

## IMPORTANT SAFEGUARDS

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

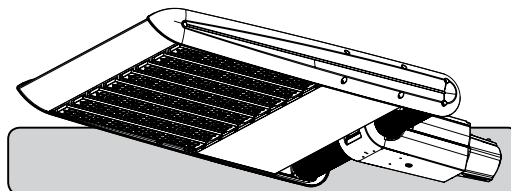
## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 1. DANGER-** Risk of shock- Disconnect power before installation.  
**DANGER – Risque de choc – Couper l'alimentation avant l'installation.**
- This luminaire must be installed in accordance with the NEC or your local electrical code. If you are not familiar with these codes and requirements, consult a qualified electrician.  
*Ce produit doit être installé conformément à NEC ou votre code électrique local. Si vous n'êtes pas familier avec ces codes et ces exigences, veuillez contacter un électricien qualifié.*
- Ensure the mounting surface is capable of supporting the weight of the luminaire after installation.  
*Veiller à la surface de montage est capable de supporter le poids du luminaire après l'installation.*
- If NEMA Photo Control is installed refer to NEMA Receptacle Section for instructions.
- Due to the weight of the luminaire, 2 people may be necessary during installation.

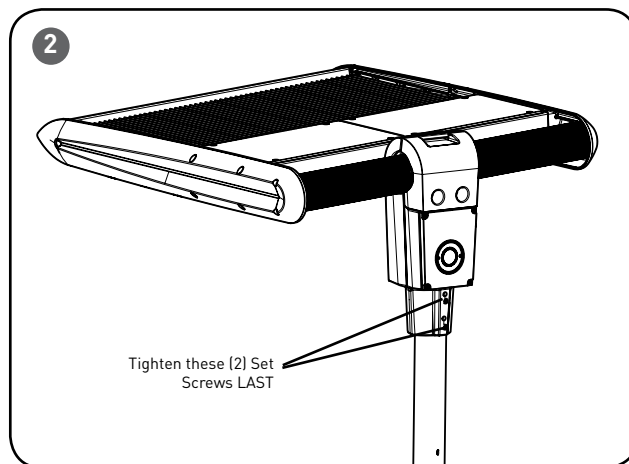
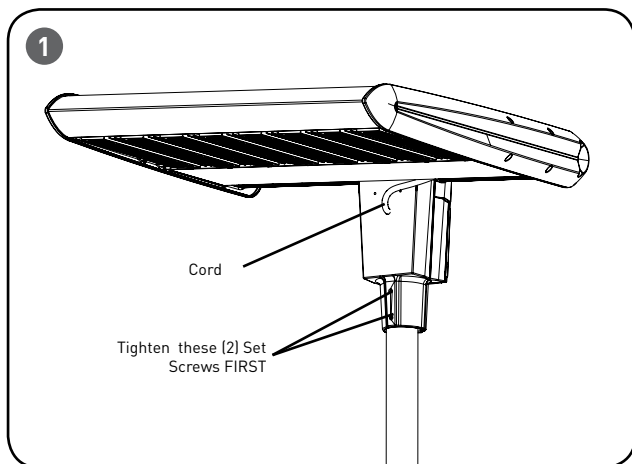
## SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

### TO INSTALL:

### INSTALLATION INSTRUCTIONS INSTRUCTIONS D'INSTALLATION



- Prior to installation, store luminaire in a dry location protected from rain, dust, and outdoor environment. If equipped with a photocell receptacle, do not store or install luminaire outdoors without immediately installing a suitable photocell, shorting cap, or other compatible device. Do NOT leave receptacle open to environmental elements. Luminaires with a top-mounted photocell receptacle should not be installed in an up-light position or at a tilt greater than 45 degrees from the down-light position.



### TENON MOUNT

**NOTE:** Tenon must be 3.75" or longer and constructed of steel.

#### STEP 1:

To adjust the angle of the luminaire, reference the Angle Adjustment Section.

#### STEP 2:

Route the supply wire through the tenon. Secure the supply wire to keep from sliding back down the pole.

#### STEP 3:

Make electrical connections per **Electrical Connection** section.

**NOTE:** Electrical Connections can be made after installation is finished.

#### STEP 4:

Fit the luminaire over the tenon.

