# AL(X) Series Area Lights

**READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY TO ENSURE PROPER AND SAFE INSTALLATION**

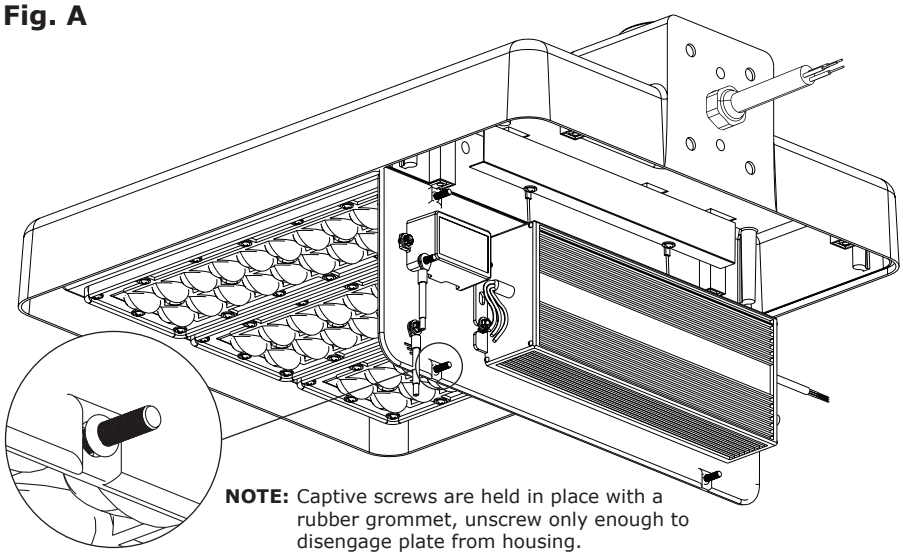
1. **WARNING:** Risk of fire or electrical shock.
2. **WARNING:** Disconnect power before installing or servicing.
3. **WARNING:** All wiring to be performed per National Electrical Code and local code by a qualified electrician.
4. Outdoor use only.
5. Suitable for Wet Location.

**NOTE:** Optical configuration may appear different based on specific model.

## Fixture Access

1. Loosen four captive screws from driver compartment access plate, on bottom of fixture and carefully let access plate down until it is hanging securely from aircraft cables. (Fig. A)

