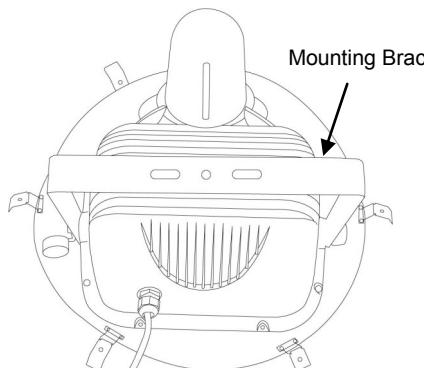


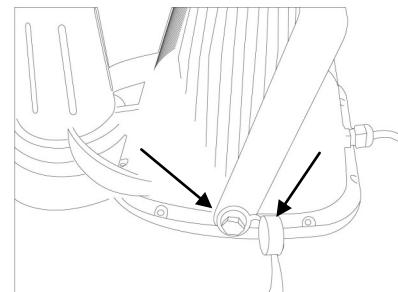
## ESF-EC INSTALLATION INSTRUCTIONS

### Tools Required

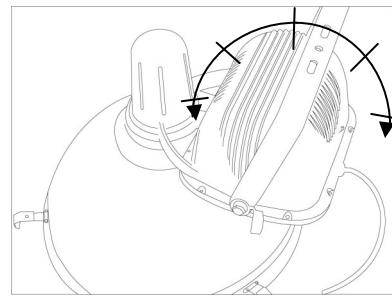
- Drill
- Adjustable Wrench
- Wire Strippers



(Figure 1A)



(Figure 2A)



(Figure 3A)

## Surface Mounting

1. Place mounting bracket in desired location on mounting surface and mark holes for drilling (Figure 1A).
2. Drill holes.
3. Secure mounting bracket to surface with appropriate anchors and/or hardware.
4. Remove bolt caps from sides of mounting bracket (Figure 2A).
5. Loosen bolts, move mounting bracket until fixture is set to desired angle (Figure 3A).
6. Tighten bolts and replace bolt caps.

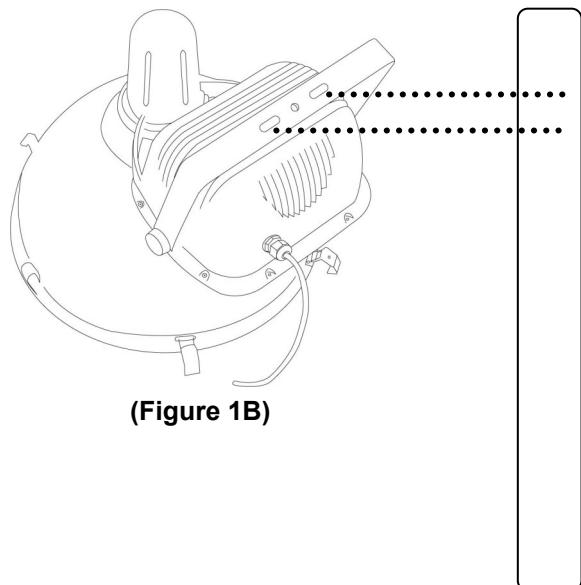
## Electrical Wiring

1. Hard wire: Connect power supply ground wire to fixture ground wire, connect power supply line wire to fixture line wire, connect power supply neutral wire to fixture neutral wire (Figure 1C).
2. Push excess wire back into mounting surface and seal.
3. Junction Box: Connect power supply line wire to fixture line wire, connect power supply neutral wire to fixture neutral wire, connect fixture ground wire to junction box ground screw (Figure 1C).

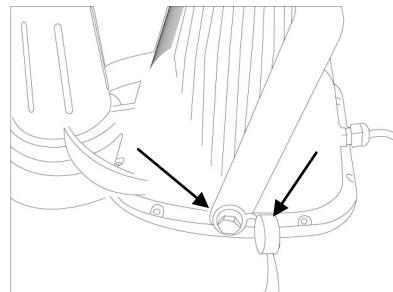


## CAUTIONS

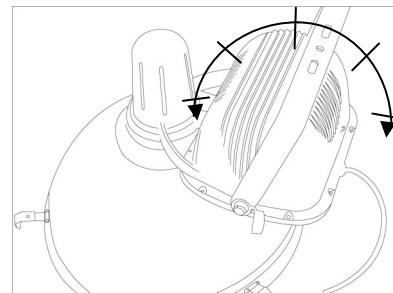
1. The product shall be installed by a certified individual in compliance with installation code. To avoid the possibility of electrical shock, turn off power supply and allow lamp to cool before installation, replacement or repair.
2. Efficient and reliable grounding is a necessity for personal protection, as well as proper use of the electronic ballast in order to meet the national standard of EMC without Interference to the equipment.
3. The luminaires shall be installed in an area with good ventilation, no corrosive gas, no combustible or explosive objects and with ambient temperatures ranging between -20°F to 122°F.
4. The supply voltage is variable between -10% and +10%. The supply voltage will influence the normal start and operation of lamp as well as damage the electronic ballast if outside this range.



**(Figure 1B)**



**(Figure 2B)**



**(Figure 3B)**

## Pole Mounting & Wiring

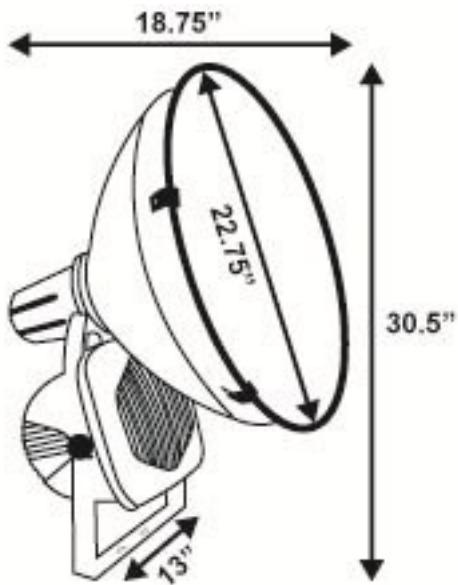
1. Place mounting bracket in desired location on mounting pole .
2. Place U-bolt (size ranging 2.5"- 4") around pole and into slots on mounting bracket **(Figure 1B)**.
3. Secure mounting bracket to pole with appropriate washers, lock washers and nuts.
4. Remove bolt caps from sides of mounting bracket **(Figure 2B)**.
5. Loosen bolts, move mounting bracket until fixture is set to desired angle **(Figure 3B)**.
6. Tighten bolts and replace bolt caps.

## Electrical Wiring

1. Run supply line through pole to the fixture.
2. Secure power supply ground wire to fixture ground wire. Secure power supply line wire to fixture line wire. Secure power supply neutral to fixture neutral wire **(Figure 1C)**.



## Fixture Dimensions



## Standard Wiring

(Figure 1C)

### 120 –277v Wiring