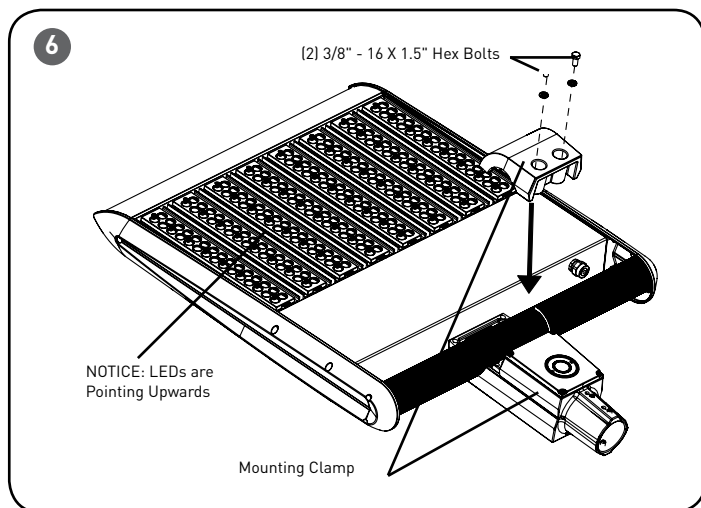
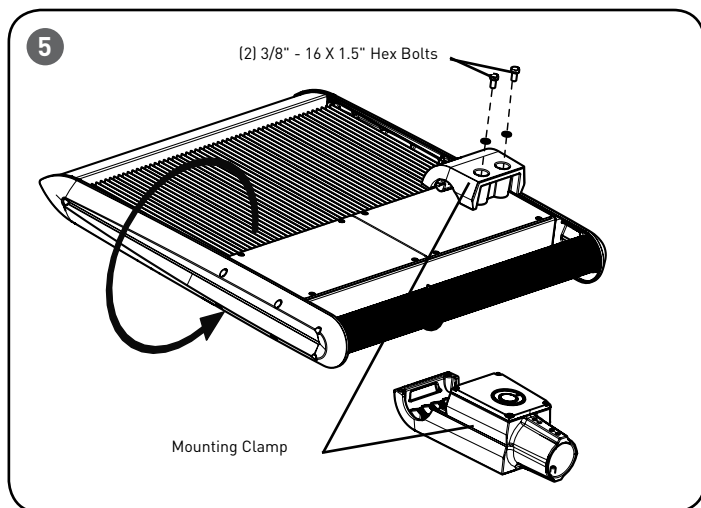
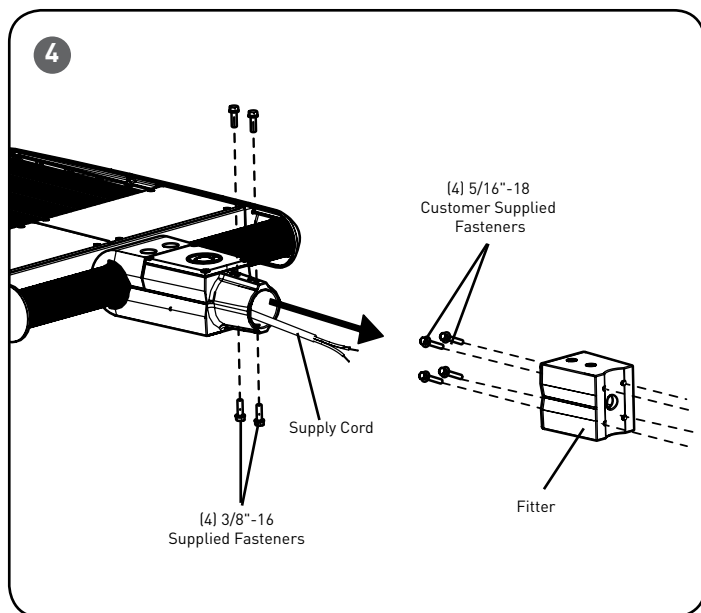
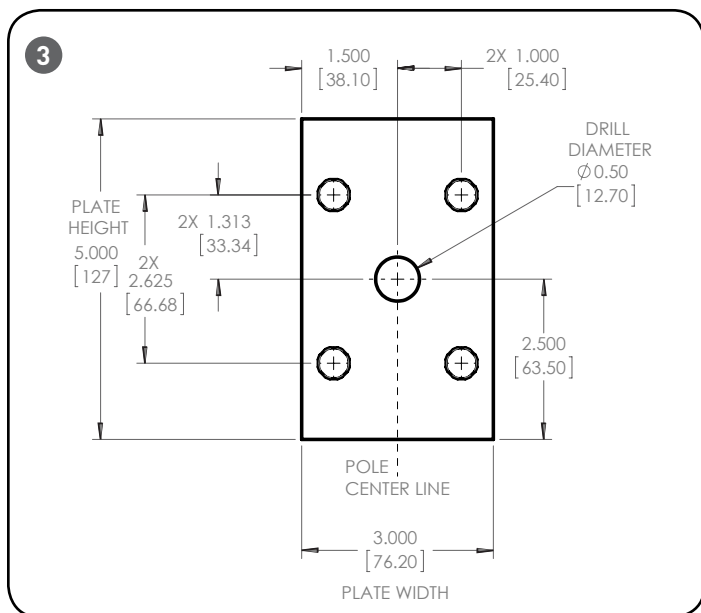
#### STEP 5:

Using 3/16" Allen wrench, hand tighten (2) set screws, on the side of the tenon where the

cord is, until tip of screws engage tenon. (Do not fully tighten). Torque set screws to 180 in. lbs. (4.5 N-m) See **Figure 1**.

