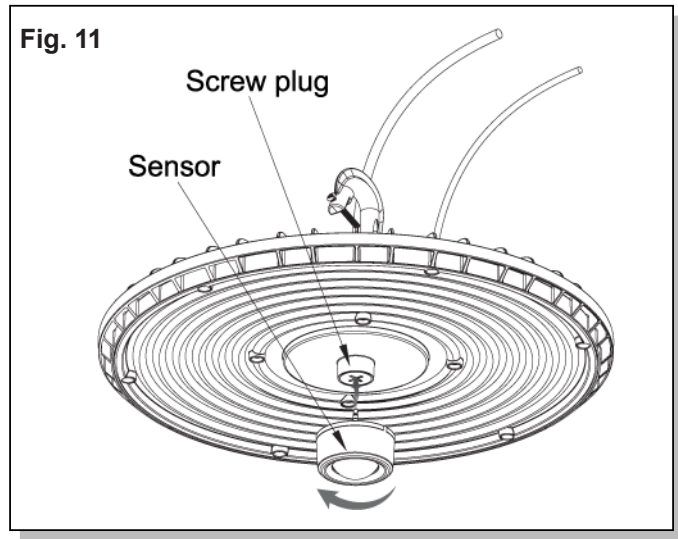
Power and CCT Selectable Version (Optional)

1. Open the silicone plug of the fixture, select the appropriate power and color temperature by sliding the dip switch. Reinstall the silicone plug (Fig. 10).



Motion Sensor Information and Operation

1. Inspect the engagement slot on the motion sensor.
Depending on the sensor version, the lens may engage “counterclockwise.” Place the lens over the sensor, then rotate the lens approximately 1/4 turn in the proper direction until fully engaged. Do not use excessive force.
2. The motion sensor has DIP switches set at the manufacturer’s default settings. The default DIP switch settings are listed in the motion sensor DIP switch settings diagram on the spec sheet. The motion sensor DIP switches are only accessible from within the housing.
3. The motion sensor settings can be overridden by the remote control/configuration accessory, sold separately (TL-MSSW-REMOTE).
Full motion sensor instructions are on the Barron Lighting Group website.



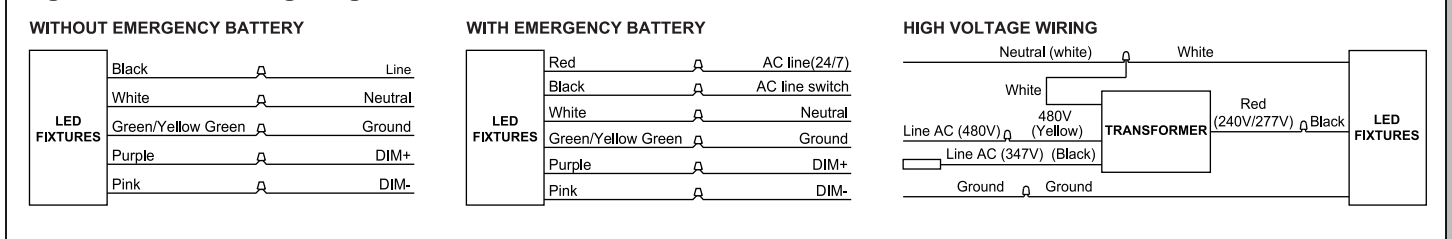
4. When installing the sensor, remove the screw plug of the fixture, insert the sensor and tighten it clockwise (Fig. 11).
Note: When the emergency function and sensor are used at the same time, the sensor’s stand-by time is less than 90 minutes. The sensor’s stand-by time prevails. To prepare the emergency for 90 minutes, set the sensor’s stand-by time to more than 90 minutes.

Electrical Connections

Make electrical connections per the Wiring Diagram (Fig.12).

- a. Connect the line fixture lead to the black supply lead.
- b. Connect the common fixture lead to the white supply lead.
- c. Connect the ground lead from the service to the ground lead coming from the driver plate.

Fig. 12 – RSHL Wiring Diagram



Note: Cap unused leads to prevent shorting. This fixture auto adjusts for voltages between 120VAC-277VAC. The fixture comes supplied with a 3 conductor cord for line, common, and ground. Conductors are not provided for dimming.

Electrical Connections, Continued High Voltage Wiring (Fig. 13)

1. Twist the transformer junction box into the fixture, then fix it with PM4x8 screws to prevent loosening.
2. Open the side cover of the junction box, thread the input wire and the external input wire into the junction box. Connect the wire according to the wiring diagram, and cover the side cover.

Troubleshooting

If the unit does not turn "ON":

1. Check the incoming voltage to the LED driver. On the Switch/Un-switch line, it must be a minimum of 120VAC and no greater than 277VAC.
2. Are all LEDs on the light engine "OFF"? If so, the LED driver may be defective. Using a voltmeter, check to see if voltage is present at the output of the power supply. If low or no voltage is found, replace the power supply.
3. If any individual LEDs are "OFF" the LED light engine may be defective. Please have the serial number of the light engine available when you contact technical support.

Fig. 13

