

## WARNINGS



### RISK OF FIRE, ELECTRICAL SHOCK, CUTS OR OTHER CASUALTY HAZARDS

Installation and maintenance of this product must be performed by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved.

### RISK OF FIRE AND ELECTRIC SHOCK

Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.

### RISK OF FIRE

Refer to product label for specific minimum supply conductor requirements.

### RISK OF BURN

Disconnect power and allow fixture to cool before handling or servicing.

### RISK OF PERSONAL INJURY

Fixture may become damaged and/or unstable if not installed properly.

**DISCLAIMER OF LIABILITY:** CSC LED assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

**ATTENTION RECEIVING DEPARTMENT:** Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packing must be retained.

**NOTICE:** Green ground wire provided in proper location. Do not relocate.

**SAFETY:** This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to insure personal safety. Carefully observe grounding procedure under installation section.

**APPLICATIONS:** This lighting fixture is designed for outdoor lighting services, and should not be used in area of limited ventilation or inside high ambient temperature enclosures. It must be stored in a dry location prior to installation. Do not expose lighting fixture to rain, dust or other environmental conditions prior to installation and insertion of photo control or shorting cap (if so equipped). Best results will be obtained if installed and maintained according to the following recommendations.

**MAINTENANCE:** The luminaire needs to be powered off and must be cool to the touch before maintenance. Clean the lens with a non-abrasive glass cleaning solution. Use a wet or dry cloth to wipe the lens and the debris from the luminaire body. Arrange maintenance according to the level of debris accumulation.

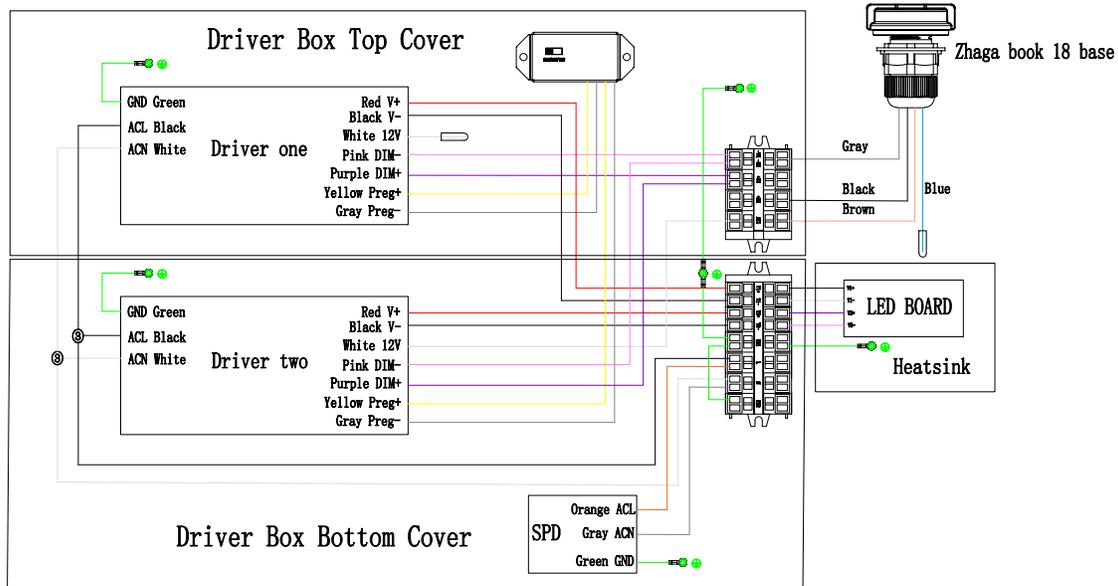
**TORQUE RECOMMENDATIONS:** In the following installation instructions, there will be torque recommendations and wrench sizes (given in mm). They will appear alongside figure drawings, example markings below:



Failure to follow these torque recommendations may result in improper installation, component damage, or fixture failure and will void product warranty.