#### STEP 6:

Using 3/16" Allen wrench, hand tighten (2) set screws, on the opposite side of the tenon where the cord is, until tip of screws engage tenon. (Do not fully tighten). Torque set screws to 180 in. lbs. (4.5 N-m) See **Figure 2**. **DO NOT** over-tighten.



## SURFACE MOUNT

### STEP 1:

Using the provided mounting plate, mark the intended installation surface with the bolt pattern. Bolt hole diameter is 0.332". See **Figure 3**.

### STEP 2:

Using (4) 5/16" - 18 customer supplied fasteners grade 5 or better secure the fitter to the mounting surface. See **Figure 4**.

### STEP 3:

Route the supply cord from the luminaire through the Fitter. See **Figure 4**.

### STEP 4:

Mount luminaire to fitter using (4) 3/8"-16 supplied fasteners. See **Figure 4**.

### STEP 5:

Make electrical connections per **Electrical Connection** section.

## DIRECT MOUNT TO POLE

### STEP 1:

Using the provided mounting plate, mark the pole with the bolt pattern. Bolt hole diameter is 0.332". See **Figure 3**.

**NOTE:** Bolt hole diameter may be increased to 9/16" for round poles. Verify clearance with other pole hardware prior to drilling.

### STEP 2:

Insert the Square Mounting Plate into the top of the pole as seen in **Figure 7**.

### STEP 3:

Using (4) 5/16"-18 supplied fasteners secure the fitter to square mounting plate.

### STEP 4:

Route the supply cord coming from the luminaire through the Fitter and then through the pole. See **Figure 7**.

### STEP 5:

Complete Steps 4 and 5 of the Surface Mount Instructions.

## UPLIGHT MOUNTING

### STEP 1:

Remove (2) 3/8" - 16 X 1.5" hex bolts located in the top section of the Mounting Clamp. See **Figure 5**.

### STEP 2:

Remove Mounting Clamp and flip the luminaire so that the LEDs are pointing upwards. See **Figure 5**.

### STEP 3:

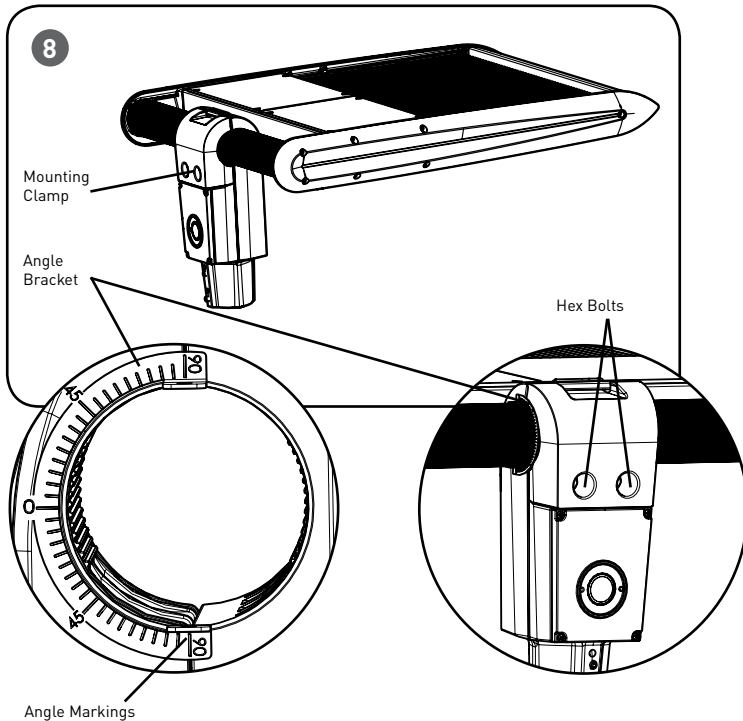
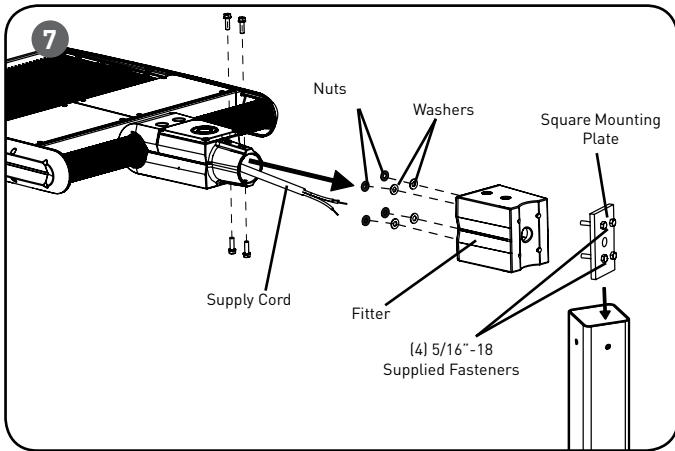
Reinstall the Mounting Clamp, ensuring that the (2) hex bolts are installed on the same side as the LEDs. See **Figure 6**.

