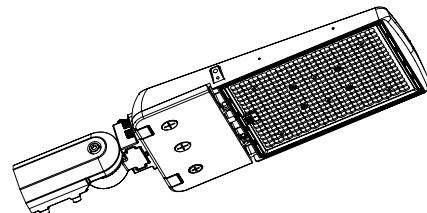


# MaxLite® AE Switch Area Light



## 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.
- For Residential installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- **DO NOT INSTALL DAMAGED PRODUCT!**
- This fixture is intended to be connected to a properly installed and grounded UL listed junction box.
- The product should be installed, inspected and maintained by a qualified electrician in accordance with local national electrical safety regulations;
- Please turn off the power before checking, installing or removing;
- Ensure that the voltage used is the voltage within the product identification range;
- Use wires that comply with UL (or other local standards) for wiring.
- Do not install in a hazardous environment. The ambient temperature must not exceed the rated operating temperature of the product;
- Do not install the product when it rains. Avoid the danger of lightning strikes and avoid accidents;
- Please use with listed waterproof strain relief bushing when connecting the power supply cord to outlet box.
- Do not use the electric generator to test the LED lamp.
- External 0-10V only passive dimmers are supported.



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

### **WARNINGS:**

- Risk of Fire - Supply conductors (power wires) connecting the fixture must be rated minimum 75°C. If uncertain consult an electrician.
- Risk of fire or electric shock. Installation requires knowledge of luminaires electrical systems.
- Risk of Fire/Electric Shock - If not qualified, do not attempt installation. Contact a qualified electrician.
- Keep away from flammable and explosive environment.
- Don't cover the fixture with insulation liner or similar material.
- Don't install where fixture is loose or only partially supported.
- Don't impact or exert pressure on the fixture surface face or rear, as damage may occur..

### **CAUTION:**

- For your safety read and understand instructions completely before starting installation.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Before attempting installation, check your local electrical code, as it sets the wiring standards for your locality.

### **NOTES:**

- If luminaire (fixture) is to be switched from a wall switch, make sure black power supply wire is connected to the switch. DO NOT connect the white supply wire to the switch.
- Make certain no bare wires are exposed outside the wire nut connectors.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

### **MIN 75°C SUPPLY CONDUCTORS**

**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 THE HAZARDS INVOLVED. ALL COMPONENTS IN THE LUMINAIRE SHALL NOT BE REPLACED OR SERVICED.**

### **MODEL:**

AE Series

# MaxLite® AE Switch Area Light



## General Wiring Diagrams

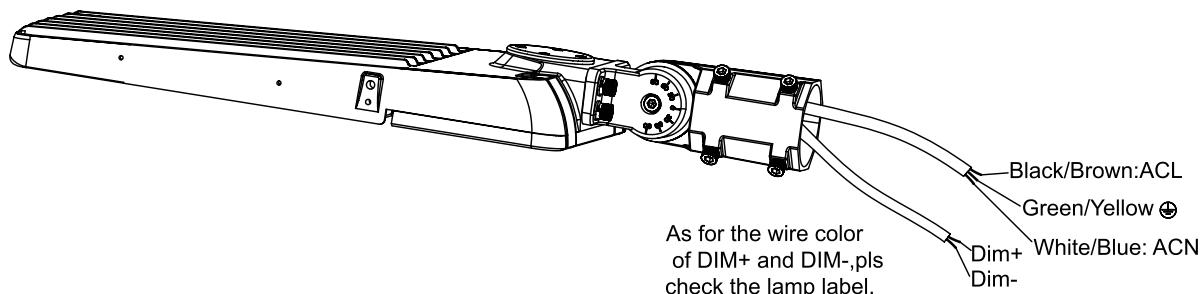
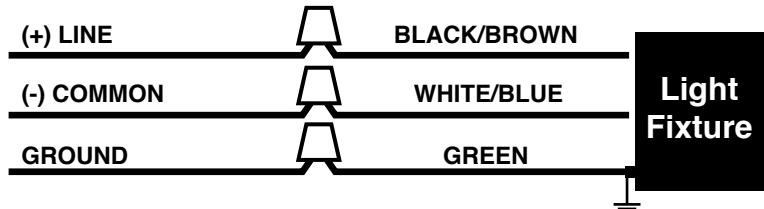
### CAUTION:

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.  
(120-277 VAC) or (277-480 VAC)

