

# EDGE HO POLE MOUNTING GUIDE

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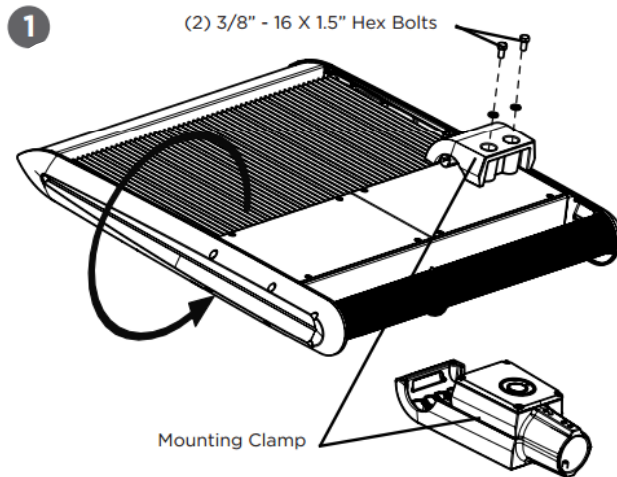
*The purpose of this guide is to provide you with an understanding of the options available to mount the Cree Edge HO **HV** mount to both existing and new poles.*



# Understanding the new “HV” mount

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“HV” stands for:  
Horizontal & Vertical



The installer attaches the HV mounting clamp in the field in either a HORIZONTAL or VERTICAL position.



VERTICAL



HORIZONTAL

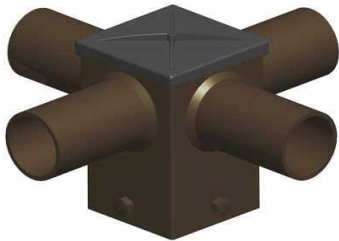
# Mounting to a tenon

ten·on /'tenən/ (noun): a projecting piece of metal made for insertion into another piece.

Can be mounted to a horizontal or vertical **steel**, 2.375 - 3" O.D. tenon. Tenon length must be a minimum of 3.75". Aluminum tenons are not acceptable. If mounting to existing tenon it is recommended to verify they are constructed of steel and structurally sound.