## WIRING DIAGRAM

1. Use external cord to connect to power.
  - a. Line to line (black to black).
  - b. Neutral to neutral (white to white).
  - c. Ground to ground (green to green).
2. Refer to below wiring diagram.



## WATTAGE SELECTION

1. Use wattage selection switch to select desired power (Fig. 1).

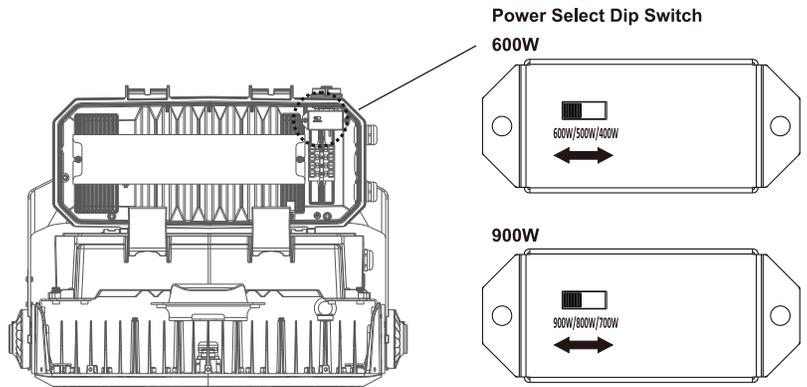


Fig. 1

## YOKE MOUNT INSTALLATION

1. If required, drill holes into the mounting surface. Refer to yoke mounting hole diagram (Fig. 2).
2. Use center screw and angle adjustment screw to set the mounting angle (Fig. 3).
3. Secure the yoke to the mounting surface using the necessary hardware (not provided), see Fig. 4 for details. Two mounting points are recommended.
4. Loosen the angle adjustment bolt on the side of the yoke mount (Fig. 5) to set the fixture to the desired angle. Re-tighten to secure.

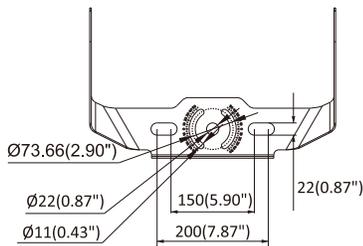


Fig. 2

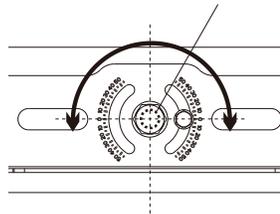


Fig. 3

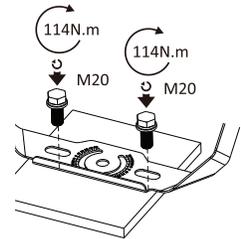
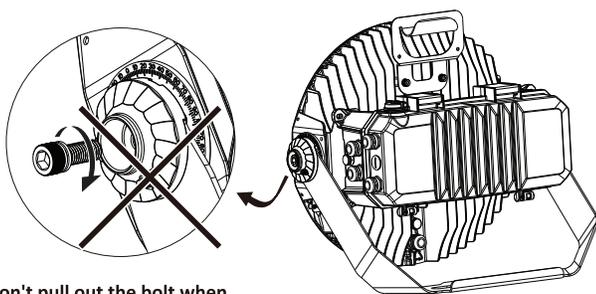