- Black / Brown = Line
- White / Blue = Neutral
- Green = Ground



## Setting Color Temperature (CCT), Power (Watt) and Distribution Type

### Manual Change Models: AEXXXYMC-WCS#%/%%

1. Remove the 3/4 NPT plugs on the left side of the fixture. Adjust the power and CCT to the desired settings using the switch in the right KO hole. Adjust the light distribution to the desired setting using the switch in the left KO hole. (see Fig. 1)

2. Replace and tighten both 3/4 NPT plugs removed in step 1.

**NOTE:** Ensure the plugs are tight enough to seal the housing from external water or particles.

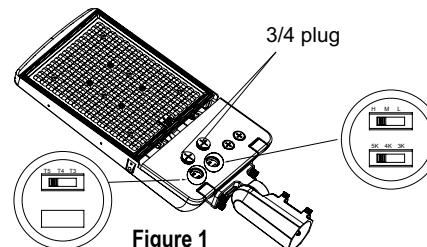


Figure 1

### Remote Control (RC) Change Models: AEXXXYMI-WCS#%/%%

#### Remote Control (RC) Function

1. Remove the 3/4 NPT plug on the far left side of the fixture. Adjust the switch with options "RC" and "Man" to the "RC" (Remote Control) setting. (see Fig. 2a)

2. Using the remote control (sold separately), adjust the light distribution and CCT to the desired settings. Point the remote at the 1/2 NPT clear KO plug and press the buttons of the desired settings. Remote control works at a range of 50'-60'. (see Fig. 2b)

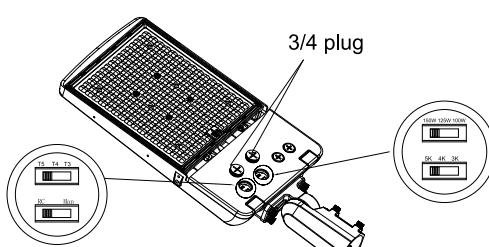


Figure 2a

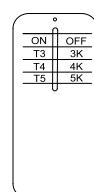


Figure 2b

**NOTE:** The luminaire needs to be powered on in order to program the distribution and CCT settings with the remote.

3. Replace and tighten the 3/4 NPT plug removed in step 1.

**NOTE:** Ensure the plug is tight enough to seal the housing from external water or particles.

#### Manual Change (MC) Function

1. Remove both 3/4 NPT plug on the left side of the fixture. Adjust the switch with options "RC" and "Man" to the "Man" (Manual Control) setting. Adjust the power and CCT to the desired settings using the switch in the right KO hole. Adjust the light distribution to the desired setting using the switch in the left KO hole. (see Fig. 2c)

2. Replace and tighten the 3/4 NPT plug removed in step 1.

**NOTE:** Ensure the plug is tight enough to seal the housing from external water or particles.

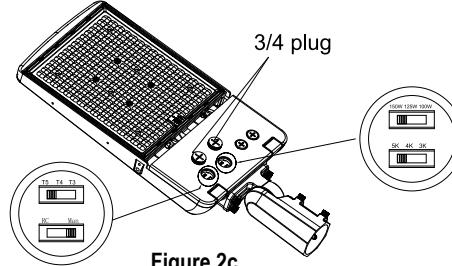


Figure 2c

# MaxLite® AE Switch Area Light



## Lower Knuckle Arm Mounting

1. Align fixture head and arm at the desired angle with the knuckle. (See Fig. 3)
  2. Lock the mounting and housing in place using the supplied M8x25mm machine thread screw, M8 spring washer and M8 flat washer at torque setting 9.6NM. (See Fig. 4)
- NOTE: Arm bracket should not exceed 35°. (See Fig. 5)

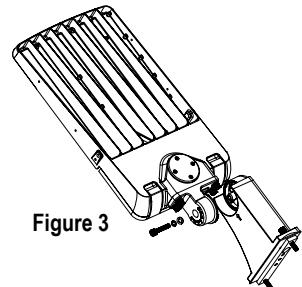


Figure 3

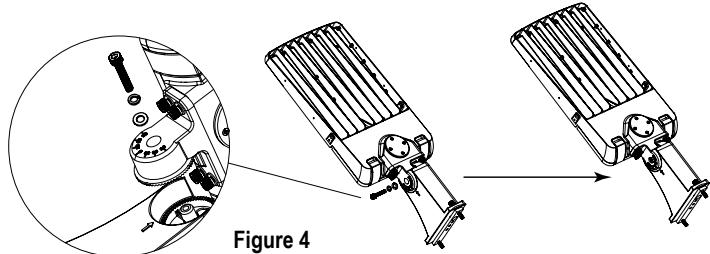


Figure 4

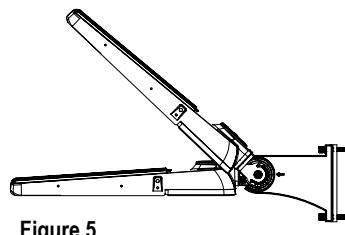
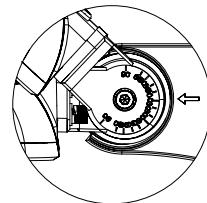