VERTICAL

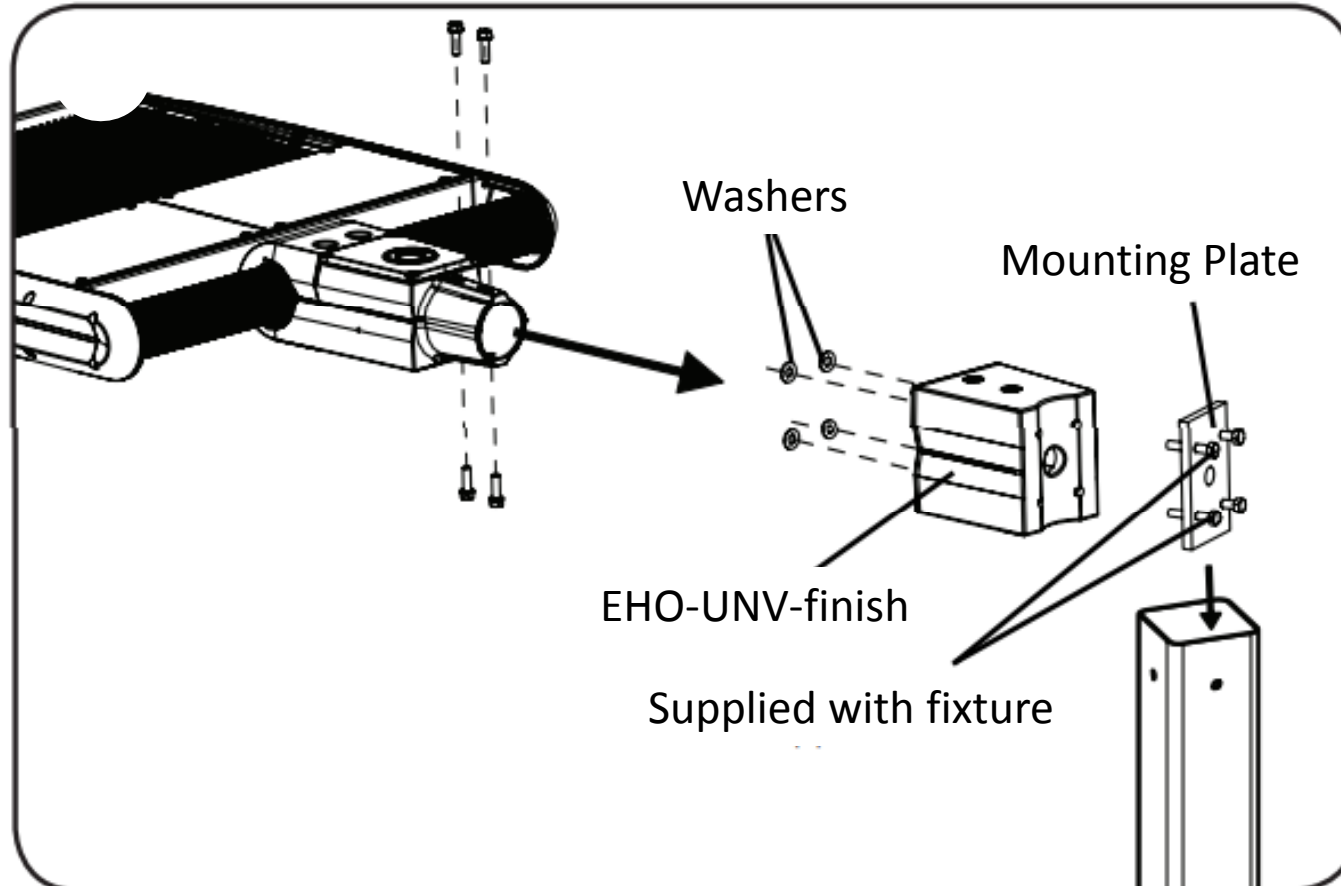


HORIZONTAL

# Mounting directly to a Round or Square Pole

The Edge HO is available with a direct mount bracket (EHO-UNV-\*\*) to allow for direct and surface mounting. This part is provided at no charge if ordered with the luminaire. It mounts to minimum 4" round or square; aluminum or steel pole or can be surface-mounted directly to a vertical or horizontal surface. If **EHO-UNV-\*\*** is ordered separate from luminaire there is an additional charge.

*NOTE TO INSTALLER: EHO-UNV is a labor saver allowing a single installer to mount the mounting fitter and then slide the luminaire into the fitter.*



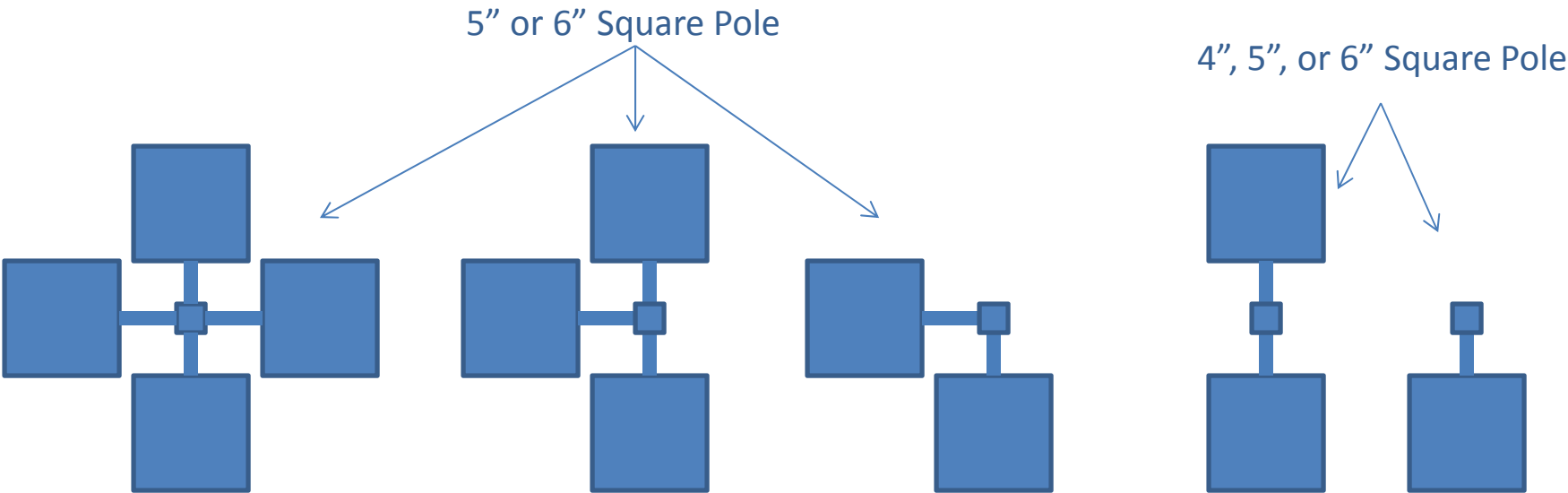
# EHO-UNV Mount – Square Poles – 240 LED size