Fig. 4



Don't pull out the bolt when you rotate the luminaire

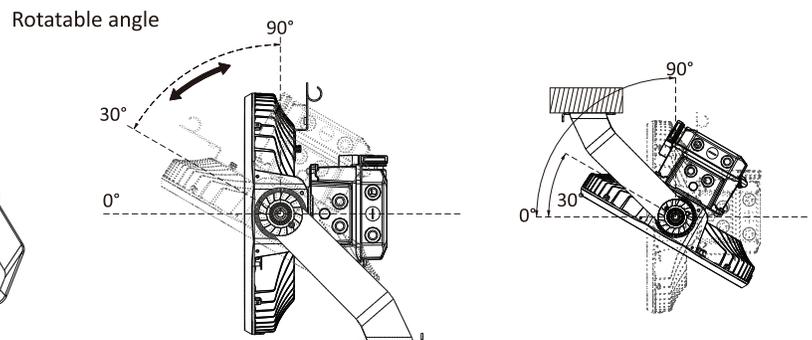


Fig. 5

## VISOR INSTALLATION

1. Slide visor into place and secure with provided mounting screws (Fig. 6).
2. To extend visor, loosen visor screws as seen in Fig. 7, then re-tighten at desired length.

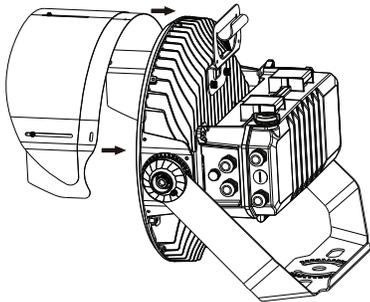


Fig. 6

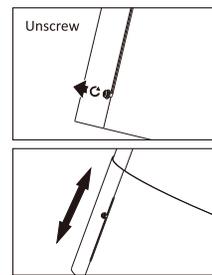
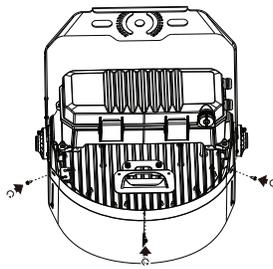
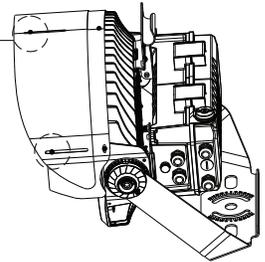


Fig. 7



## LASER INSTALLATION

1. Loosen the screws as seen in Fig. 8 slightly to detach and re-attach laser to laser mounting bracket.
2. Locate the laser mounting holes on the fixture as seen in Fig. 9. Use the magnets on the laser mounting bracket to mount.

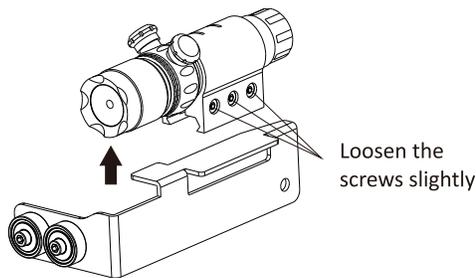


Fig. 8

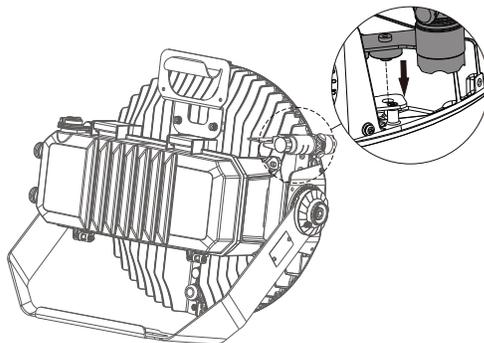


Fig. 9

### LASER MOUNTING POSITION



## CLAMP MOUNT INSTALLATION

1. Loosen and remove the clamp mount mounting bolts (Fig. 10).
2. If mounting fixture upside down, rotate the yoke mount bracket into correct position (Fig. 11).
3. Secure the clamp mount to the yoke mount with the provided bolt and nut (Fig. 12).
4. Slide clamp mount on to beam, then secure with the provided bolt and nut (Fig. 13).

