

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.

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

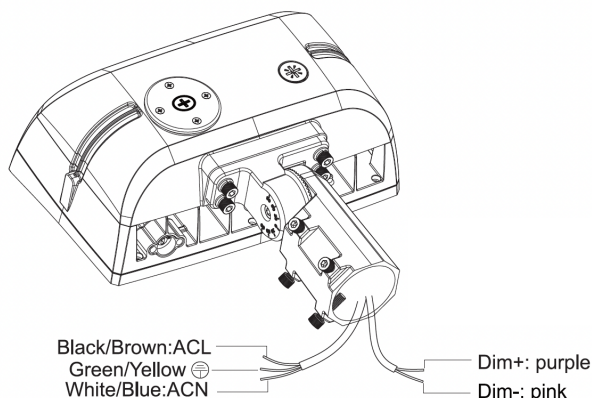
SAFETY: This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to insure personal safety. Carefully observe grounding procedure under installation section.

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.

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.

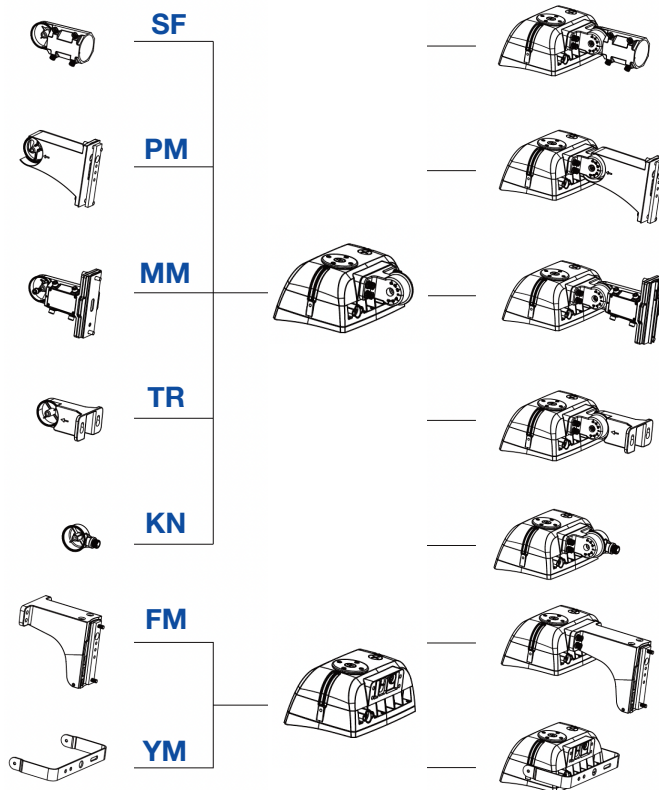
WIRING DIAGRAM



MOUNTING BRACKET INSTALLATION

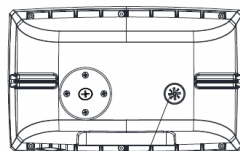
The luminaire comes complete with a Ratchet Arm. There are 7 different mounts available, sold separately.

NOTE: The Ratchet Arm must be removed for the installation of the Fixed Mount and Yoke Mount.

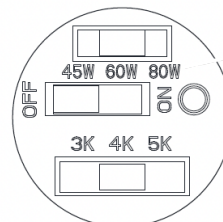


POWER, CCT AND PHOTOCELL SELECTIONS

Using a screwdriver, unscrew the 1/2" knockout plug. Select your desired power and colour temperature using the power and CCT selector switches. Set the photocell switch to ON or OFF as required.