When using the EHO-UNV-\*\* bracket on the larger EDGE HO 240 LED luminaire, it is important to use a minimum pole size of 5" square in order to prevent luminaires from overlapping on each other. 4" square poles are acceptable with single mount and double mount at 180 degrees.

*120 LED versions of the EDGE HO can fit on 4" square poles in all configurations.*

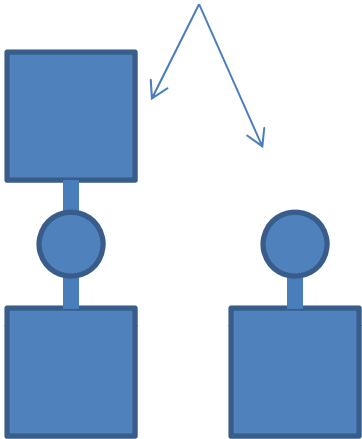


EHO-UNV Mount & ARE-EHO-240 LED



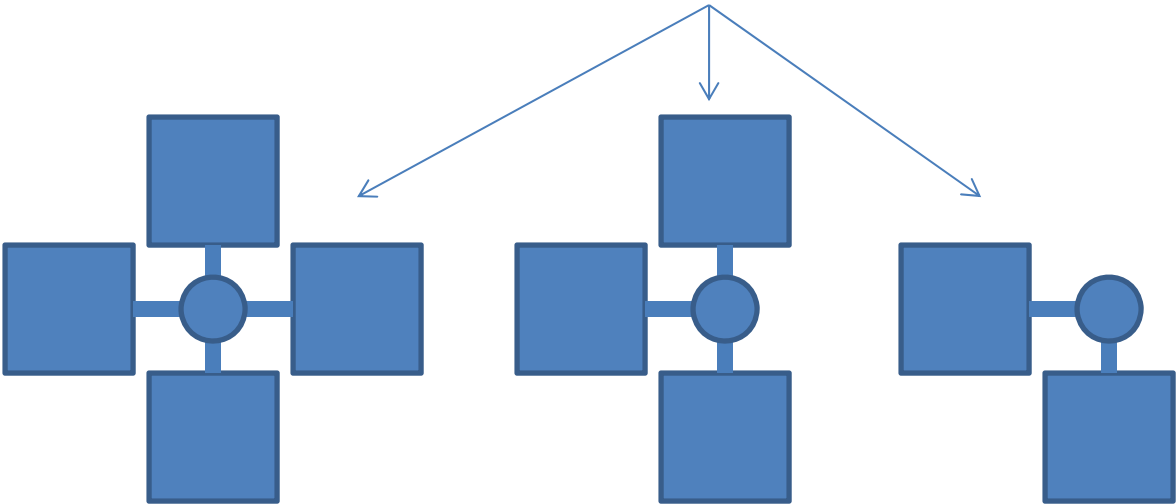
# EHO-UNV Mount – Round Poles – 240 LED size

4", 5", or 6" Round Pole

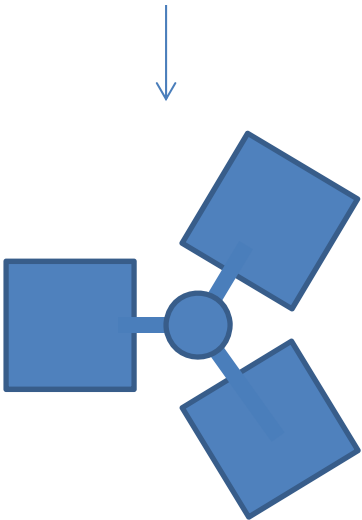


EHO-UNV Mount &  
ARE-EHO-240 LED

6" Round Pole (up to 4 @ 90 degrees)