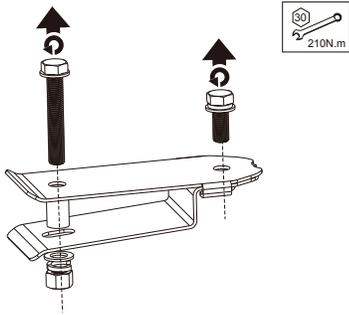


Fig. 10

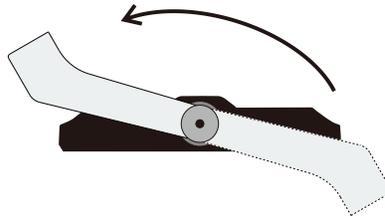


Fig. 11

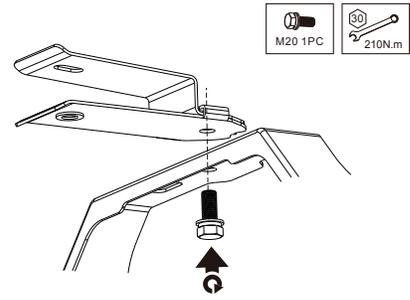


Fig. 12

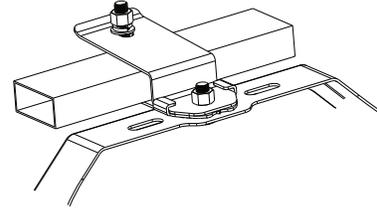
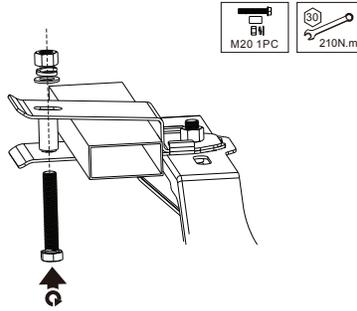
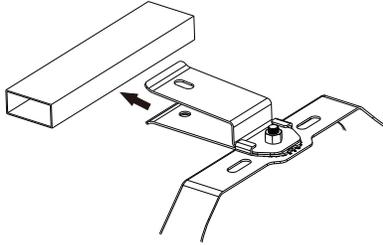


Fig. 13

## SLIP FITTER MOUNT INSTALLATION

1. Remove provided slip fitter mounting bolt (Fig. 14).
2. Secure yoke mount to the slip fitter by inserting the mounting bolt through the centre of the yoke mount. Tighten to secure (Fig. 15).
3. Insert external power cord into the cable gland located on the slip fitter (Fig. 16). Make wiring connections (refer to wiring diagram on page 1).
4. Secure slip fitter to pole by tightening all set screws (Fig. 17).

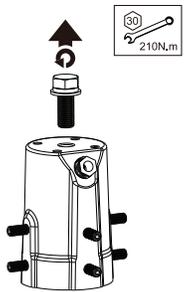


Fig. 14

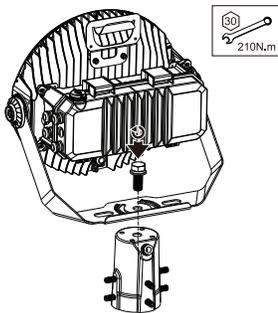


Fig. 15

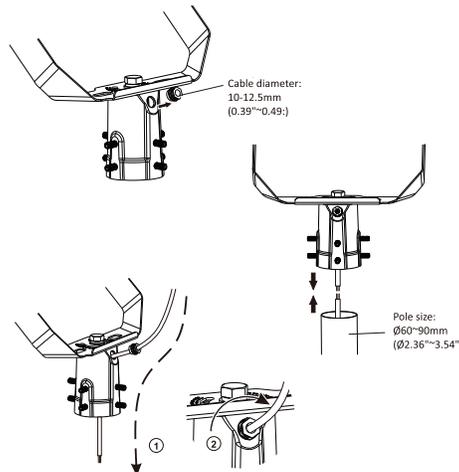


Fig. 16

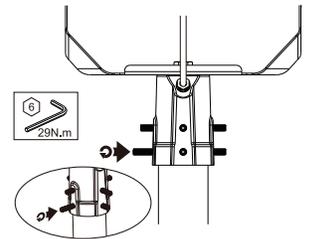


Fig. 17

## EYEBOLT MOUNT INSTALLATION

1. Remove yoke mount bolts on each side (Fig. 18).
2. Secure eyebolt to multi-mount bracket using the provided screws (Fig. 19).
3. Secure multi-mount bracket to fixture by re-attaching yoke mount plates on each side of the fixture (Fig. 20).
4. Attach eyebolt to hook (not provided, Fig. 21).