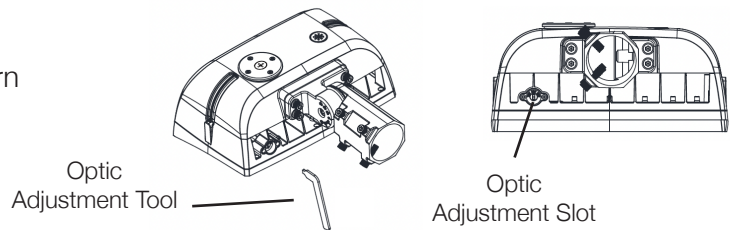


1/2" Knockout Plug



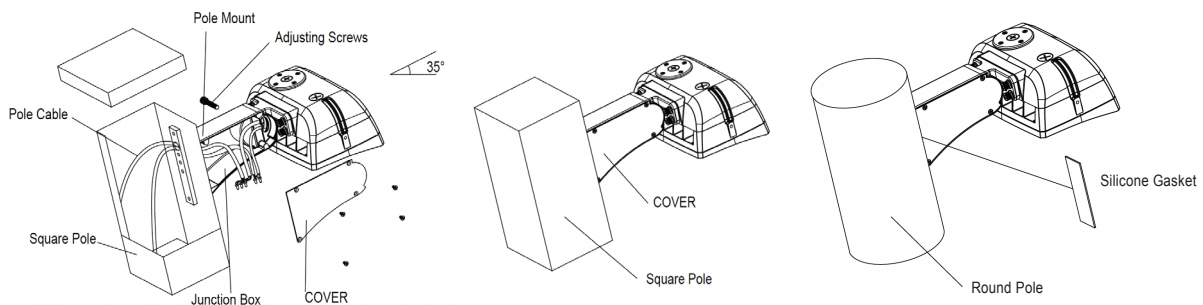
OPTIC ANGLE ADJUSTMENT

1. Using the provided optic angle adjustment tool, turn the slot on the bottom of the fixture to adjust the optic angle to 7H6V, 6H6V, or 5H5V.



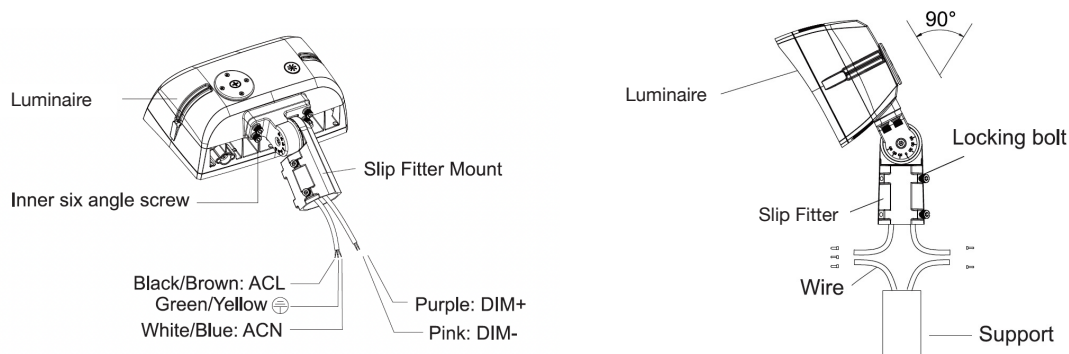
A. POLE MOUNT INSTALLATION

1. Remove the base of the Pole Mount and use the base as a template for the hole separation. Drill two (2) 10mm holes into the pole and another hole in the middle for the wires.
2. Attach the Pole Mount to the pole using the supplied bracket bar by sliding it into the pole, then secure with the two (2) supplied 8mm Allen bolts. **NOTE:** If the pole is round, you must remove the inner round silicone gasket. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
3. Attach the luminaire to the Pole Mount with the supplied 8mm Allen bolt in the centre of the angle adjustment knuckle. The desired angle is set using the same bolt. Angles for this mount can be set between 0° and 35°. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
4. Loosen the four (4) Phillips screws of the Pole Mount junction cover and remove the cover.
5. Wire according to wiring diagram (pg.1).
6. Put the Pole Mount junction cover back in place and tighten the four (4) Phillips screws.