5" or 6" Round Pole

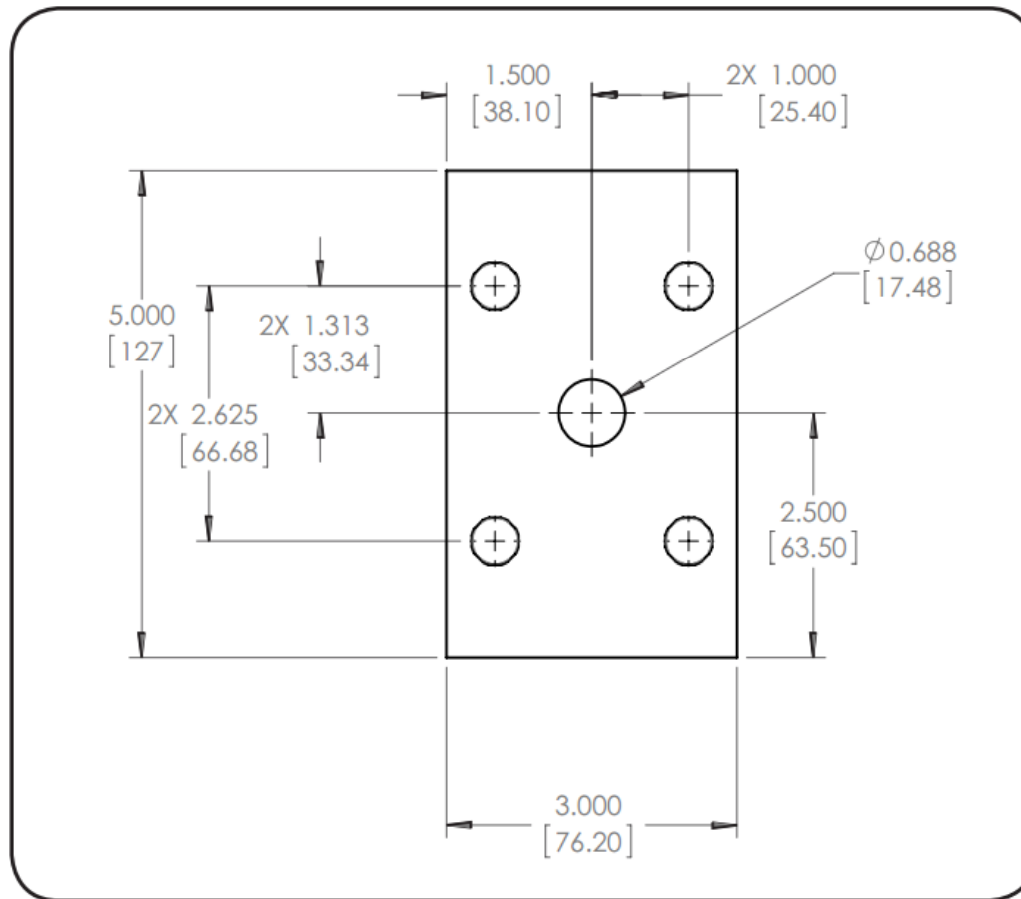


# Mounting directly to a Round or Square Pole

Installation instructions can be found online at

<http://www.cree.com/Lighting/Products/Outdoor/Area/THE-EDGE-High-Output-Area>

*New poles ordered from Cree do not come standard with this drill pattern and must be field drilled.*



# Multiple Fixtures & Vertical Tenon Brackets

Cree offers the following vertical tenon brackets to mount to 4", 5" and 6" open top square poles.



PB-4A4 (4" SQ)  
PB-4A5 (5" SQ)  
PB-4A6 (6" SQ)