**Fig. A**

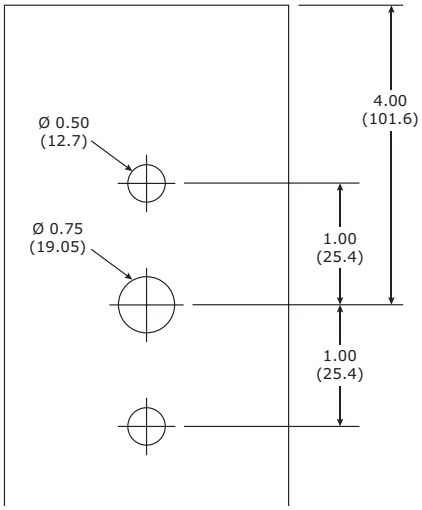


**NOTE:** Captive screws are held in place with a rubber grommet, unscrew only enough to disengage plate from housing.

## Pole Drilling Details

For pole mounted fixtures. **Fig. C**

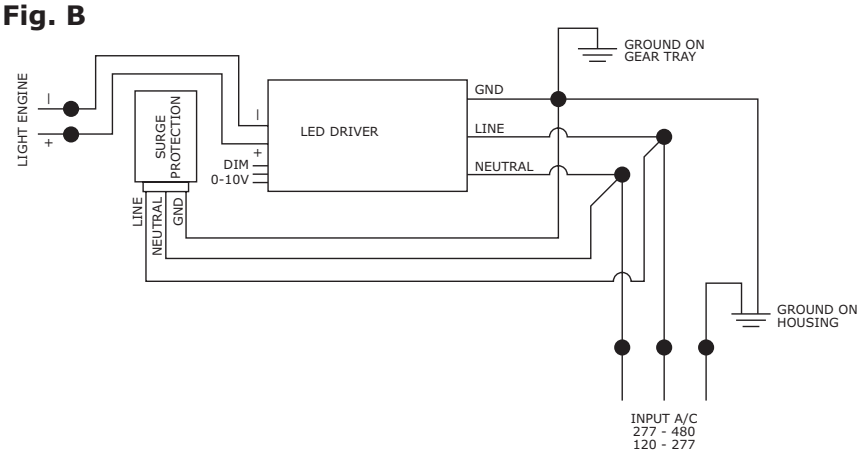
**NOTE: Drawing not to scale.**




## Wiring Instructions

1. Connect supply wires to fixture using provided wire nuts. (Fig. B)
   - 1.1. Connect ground wires to driver, surge protection and gear tray ground (green).
   - 1.2. Connect AC common wire to driver and surge protection common (white).
   - 1.3. Connect AC line wire to driver and surge protection common (black).

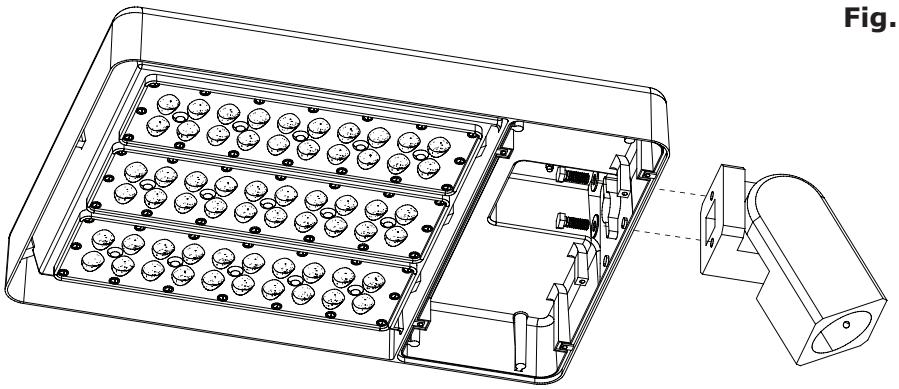
**Fig. B**



**Slipfitter Mounting Instructions (SK)**

1. Cord grip is not compatible with slipfitter mount, please remove before beginning installation.
2. Align the two holes in the slipfitter/gasket assembly with the keyhole slot in the back of the fixture. (Fig. D)
3. Secure the slipfitter to the fixture using the two 8mm bolts and lock washers supplied. Tighten bolts to 175 in-lbs (20 Nm).
4. Remove the angle adjustment cover from side of slipfitter and feed supply wires through slipfitter and into fixture wiring compartment. **NOTE: Strain relief is required for electrical connections on slipfitter mounts at 25' or above. Tie a knot in the supply wires above the entry hole in the angle adjustment compartment to relieve strain on connections.**
5. Adjust slipfitter to desired angle and replace adjustment compartment gasket and cover. **NOTE: Fixture is only intended to be tilted between 0° - 90°. DO NOT use as an uplight.**
6. Connect supply wires to fixture. (Fig. B)
7. Tuck connections carefully into wiring compartment above the driver.
8. Replace access plate and secure it with provided screws. **NOTE: Be sure access plate fits properly and that no wiring interferes with the foam gasket on driver compartment perimeter.**
9. Slide lower end of slipfitter over 2.5" (63.5 mm) o.d. tenon or heavy walled pipe and secure with set screws.