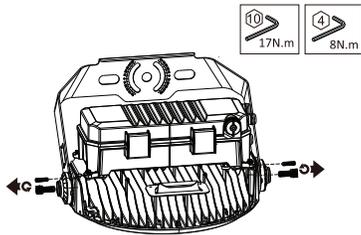


Fig. 18

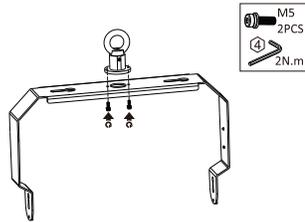


Fig. 19

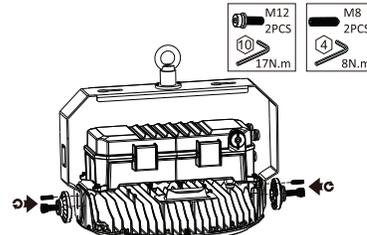


Fig. 20

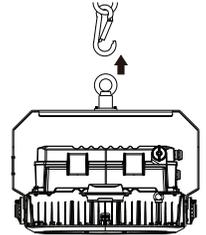


Fig. 21

## REMOTE DRIVER INSTALLATION

### 1. Driver box on pole installation:

- 1.1. Detach driver box from fixture by removing the mounting screws.
- 1.2. Disconnect the output cord that goes from the driver box to the fixture head by twisting and unplugging (Fig. 22).
- 1.3. Secure driver box to remote driver mounting plate (Fig. 23).
- 1.4. Insert pole bands into both remote driver mounting plates (Fig. 24).
- 1.5. Attach pole bands to pole and tighten with clasp (Fig. 25).
- 1.6. Connect extension cord from the driver box to the fixture head (Fig. 26).

### 2. Driver box in cabinet installation:

- 2.1. Detach driver box from fixture by removing the mounting screws.
- 2.2. Disconnect the output cord that goes from the driver box to the fixture head by twisting and unplugging (Fig. 22).
- 2.3. Mount driver box in cabinet (Fig. 27).
- 2.4. Connect extension cord from the driver box to the fixture head (Fig. 26).