### STEP 4:

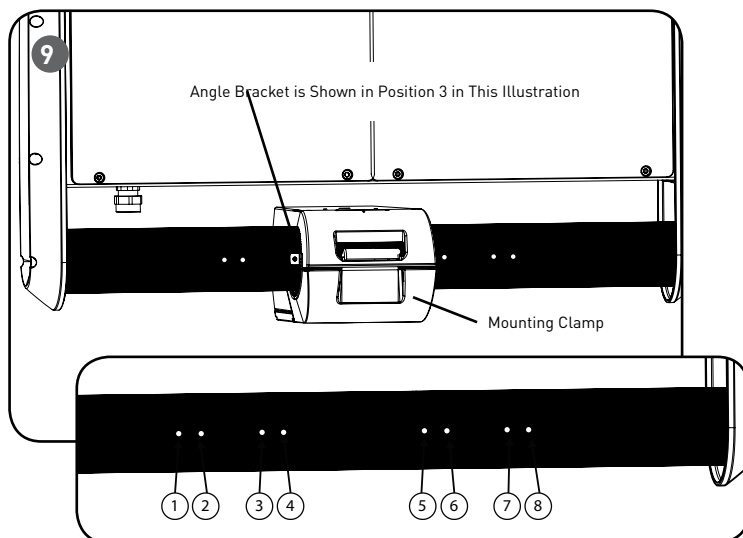
Retighten the (2) hex bolts that were removed in Step 1 to 150 in. lbs. See **Figure 6**.

### STEP 5:

Install luminaire to mounting surface referencing mounting procedures above.



Numbers on angle bracket are shown for illustration purpose only. Actual bracket doesn't show numbers.



## ANGLE ADJUSTMENT

**NOTE:** Angle adjustment can be made before luminaire installation.

### STEP 1:

After the luminaire is installed, the angle of the luminaire can be adjusted approximately 90° up or down in 5° increments.

### STEP 2:

To adjust the angle, loosen the (2) 3/8" – 16 X 1.5" hex bolts located in the top section of the Mounting Clamp. See **Figure 8**.

**NOTE:** Do NOT remove hex bolts.

### STEP 3:

Using the Angle Bracket, shown in **Figure 8**, as a guide rotate the luminaire to the desired position and retighten the bolts loosened in Step 2 to 150 in.-lbs.

## LATERAL ADJUSTMENT

### STEP 1:

The position of the luminaire can also be adjusted laterally. To adjust the Lateral position, loosen (2) 3/8" – 16 X 1.5" hex bolts located in the top section of the Mounting Clamp. See **Figure 8**.

**NOTE:** Do NOT remove hex bolts.

### STEP 2:

Remove the Angle Bracket and (2) screws and set aside. See **Figure 8**

### STEP 3:

The Angle Bracket can be secured using the existing holes on the luminaire bar. Set the Mounting Clamp to desired lateral adjustment using the following positions on the bar (See **Figure 9**):

- Position 1 - Left justification.
- Position 3 - Center position (when angle bracket is on the left side of the mounting clamp).
- Position 6 - Center position (when angle bracket is on the right side of the mounting clamp).
- Position 8 - Right justification.

**NOTE:** Positions 2, 4, 5 and 7 will not be able to be used.

**NOTE:** Mounting two luminaires to a 24" Bullhorn Tenon will require one luminaire mounted in position 1 and one luminaire mounted in position 8.

### STEP 4:

Once desired position is achieved reinstall the Angle Bracket using (2) screws that were removed in Step 2.

### STEP 5:

Retighten hex bolts that were loosened in Step 1 to 150 in.-lbs.