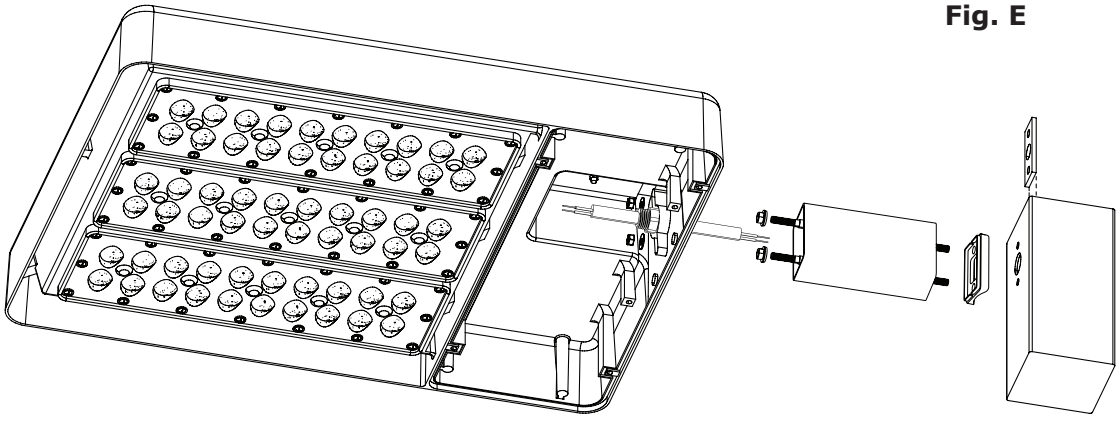
**Fig. D**



**Six Inch Arm Square or Round Pole Mounting Instructions (PA)**

1. Reference pole drilling details to prepare pole for fixture installation. (Fig. C)
2. Screw threaded rods through holes in pole into backing plate until non-threaded section of rod contacts backing plate. (Fig. E)
3. With recessed rod guides facing toward fixture, slide 6" arm onto threaded rods. Secure arm to pole using two 8mm nuts and washers provided. Tighten to 175 in-lbs (20 Nm). **For round poles, use the included adapter.**
4. Feed supply wires through pole and extrusion and into fixture wiring compartment.
5. Secure the fixture to the arm by sliding the threaded rods through the keyhole slots in rear of fixture and securing with the two 8mm nuts and lock washers provided. Tighten bolts to 175 in-lbs (20 Nm).
6. Connect supply wires to fixture. (Fig. B)
7. Tuck connections carefully into wiring compartment above the driver.
8. Replace access plate and secure it with provided screws.
   **NOTE: Be sure access plate fits properly and that no wiring interferes with the foam gasket on driver compartment**

**Fig. E**



**Universal Arm Mounting Instructions (UM)**

1. Reference universal arm mount pole drilling details to prepare pole for fixture installation. (Fig. F)
2. Ensure the foam gasket is in place in the back of the universal arm mount body and pass the 225mm threaded rod through the universal arm mount body and thread into the brace inside the pole. Insert the 35mm hex head bolt through the arm mount body and into the brace inside the pole and tighten to 175 in-lbs (25Nm). (Fig. G-1)
3. Take the shorter 204mm bolt and pass it through the arm mount body and thread it into the brace inside the pole. Slide the arm mount body cover into place over the threaded rods, align notch to prevent movement. (Fig. G-2)
4. With recessed rod guides facing toward fixture, slide 6" arm onto threaded rods. Secure arm to pole using two 8mm nuts and washers provided. Tighten to 175 in-lbs (20 Nm). (Fig. G-3)
5. Secure the fixture to the bracket by screwing the 8mm bolts and lock washers supplied through the fixture and into the threaded holes in the mount. Tighten bolts to 175 in-lbs (20 Nm). (Fig. G)
6. Connect supply wires to fixture. (Fig. B)
7. Tuck connections carefully into wiring compartment above the driver.
8. Replace access plate and secure it with provided screws.
   **NOTE: Be sure access plate fits properly and that no wiring interferes with the foam gasket on driver compartment**