Figure 5



## Lower Knuckle Slipfitter Mounting

1. Align fixture head and slipfitter at the desired angle with the knuckle. (See Fig. 6)
  2. Lock the mounting and housing in place using the supplied M8x40mm machine thread screw, M8 spring washer and M8 flat washer at torque setting 9.6NM. (See Fig. 7)
- NOTE: Slipfitter bracket should not exceed 90°. (See Fig. 8)

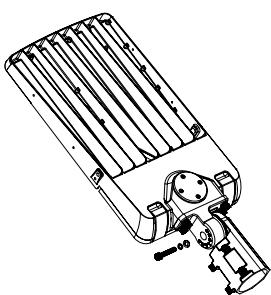


Figure 6

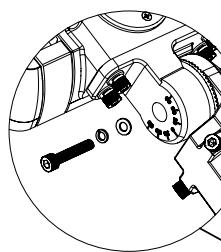


Figure 7

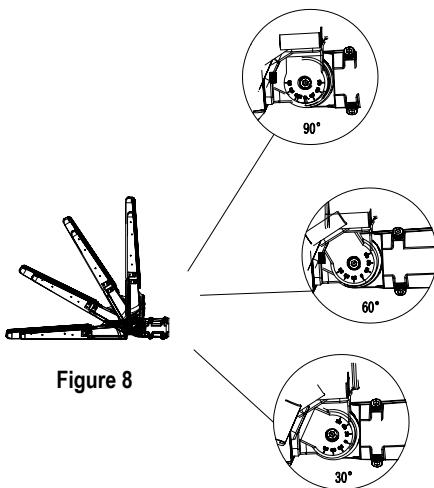
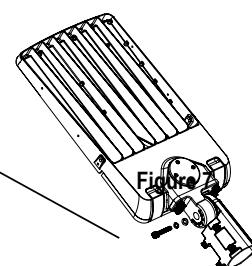


Figure 8

# MaxLite® AE Switch Area Light



## Installation Instructions

### SLIPFITTER KNUCKLE MOUNT

1. Connect the power supply wires to the fixture input wires (see Wiring Diagrams on page 2). Place the wires inside the pole and place the slipfitter knuckle onto the support pole. Secure it by tightening the four (4) locking bolts on the mount. (See Fig. 9)
  2. In order to aim the fixture, loosen the adjusting bolt on the slipfitter knuckle and adjust the arm to the desired angle.
- NOTE: adjustable angle 0-90° (See Fig. 10)*

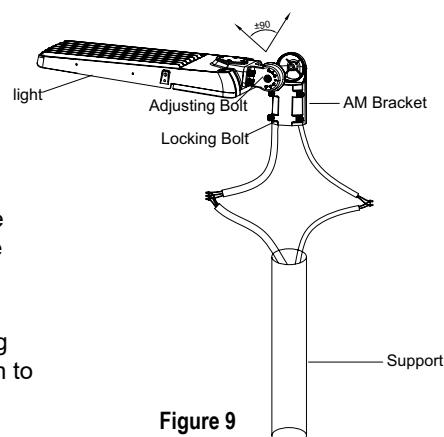


Figure 9

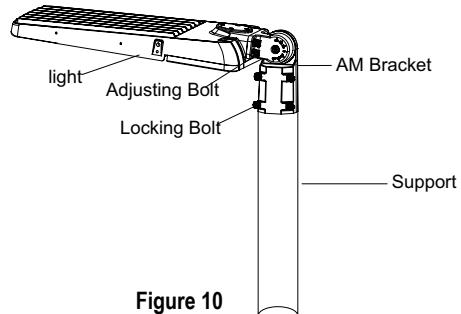


Figure 10

### FIXED ARM MOUNT

**NOTE:** The fixture can be mounted to either a round or square pole using the gaskets provided. Refer to the drill pattern below for the pole in order to mount the arm (see Fig. 11). If mounting it to a square pole use both silicone plates. If mounting it to a round pole remove one of the silicone plates. (see Fig. 12 and Fig. 13).

