

## P8683 PIER MOUNT INSTALLATION INSTRUCTIONS



### GENERAL

This post is designed to be mounted to a new (even grade) concrete footing (base). It can also be mounted to an existing floor providing the electrical service is available at the location desired. To insure the success of the installation, the following instructions and diagram(s) should be read and understood. All electrical connections must be made in accordance with the National Electric code and local codes and ordinances. If you are uncertain of the methods of installing electrical wiring and lighting fixtures secure the services of a qualified licensed electrician.

### INSTALLATION PREPARATION New Footing

**TOOLS NEEDED:** Shovel, other tools to properly mix and pour concrete, spirit level, tape measure, and adjustable wrench and 5/32" allen (hex) wrench or key set.

**MATERIALS NEEDED:** Concrete, three (3) anchor bolts 1/2" Dia. by at least 14" long with at least 2" of thread. Six (6) fender washers, six (6) nuts and conduit "L".

1. Prepare the hole in accordance to the concrete manufacturers recommendations, local building codes and annual climate.
2. Set conduit "L" into position in the center of the hole. The end of the conduit should extend at least 6" above the surrounding ground level. If more than one post light is being installed a second conduit may be installed to lead the wiring to the next location.
3. Make a template for the bolt pattern. **CENTERS OF BOLTS MUST BE EQUALLY SPACED AT 120° ON A 9 1/4" Dia. CIRCLE.** Thread the hex nuts even with the end of the bolts. Tighten the lower nuts finger tight only !

4. Mix the concrete following manufacturers instructions.

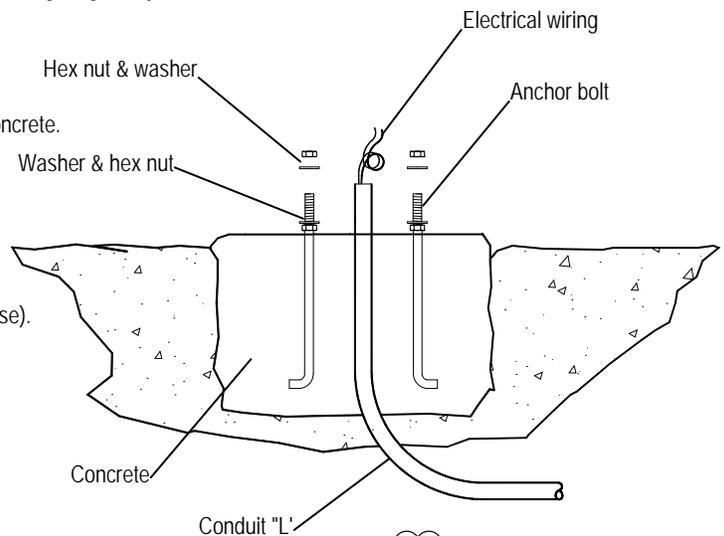
5. Pour concrete into hole and seat anchor bolts as shown. The bottom of the hex nuts should be about 1/2" above surface of the concrete. Using the template recheck installation locations.

6. Allow concrete to set following manufacturers instructions.

7. Place one (1) washer on each of the mounting bolts. Place the post into the mounting bolts. Place the second washer on each of the bolts ( now inside of the post base). Start the nuts onto the anchor bolts. Using the spirit level confirm that the post is vertical. Adjust the lower hex nuts as necessary to straighten the post. Firmly tighten the top hex nuts.

8. Install the fixture and complete the wiring procedure.

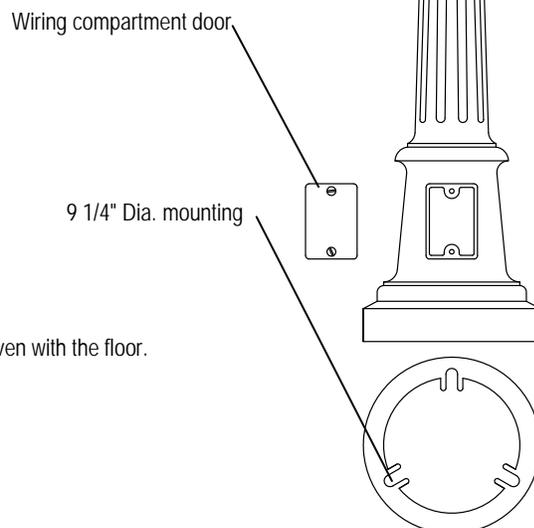
9. Install the wiring compartment door.



### INSTALLATION PREPARATION Existing concrete floor

**ADDITIONAL TOOLS NEEDED:** Electric drill, a masonry drill bit at least 3/4 " in diameter, tape measure, three (3) 1/2" anchor bolts or threaded rod at least 12" long, six (6) washers and six (6) nuts and pourable setting compound.

1. Place the template on floor and mark location of the 3 bolt holes, or draw a 9 1/4" circle and evenly divide the circle by 3.
2. Drill holes in floor at least 9 1/2" deep.
3. Assemble a nut onto each bolt or rod. Thread the nut 2" onto the bolt or rod
4. Prepare setting compound following manufacturer's instructions.
5. Pour setting compound into holes filling each approximately 1/2 full.
6. Press the anchor bolts into the compound until the bottom of nut is even with the floor.
7. Remove excess setting compound from around each nut.
8. Allow compound to harden following the manufacturers instructions.



9. Place one (1) washer on each of the mounting bolts.  
Place the post into the mounting bolts.  
Place the second washer on each of the bolts ( now inside of the post base).  
Start the nuts onto the anchor bolts.  
Using the spirit level confirm that the post is vertical.  
Adjust the lower hex nuts as necessary to straighten the post.  
Firmly tighten the top hex nuts.
10. Install the fixture and complete the wiring procedure.
11. Install the wiring compartment door.

#### **INSTALLATION PREPARATION Wood deck**

**TOOLS NEEDED:** Electric drill, tape measure, if 1/2" lag screws are used a 3/8" drill bit,  
if 1/2" carriage bolts or all thread (not supplied) are used, a 9/16" drill bit.  
Washers and hex nuts as needed.

**NOTE:** The length of carriage bolts should be calculated as the thickness of deck material + 2" extension above the deck.  
The length of all thread should be calculated as the thickness of the deck material + 2" extension above the deck +  
the thickness of one nut and one washer

1. Place the template on floor and mark location of the 3 bolt holes,  
or draw a 9 1/4" circle and evenly divide the circle by 3.
2. Drill the holes.
3. Install the anchor bolts or all thread through the deck.  
Equally tighten all of the mounting bolts.  
Place one (1) washer on each of the mounting bolts.  
Place the post into the mounting bolts.  
Place the second washer on each of the bolts ( now inside of the post base).  
Start the nuts onto the anchor bolts.  
Using the spirit level confirm that the post is vertical.  
Adjust the lower hex nuts as necessary to straighten the post.  
Firmly tighten the top hex nuts.
4. Install the fixture and complete the wiring procedure.
5. Install the wiring compartment door.

P8683  
ANCHOR BOLT TEMPLATE  
SCALE 1:1

ACCESS DOOR HERE