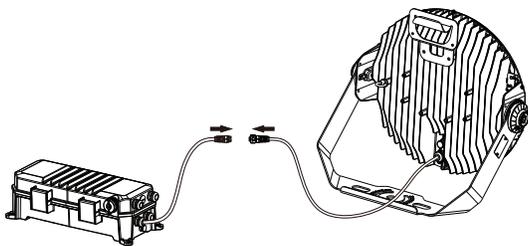


Fig. 22

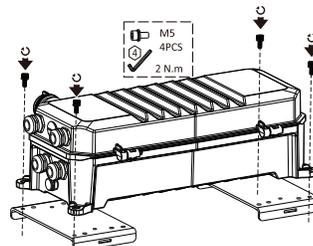


Fig. 23

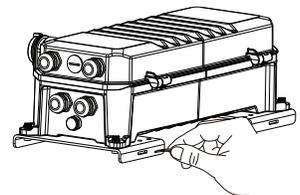


Fig. 24

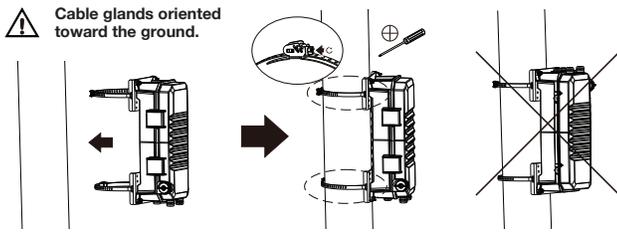


Fig. 25

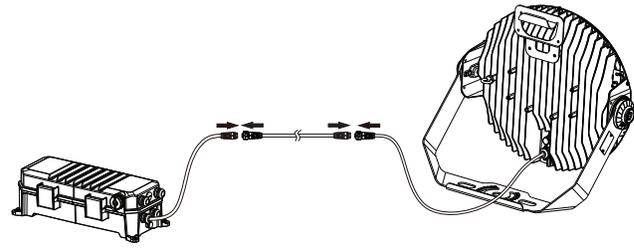
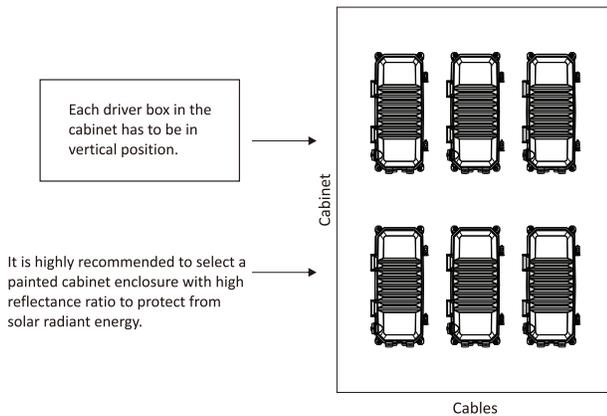


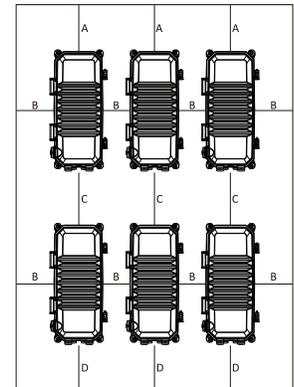
Fig. 26



The distances between driver boxes or wall have to be higher than:

ITEM	DISTANCE
A	Min 80 mm
B	Min 80 mm
C	Min 120 mm
D	Min 150 mm

If you cannot follow the instructions, a thermal study must be done in order to respect Tc of the drivers below Tc max, Tc of the driver must be checked.



**Note: If cabinet internal temperatures exceed 45°C, an external cooling system is required.**

Fig. 27

## SURFACE MOUNT INSTALLATION

1. Remove yoke mount bolts on each side (Fig. 28)
2. Secure multi-mount bracket to fixture by re-attaching yoke mount plates on each side of the fixture (Fig. 29).
3. Mount multi-mount bracket to surface using necessary hardware (not provided). Refer to hole mounting pattern (Fig. 30).

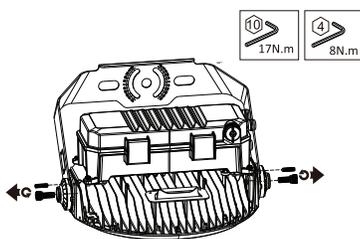


Fig. 28

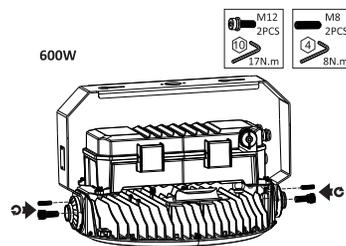


Fig. 29

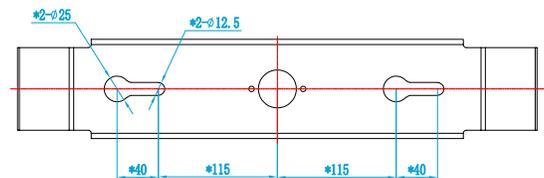


Fig. 30

## PENDANT MOUNT INSTALLATION

1. Remove yoke mount bolts on each side (Fig. 31).
2. Secure multi-mount bracket to fixture by re-attaching yoke mount plates on each side of the fixture (Fig. 32).
3. Secure pendant mount to multi-mount bracket using the provided screws (Fig. 33).
4. Screw pendant mount to  $\frac{3}{4}$ " conduit (not provided, Fig. 34).
5. Secure pendant mount to conduit by screwing in set screw (Fig. 35).