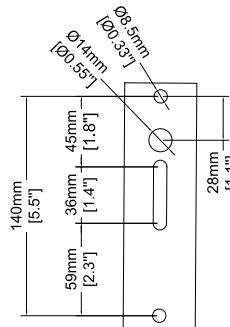


Figure 11

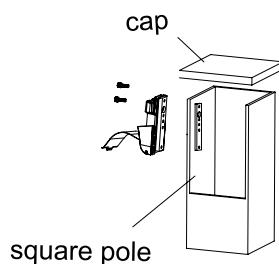


Figure 12

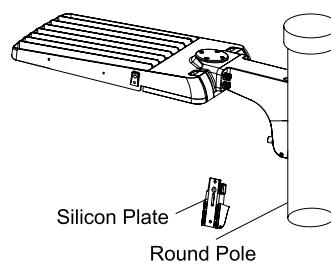


Figure 13

1. Remove the two (2) bolts at the top of the mounting arm. Remove the mounting bracket portion of the arm. Secure it to the pole using the mounting plate. (see Fig. 14)

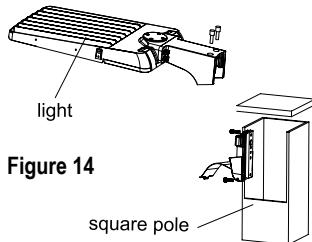


Figure 14

2. Pull the power supply wires from the pole and place the fixture onto the mounting bracket. (see Fig. 15)

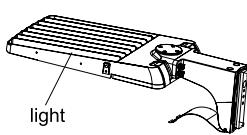


Figure 15

3. Make wire connections based on the wiring diagrams above. Put the connected wires into the junction box and seal it with the bottom lid on the mount. (see Fig. 16)

4. Secure the fixture by re tightening the two (2) bolts removed in step 1.

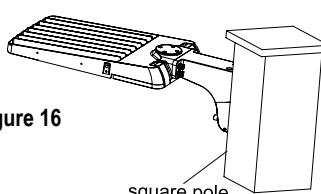


Figure 16

# MaxLite® AE Switch Area Light

## Installation Instructions

### FLEXIBLE ARM MOUNT

NOTE: The fixture can be mounted to either a round or square pole using the gaskets provided. The flexible arm can be aimed 0 to 35° upward. Refer to the drill pattern below for the pole in order to mount the arm (see Fig. 17). If mounting it to a square pole use both silicone plates. If mounting it to a round pole remove one of the silicone plates. (see Fig. 18 and Fig. 19)

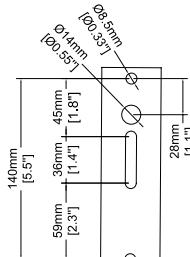


Figure 17

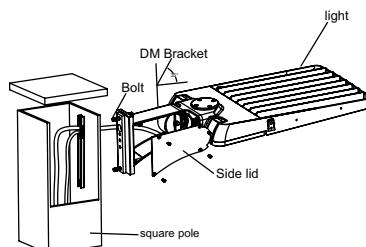


Figure 18

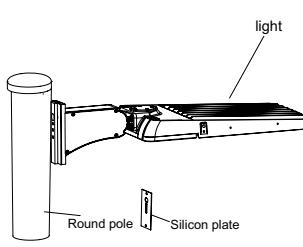


Figure 19

1. Fix the flexible arm mount to the pole by inserting the metal fixed plate with two (2) nuts and aligning it with the drilled holes. Tighten the two (2) bolts included with the mount to secure it to the pole. Remove the side lid from the mount, pull the supply wires from the pole into the junction box, and make the correct wiring connections (see Fig. 18).

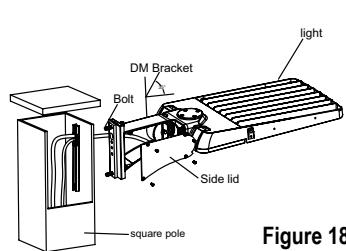


Figure 18

2. Put the connected wires into the junction box and seal it with the side lid. (see Fig. 20)

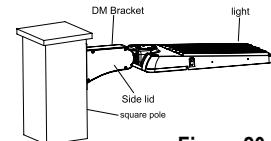


Figure 20

### TRUNNION MOUNT

1. Drill mounting holes on the mounting surface as shown in the illustration below. (see Fig. 21)

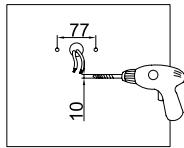


Figure 21

2. Insert expansion bolts (not included) into the mounting surface. (see Fig. 22)

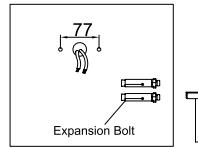


Figure 22

3. Secure the fixture to the mounting surface using the expansion bolts from step 2.
- NOTE: The trunnion mount can be adjusted ±90°. (see Fig. 23)