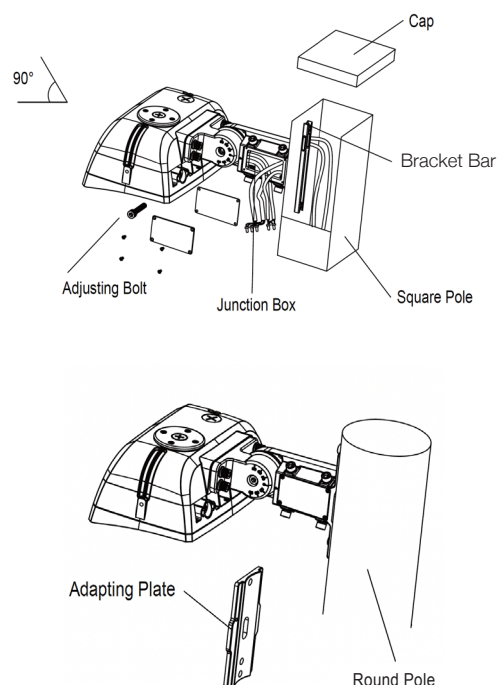
B. SLIP FITTER

1. Loosen the four (4) 8mm locking bolts on the Slip Fitter.
2. Route the wire leads through the Slip Fitter and attach the luminaire to the Slip Fitter with the supplied 8mm Allen bolt in the centre of the angle adjustment knuckle. The desired angle is set using the same bolt. Angles for this mount can be set between 0° and 90°. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
3. Wire according to wiring diagram (pg.1).
4. Slide the mount onto the pole and tighten the four (4) 8mm Allen locking bolts. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**



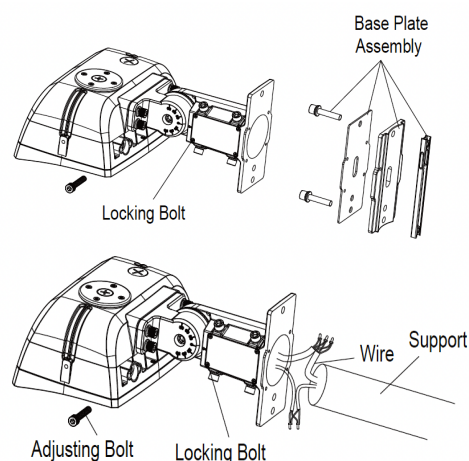
C. MULTI MOUNT INSTALLATION AS A POLE MOUNT

1. Remove the bracket bar by loosening the two (2) 8mm Allen bolts. Use the base of the Multi Mount as a template for the hole separation, drill two (2) 10mm holes and a hole in the middle for the wires.
2. Attach the Multi Mount to the pole using the supplied bracket bar by sliding it into the pole, then secure with the two (2) supplied 8mm Allen bolts. **NOTE:** If the pole is round, the supplied adapting plate must be used. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
3. Attach the luminaire to the Multi Mount with the supplied 8mm Allen bolt in the centre of the angle adjustment knuckle. The desired angle is set using the same bolt. Angles for this mount can be set between 0° and 90°. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
4. Loosen the four (4) Phillips screws of the Multi Mount junction cover and remove the cover.
5. Wire according to wiring diagram (pg.1).
6. Put the Multi Mount junction cover back in place and tighten the four (4) Phillips screws.



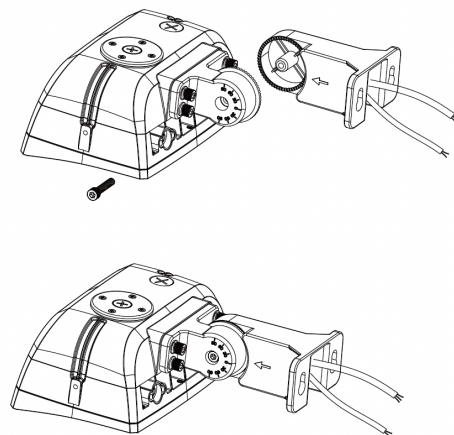
D. MULTI MOUNT INSTALLATION AS A SLIP FITTER