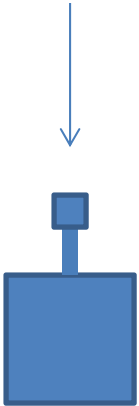
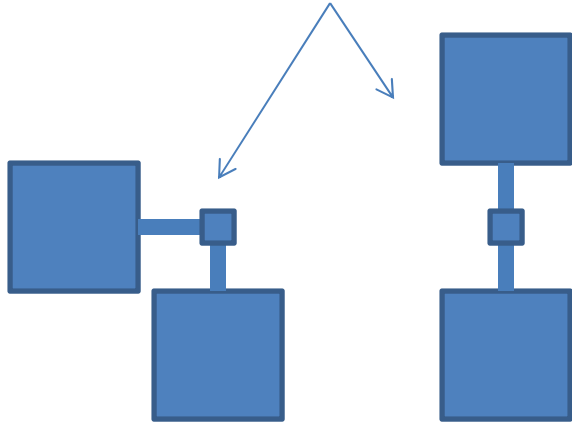
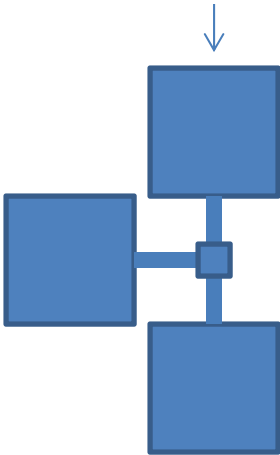
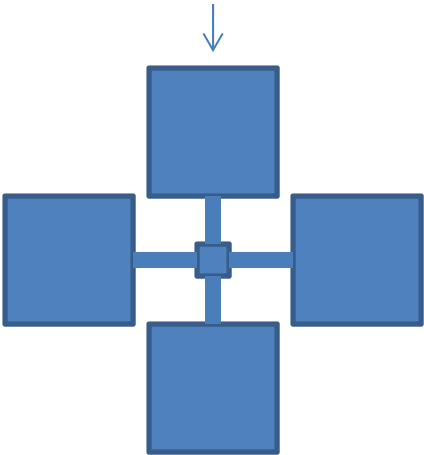
PB-3A4 (4" SQ)  
PB-3A5 (5" SQ)  
PB-3A6 (6" SQ)



PB-2A4 (4" SQ)  
PB-2A5 (5" SQ)  
PB-2A6 (6" SQ)



PB-1A4 (4" SQ)  
PB-1A5 (5" SQ)  
PB-1A6 (6" SQ)





# Multiple Fixtures & Tenon Brackets

If the existing pole has a tenon on top – or the new poles being supplied have a tenon on top, then the installer can use a HORIZONTAL tenon bracket. Since tenons must be steel, **the Cree PT series is not acceptable.** Use a 3<sup>rd</sup> party supplier that manufactures from steel.



90° Quad mount



120° Triple mount



90° Triple mount

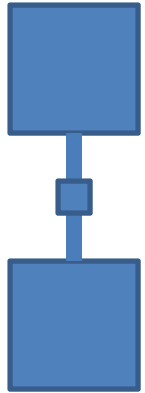
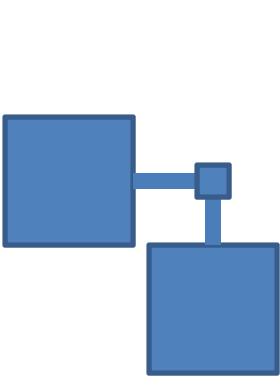
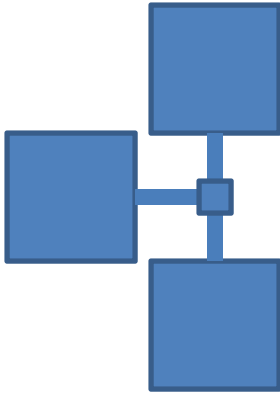
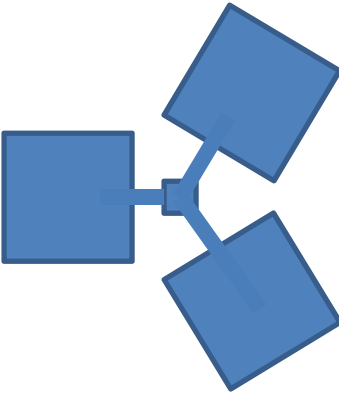
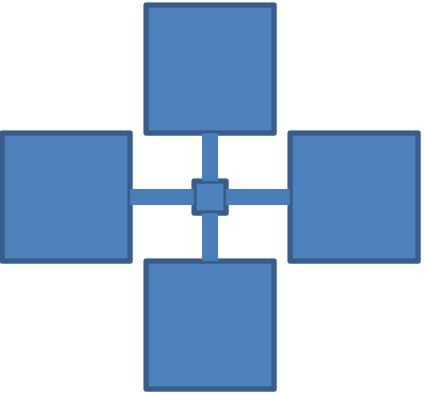


90° Twin mount



180° Twin mount

Photos above are for visual purposes only. The PT Series is not compatible with the HV mount.



# Rotating Optics with EDGE HO

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When using double heads around the perimeter of a project, it is sometimes required to rotate the optics to shine in the same direction. This is the Rotate Left and Rotate Right option and must be called out in the part number before ordering.