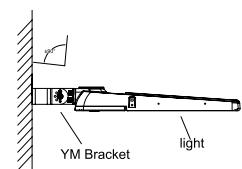


Figure 23

### NEMA Twist-lock Receptacle (Models with Suffix -RPC and -PR7)

1. For models with either a 3-pin or 7-pin NEMA twist-lock receptacle installed, either a shorting cap or sensor (such as a photocell) needs to be installed on the receptacle (see Fig. 24)

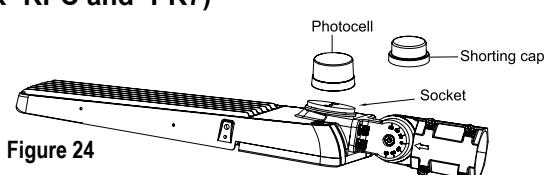


Figure 24

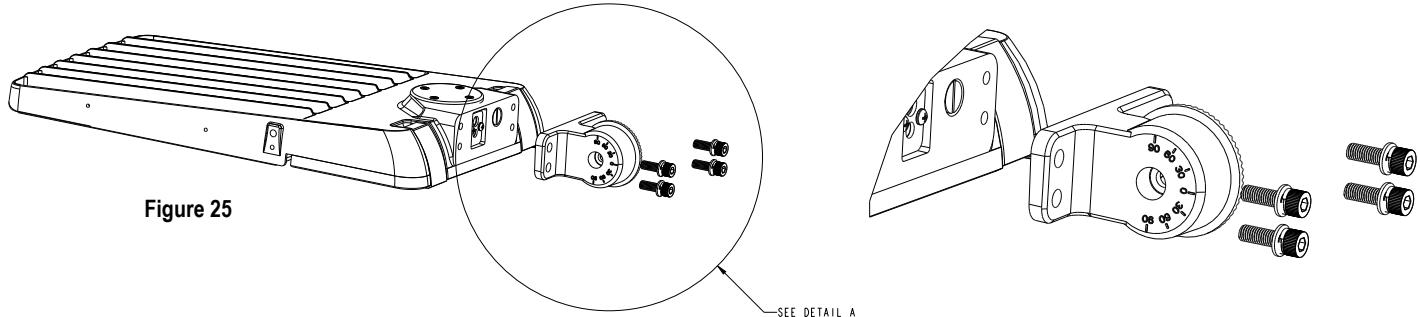
# MaxLite® AE Switch Area Light



## Installation Instructions

### FIELD INSTALLATION FOR STRAIGHT ARM & TRUNNION MOUNT

1. Remove the bracket mounting screws on the fixture. (see Fig. 25)



2. STRAIGHT ARM MOUNTING

Lock the mounting and housing in place using four supplied M8x25mm machine thread screws, M8 spring washers, M8 flat washers and a M8 external tooth in place washer at torque setting 9.6NM. (see Fig. 26 & 27)

#### TRUNNION MOUNTING

Lock the mounting and housing in place using four supplied M8x20mm machine thread screws, six M8 spring washers, six M8 flat washers and three M8 external tooth in place washer and two supplied M8x16mm machine thread screws, two supplied M5x12mm machine thread screws at torque setting 9.6NM. (see Fig. 28 & 29)