**Fig. F**

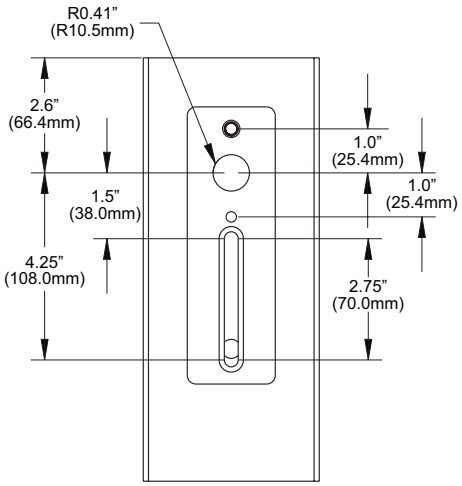



**Fig. G**

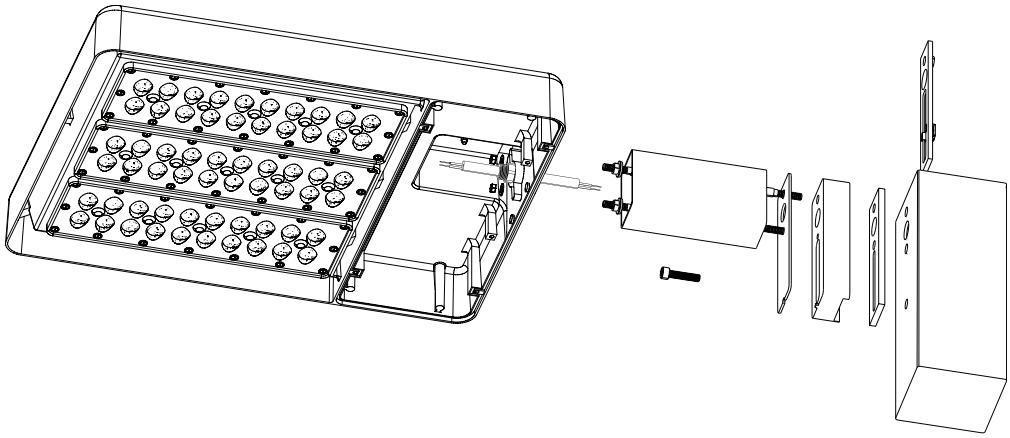


**Fig. G-1**

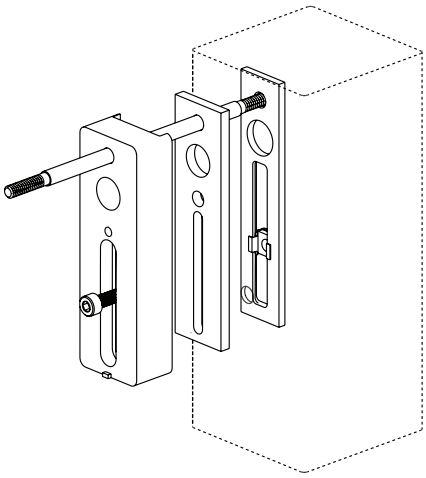


**Fig. G-2**

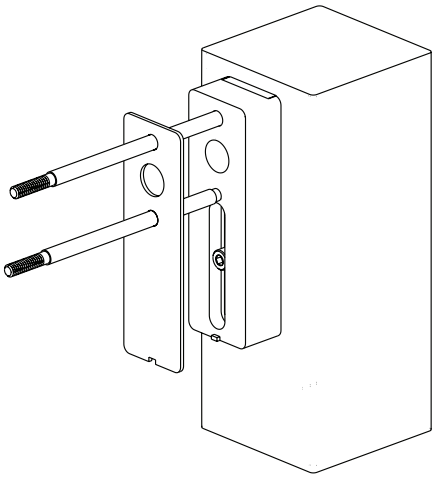
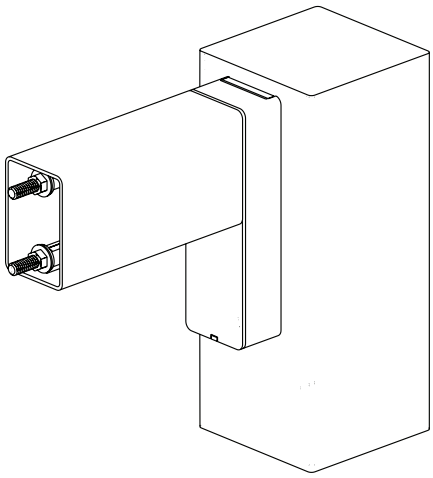