1. Remove and discard the entire base plate assembly by loosening the two (2) Allen bolts and the two (2) Phillips screws.
2. Route the wire leads through the Multi Mount and attach the luminaire to the Multi Mount with the supplied 8mm Allen bolt in the centre of the angle adjustment knuckle. The desired angle is set using the same bolt. Angles for this mount can be set between 0° and 90°. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
3. Wire according to wiring diagram (pg.1).
4. Attach the mount onto the pole and tighten the four (4) included 8mm Allen bolts. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**



E. TRUNNION MOUNT INSTALLATION

1. Using the base of the Trunnion Mount as a template for the hole separation, drill two (2) 10mm holes into the surface that the luminaire is being attached to.
2. Route the wire leads through the Trunnion Mount and attach the luminaire to the Trunnion Mount with the supplied 8mm Allen bolt in the centre of the angle adjustment knuckle. The desired angle is set using the same bolt. Angles for this mount can be set between 0° and 90°. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
3. Slide the supplied M8x60 expanding bolts through the Trunnion Mounting holes and into the pre-drilled holes and tighten until fully secured. **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
4. Wire according to wiring diagram (pg.1).



F. FIXED MOUNT INSTALLATION

1. Drill two (2) 10mm holes into the surface that the luminaire is being attached to.
2. Slide Part B out of the fixed mount assembly and affix it to the pole with two (2) 8mm Allen bolts. **NOTE:** If the pole is round, you must remove the inner round silicone gasket (Fig. 1 and Fig. 2). **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
3. Remove and discard the ratchet arm by loosening the two (2) 8mm bolts that connect the mount to the bottom of the luminaire.
4. Route the wire leads through the Fixed Mount Part A and attach the luminaire to the Mount with the four (4) 8mm Allen bolts. (Fig. 3) **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**
5. Wire according to wiring diagram (pg.1).
6. Insert Part A into Part B and lock with two (2) 8mm Allen bolts. Close the arm cover (Fig. 4). **Do not overtighten the bolt, the recommended torque value is 4.5 Nm (40 in/lbs).**

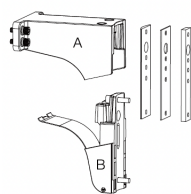


Fig. 1

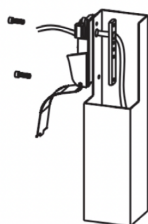


Fig. 2

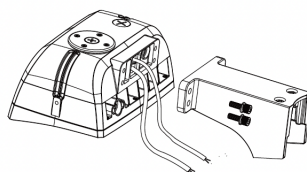


Fig. 3

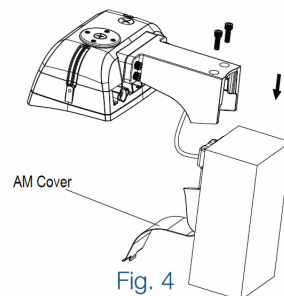


Fig. 4

G. YOKE MOUNT INSTALLATION

1. Remove and discard the ratchet arm by loosening the two (2) 8mm bolts that connect the mount to the bottom of the luminaire.
2. Using the base of the Yoke Mount as a template for the hole separation, drill at least two holes into the surface that the luminaire is being attached to (hardware not included).
3. Attach the luminaire to the Yoke Mount using the supplied 8mm Allen bolts on the centering holes, and the 4mm Allen bolts on the angle adjustment holes located on the side of the luminaire. The angle adjustment bolt is also used to set the desired luminaire angle.
4. Attach the Yoke Mount to the installation surface using appropriate customer-supplied hardware.
5. Wire according to wiring diagram (pg.1).

H. THREADED KNUCKLE INSTALLATION

1. Align the rubber gasket to the Knuckle Mount. Use a cable jacket stripper to remove the jacket from the power and dimming cords. Pull the wires through the hole of the bottom part of the Knuckle Mount (Fig. 1.1). Do not pinch the wires.
2. Connect both parts of the Knuckle Mount using the bolt provided (Fig. 1.2).
3. Wire according to wiring diagram (pg.1).
4. Loosen the bolt and adjust the Knuckle Mount angle as desired, then tighten the bolt to lock into place (Fig.1.3).
5. Pass threads of Knuckle Mount through mounting surface and secure with lock nut (Fig 1.4).