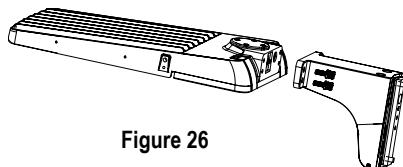


Figure 26

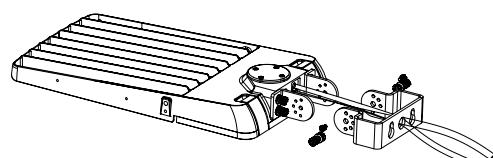


Figure 28

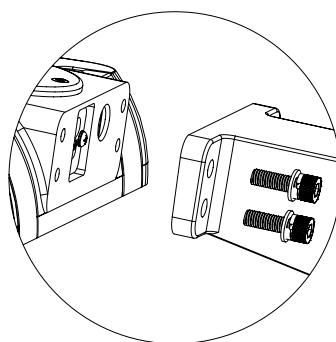


Figure 27

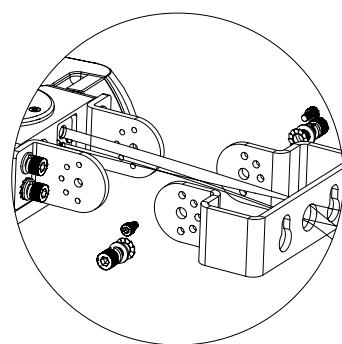


Figure 29

# MaxLite® AE Switch Area Light



## Installation Instructions

### c-MAX™ NODE (*Models with Suffix -CR*)

1. Remove the set screw from the round c-Max™ USB-C receptacle.
2. Remove the USB-C receptacle cover by turning it 90°. Remove the gasket under the cover as well. (see Fig. 30)
3. Plug the c-Max™ control node into the USB-C receptacle. (see Fig. 31)
4. Rotate the outer ring of the node counterclockwise until the arrows align. (see Fig. 32)  
**NOTE:** This is important in order to seal the fixture.
5. Secure the control node in place with the provided set screw.

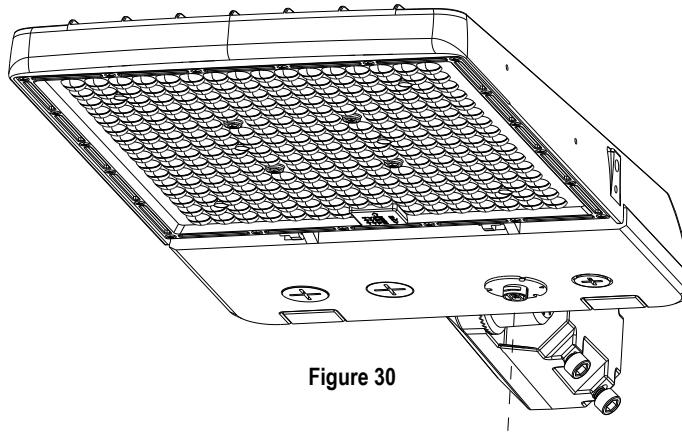


Figure 30

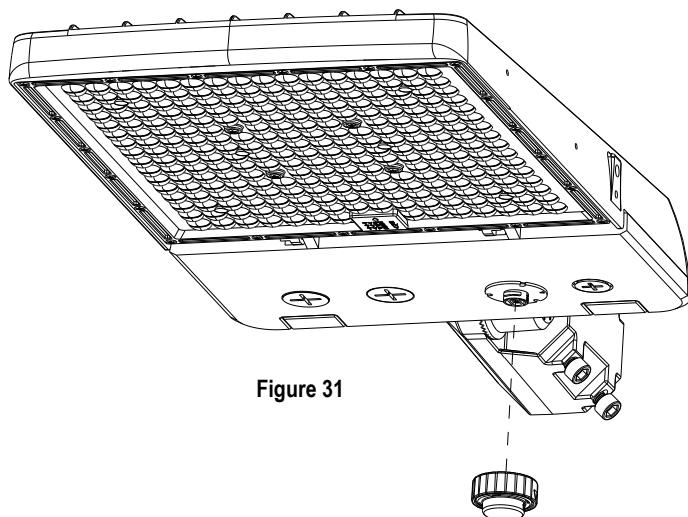


Figure 31

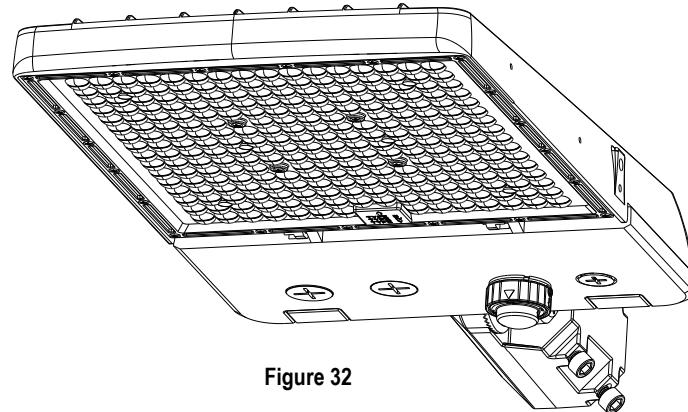
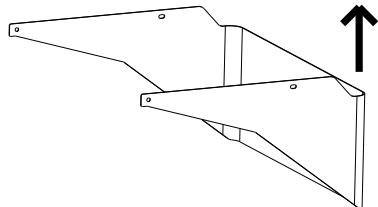
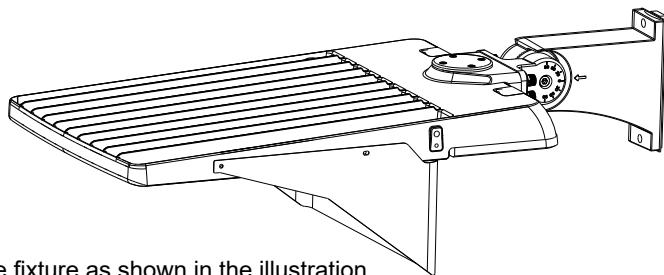
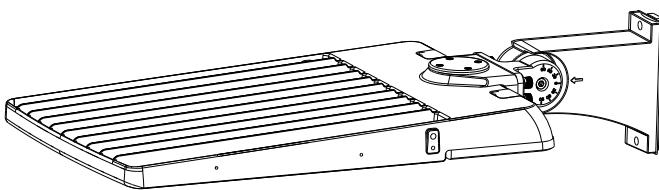