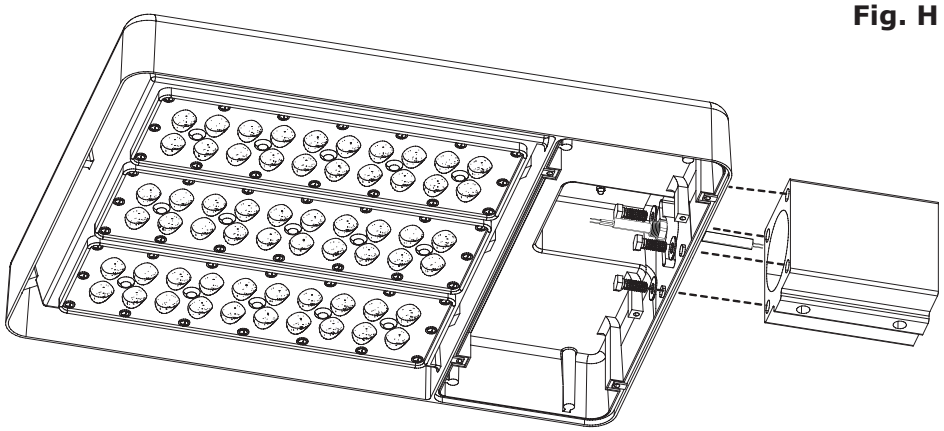
**Fig. G-3**



## Mast Arm Mounting Instructions (MA)

1. Using a 9mm bit, drill four holes in the area light housing. Hole positions are indicated on the housing.
2. Secure the fixture to the bracket by screwing the four 8mm bolts and lock washers supplied through the fixture and into the threaded holes in the mount. Tighten bolts to 175 in-lbs (20 Nm). (Fig. H)
3. Connect supply wires to fixture. (Fig. B)
4. Tuck connections carefully into wiring compartment above the driver.
5. Replace access plate and secure it with provided screws.
   **NOTE: Be sure access plate fits properly and that no wiring interferes with the foam gasket on driver compartment**
6. Slide mount over 2.5” (63.5 mm) o.d. tenon or heavy walled pipe and secure with set screws.

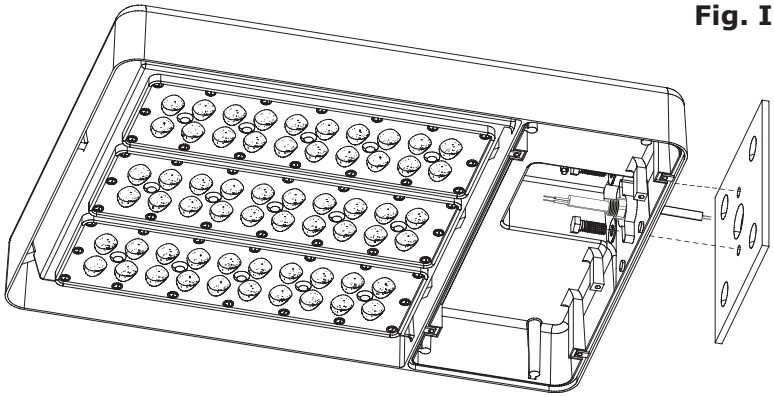
**Fig. H**



## Wall Mounting Instructions (WM)

1. Feed supply wires through wall mount bracket and secure bracket to wall using the appropriate anchor bolts.
2. Secure the fixture to the bracket by screwing the two 8mm bolts and lock washers supplied through the fixture and into the threaded holes on in the mounting plate. Tighten bolts to 175 in-lbs (20 Nm). (Fig. I)
3. Connect supply wires to fixture. (Fig. B)
4. Tuck connections carefully into wiring compartment above the driver.
5. Replace access plate and secure it with provided screws. **NOTE: Be sure access plate fits properly and that no wiring interferes with the foam gasket on driver compartment**