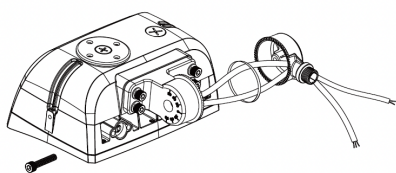


Fig 1.1

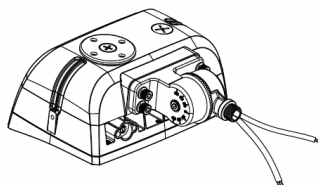


Fig 1.2

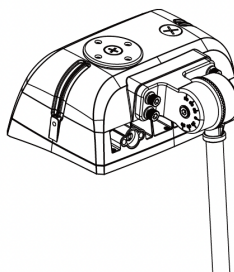


Fig 1.3

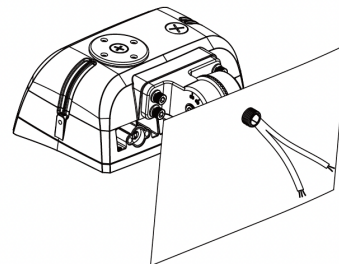


Fig 1.4

PHOTOCELL INSTALLATION

The photocell (JL-205LV or JL-207E) is installed on the back of the luminaire. Remove the circular backplate screws to access the wires. Connect the wires according to the wiring diagram (Fig. 2.1). When the photocell function is not required, the photocell can be removed but a shorting cap (JL-208) will need to be installed.

NOTE: The receptacle (JL-200), photocell (JL-205LV or JL-207E) and shorting cap (JL-208) are sold separately.

IMPORTANT: Surge Suppressor not included on FLF-80W-3P-3CCT-3B-UD-BK/BZ. External Surge Suppressor can be purchased separately (SPD07-10MV). If not using SPD07-10MV, connect the red wire directly from the photocell to the black input wire of the LED driver.

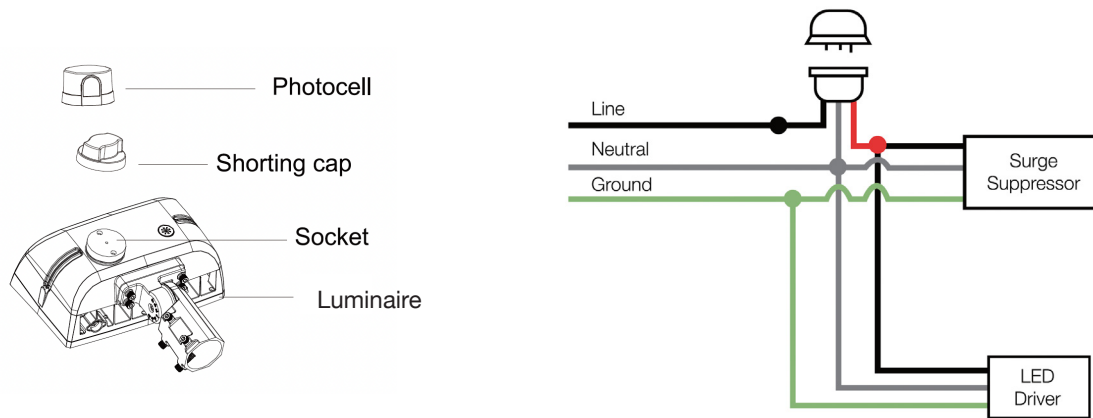


Fig 2.1

STEM-MOUNT PHOTOCELL INSTALLATION

1. Remove the circular backplate screws to access the wires.
2. Remove the 1/2" knockout plug and screw in stem-mount photocell until tight.
3. Connect the wires according to the wiring diagram (Fig.2.1). Re-attach circular backplate to back of fixture.