Figure 32

## MaxLite® AE Switch Area Light

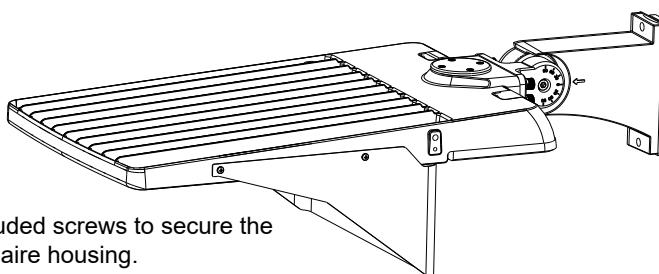
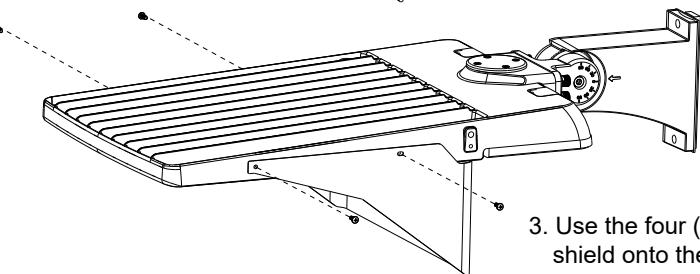


### Installation Instructions: Back Shield (sold separately)



1. Place the shield onto the fixture as shown in the illustration.

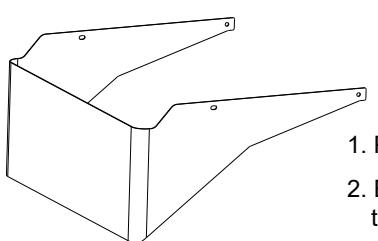
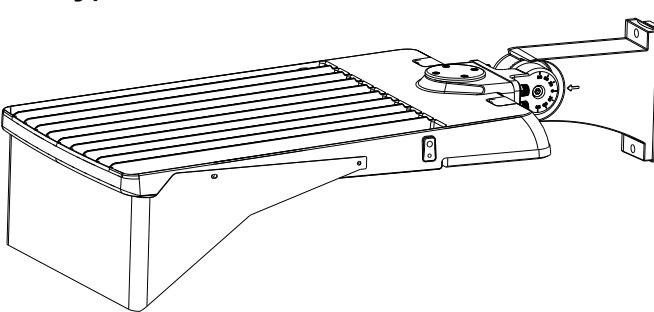
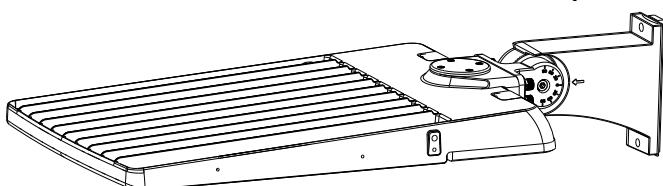
2. Ensure that the holes and slots on the shield are aligned with the threaded holes on the side of the luminaire.