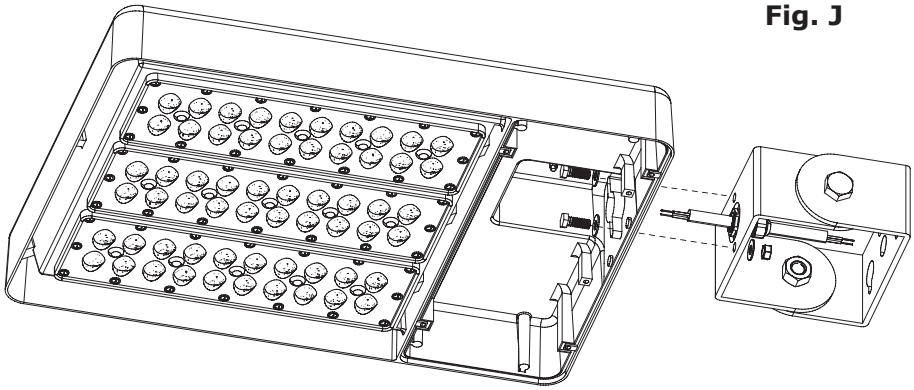
**Fig. I**



## Trunnion Mounting Instructions

1. Remove cord grip before beginning installation. Keep cord grip for re-installation after securing trunnion to fixture.
2. Insert the 8mm hex bolts with washers through the housing and trunnion and secure with the two 8mm nuts and washers provided. Tighten bolts to 175 in-lbs (20 Nm). (Fig. J)
3. Insert cord through cord grip so that the leads with the ground lug extend from the threaded side of the cord grip by 4 inch or as needed to make connections in fixture. Tighten cord grip firmly to fixture housing and trunnion mount.
4. Connect supply wires to fixture. (Fig. B)
5. Tuck connections carefully into wiring compartment above the driver.
6. Replace access plate and secure it with provided screws. **NOTE: Be sure access plate fits properly and that no wiring interferes with the foam gasket on driver compartment**

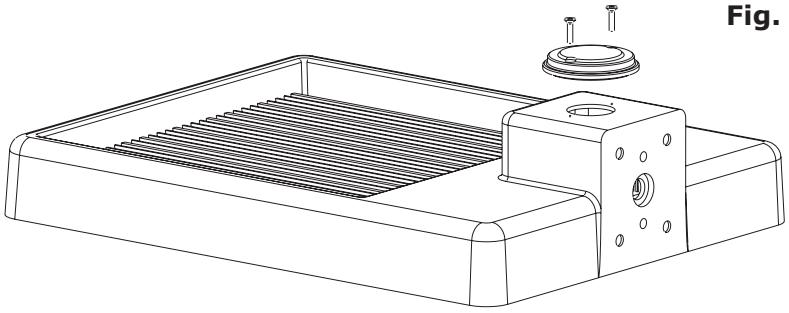
**Fig. J**



## Sensor Mounting Instructions

1. Loosen screws and remove sensor cap. Mount sensor to housing and follow specific sensor wiring instructions. (Fig. K)

**Fig. K**



## Photocontrol Wiring Instructions

1. Refer to the wiring diagrams below and choose the appropriate diagram.
   a. Connect the Black wire to the Black wire of the photocontrol
   b. Connect the Black wire of the light fixture to the Red wire of the photocontrol
   c. For 120V units: Connect the White wire from the light fixture and White wire from the photocontrol to the White wire
   d. For 280V, 240V, 347V or 480V units: Connect the White wire from the light fixture and the Yellow wire from the photocontrol to the Common wire (208V, 240V, 347V, 480V Red wire; 277V White wire.)