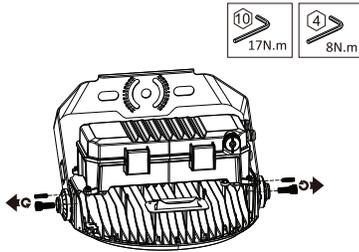


Fig. 31

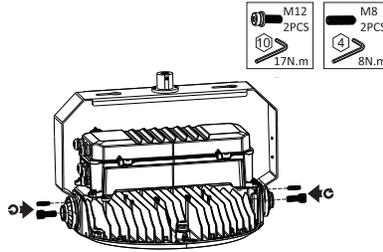


Fig. 32

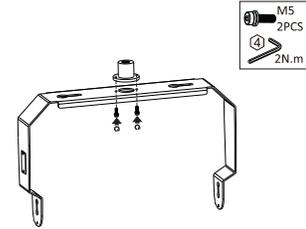


Fig. 33

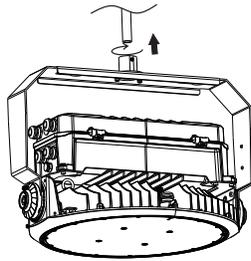


Fig. 34

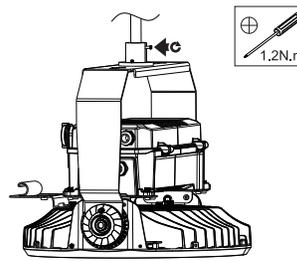


Fig. 35

## SAFETY CABLE INSTALLATION

1. Feed the safety cable under the driver box and wrap around the yoke mount so that it's secure to the mounting surface (Fig. 36).

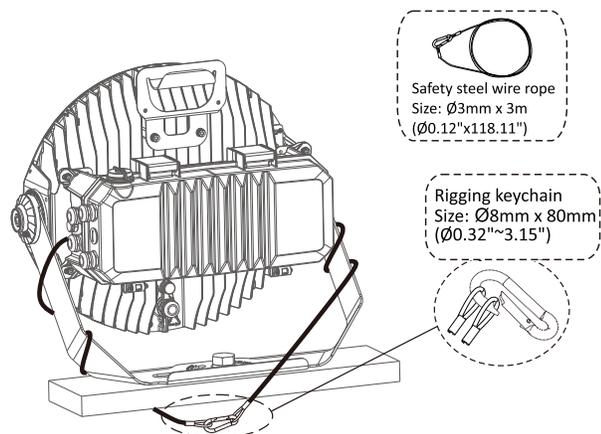


Fig. 36

## SENSOR INSTALLATION

1. Remove sealing cap from socket by untwisting (Fig. 37).
2. Twist on sensor (Fig. 38).

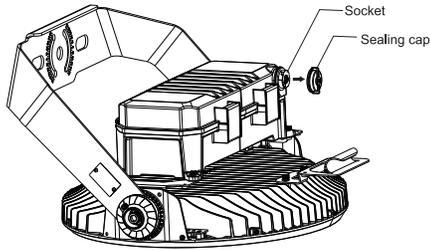


Fig. 37

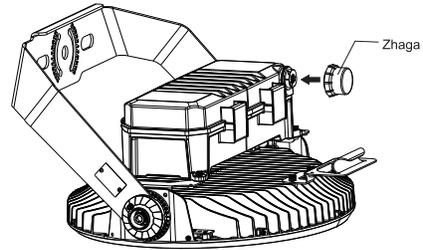


Fig. 38