3. Use the four (4) included screws to secure the shield onto the luminaire housing.

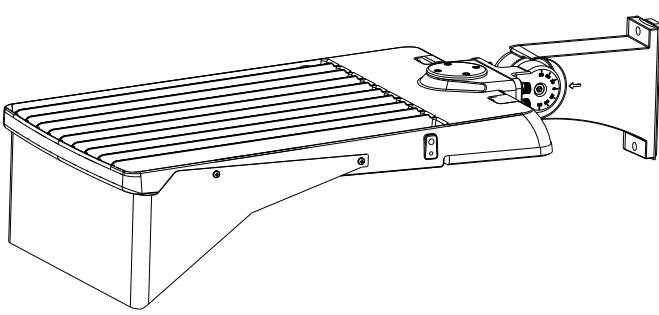
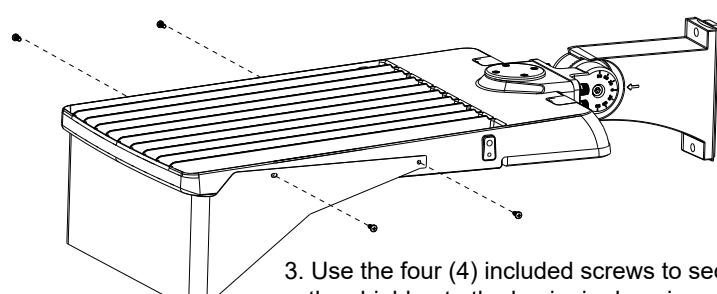
4. Ensure that the screws are tight, but not overtorqued, and the shield is secure.

### Installation Instructions: Front Shield (sold separately)



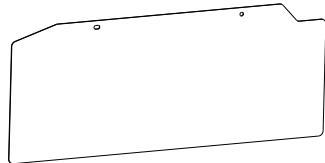
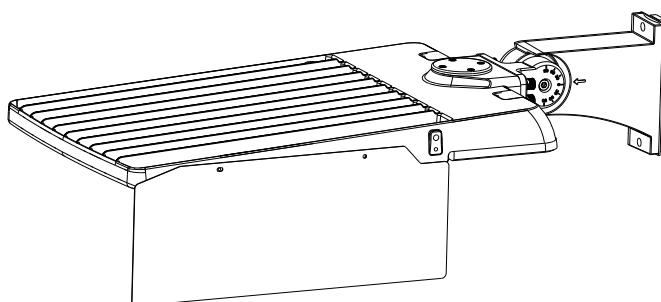
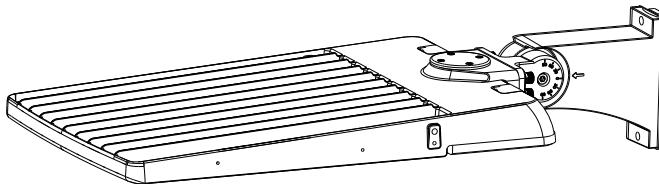
1. Place the shield onto the fixture as shown in the illustration.

2. Ensure that the holes and slots on the shield are aligned with the threaded holes on the side of the luminaire.

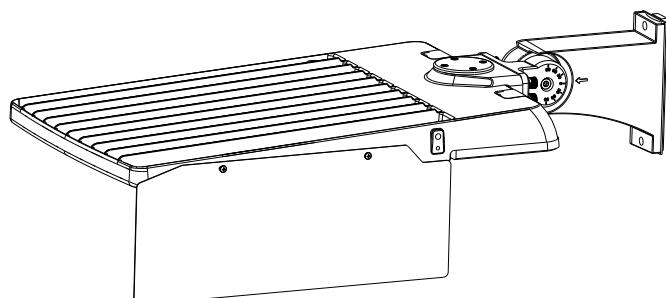
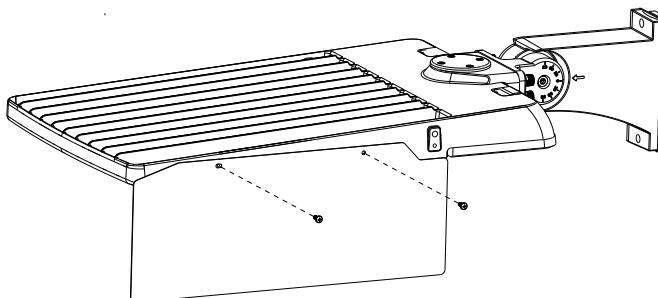


3. Use the four (4) included screws to secure the shield onto the luminaire housing.

4. Ensure that the screws are tight, but not overtorqued, and the shield is secure.

**MaxLite® AE Switch Area Light****Installation Instructions: Side Visor (sold separately)**

1. Place the side visor onto the fixture as shown in the illustration.
2. Ensure that the holes and slots on the visor are aligned with the threaded holes on the side of the luminaire.



3. Use the two (2) included screws to secure the visor onto the luminaire housing.
4. Ensure that the screws are tight, but not overtorqued, and the visor is secure.

# MaxLite® AE Switch Area Light



## Warranty Information

MaxLite Inc. warrants its products for a minimum period of **FIVE (5)** 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 http://maxlite.com/resources/warranties](http://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**

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