## Example of ways to order this configuration:

### USING EHO-UNV MOUNT:

Qty. (1) ARE-EHO-AF-HV-24-E-UL-SV-700-50K-RR / EHO-UNV-SV

Qty. (1) ARE-EHO-AF-HV-24-E-UL-SV-700-50K-RL / EHO-UNV-SV

Qty. (1) PS4S22COSV\*

\*Field Drill pole to match EHO-UNV pattern

### USING TENON BRACKETS:

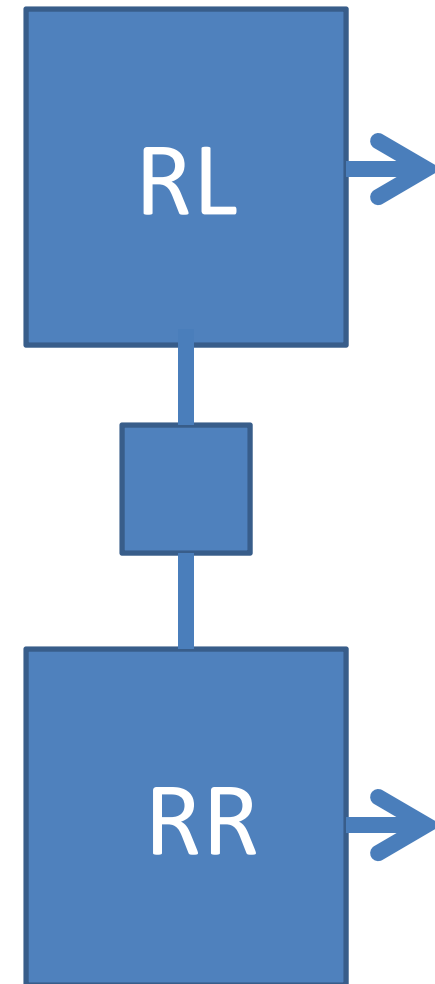
Qty. (1) ARE-EHO-AF-HV-24-E-UL-SV-700-50K-RR

Qty. (1) ARE-EHO-AF-HV-24-E-UL-SV-700-50K-RL

Qty. (1) PS4S22CTSV (open tenon top mount)

Qty. (1) PB-2A4-SV

*Rotation of optics must be done at time of ordering and cannot be performed in the field.*



Type AF (Frontline Optic)  
mounted on 22' 4" square pole

# Questions? Additional Information on HV Mount?



*Installation Instructions and spec sheets can be found at:*

<http://www.cree.com/Lighting/Products/Outdoor/Area/THE-EDGE-High-Output-Area>



**Cree Edge™**  
**LED High Output Luminaire**  
Includes: XAK1, XAKE and XAKG Series

## INSTALLATION INSTRUCTIONS

### IMPORTANT SAFEGUARDS

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

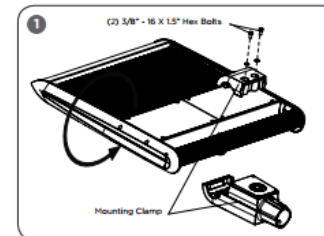
### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. To avoid the possibility of electrical shock, turn off power supply before installation or servicing.
2. Product must be installed in accordance with NEC or your local electrical code. If you are not familiar with these codes and requirements, consult a qualified electrician.
3. If NEMA Photo Control is installed refer to NEMA Receptacle Section for instructions.
4. Ensure the mounting surface is capable of supporting the weight of the luminaire after installation.
5. Due to the weight of the luminaire, 2 people may be necessary during installation.

**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**



### TO INSTALL:



#### 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 1**.

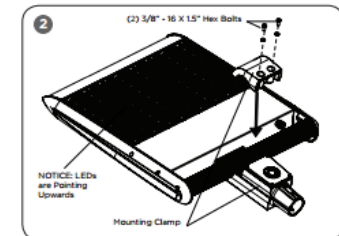
**STEP 2:**  
Remove Mounting Clamp and flip the luminaire so that the LEDs are pointing upwards. See **Figure 1**.

**STEP 3:**  
Reinstall the Mounting Clamp, ensuring that the (2) hex bolts are installed on the same side as the LEDs. See **Figure 2**.

**STEP 4:**  
Retighten the (2) hex bolts that were removed in Step 1 to 120 in. lbs. See **Figure 2**.

**STEP 5:**  
Install luminaire to mounting surface referencing mounting procedures below.

1 of 4



#### TENON MOUNT

**NOTE:** Tenon must be 3.75" or longer.

**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.

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