## NEMA RECEPTACLE (OPTIONAL)

**NOTE:** Nema receptacle should only be used when mounting clamp is in horizontal position.

### STEP 1:

DO NOT loosen/tighten pan head screws for the NEMA receptacle.

### STEP 2:

Rotational adjustment of the photo control is tool-less.

### STEP 3:

Engage/install photo control into NEMA receptacle on top of the fixture.

### STEP 4:

Firmly rotate photo-control with its photo-eye approximately in the 'N' north direction. Some photo-controls operate best somewhere between NW and NE.

## FIELD ADJUSTABLE DIMMING - OPTIONAL

### STEP 1:

This luminaire may be provided with field adjustable dimming. Luminaires leave the factory adjusted to the maximum setting which is Position 9 as shown in **Figure 10**.

### STEP 2:

Locate the luminaire's electrical label and verify the luminaire's LED count and the maximum current available.

### STEP 3:

The Dimming module is located inside the Mounting Clamp on the Terminal Block Bracket. Remove (4) 8-32 Phillips head screws that secure the Mounting Clamp Cover to the Mounting Clamp and set aside. See **Figure 11**.

### STEP 4:

Remove the mounting clamp cover exposing the wire connections and set aside. See **Figure 11**.

### STEP 5:

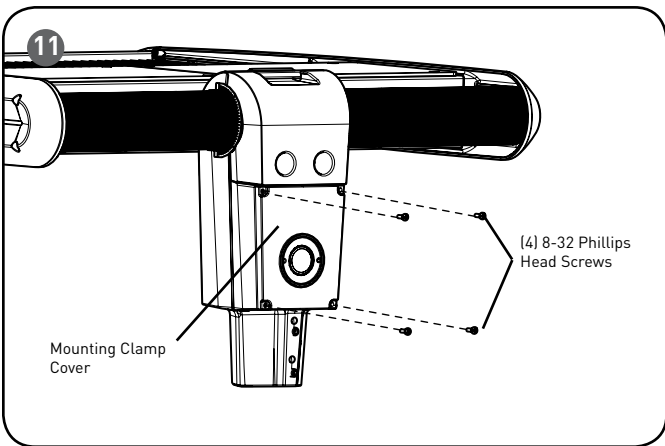
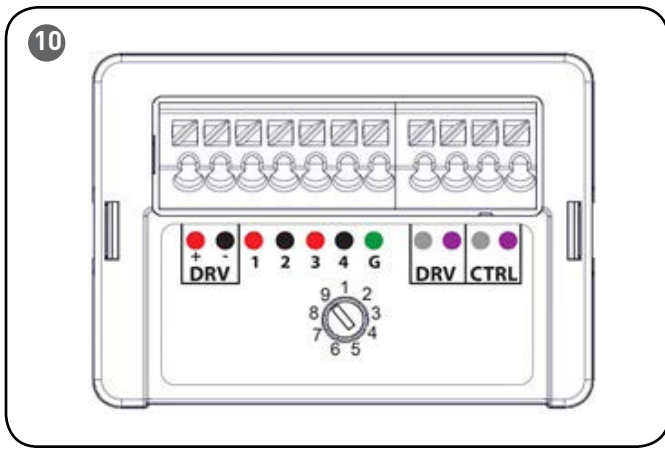
Remove the terminal block bracket by removing the (1) 8-32 Phillips head screw and set aside.

### STEP 6:

Establish the desired input power multiplier by referring to the product dimming spec sheet and turn the switch to the correlating position.

### STEP 7:

Adjust the Dimming Module to the selected position, replace the terminal block bracket and the Mounting Clamp Cover ensuring no wires are pinched and reinstall the screws that were removed in Step 3.



## ELECTRICAL CONNECTIONS

### STEP 1:

Make the following Electrical Connections to supply cord:

- For 120/277/347V connect the black fixture lead to the voltage supply position of the terminal block or Hot 1 (for 208/240/480V wiring).
- For 120/277/347V connect the white fixture lead to the neutral supply position of the terminal block or Hot 2 (for 208/240/480V wiring).
- Connect the green or green/yellow ground lead to the green wire position of the terminal block.
- If Dimming is an option; connect the violet dimming positive lead to the supply dimming positive lead.
- If Dimming is an option; connect the grey dimming negative lead to the supply dimming negative lead.

SUPPLY WIRING		LUMINAIRE	
LINE OR HOT 1	●	LINE-BLACK	
GREEN	●	GROUND-GREEN	
NEUTRAL OR HOT 2	●	NEUTRAL-WHITE	
VIOLET	●	DIM (+) VIOLET	
GREY	●	DIM (-) GREY	

(DIMMING OPTIONAL)