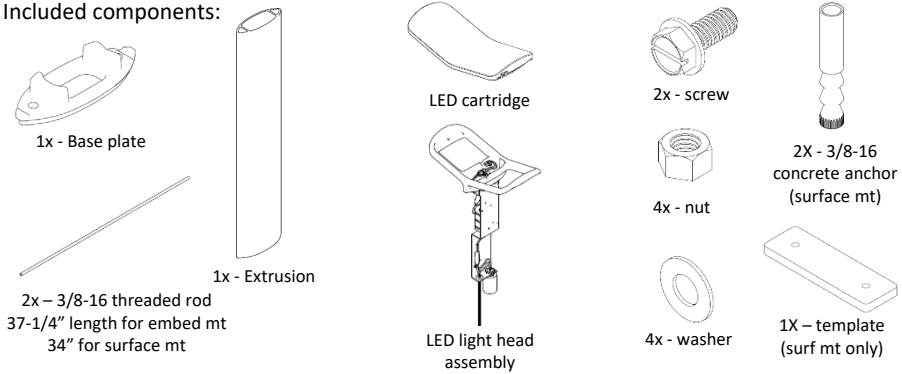




ASSEMBLE WITH CARE! Pangard II® Polyester Powdercoat is a strong, long-lasting finish. To protect this finish during assembly, place unwrapped powdercoated parts on packaging foam or other non-marring surface. Do not place or slide powdercoated parts on concrete or other hard or textured surface – this will damage the finish causing rust to occur. Use touch-up paint on any gouges in the finish caused by assembly tools.

Included components:



Tools required for assembly

- Safety glasses
- Flat head screw driver
- 9/16" wrench
- wiring connectors
- compressed air and wire brush

For embedded mount option:

- Anchoring adhesive (Powers Fasteners AC100 Plus™, Hilti™ HIT RE 500 or equivalent)
- masonry drill with bit (diameter recommended by adhesive mfg for 3/8-16 threaded rod)

For surface mount option:

- Epoxy anchoring system for concrete
- masonry drill with Ø9/16" bit

LIGHTING LAYOUT RECOMMENDATIONS: Refer to the Product Data Sheet

INSTALLATION: **Note:** Unit must be anchored.

1. Prepare footing as required by local codes, see Figs. 1 and 2.
2. Set template in position over conduit.
3. Mark hole locations and move template.

For embedded mount:

4. Drill holes according to adhesive manufacturer's recommendations. When installed, threaded rods should extend 4-1/4" below base plate, see Fig. 3.
5. Using compressed air and wire brush, clear holes of debris.
6. Place base plate back in position. Install washer, nut and threaded rod as shown in Fig. 3. Verify top of threaded rod to grade distance is 33".
7. Move unit. Fill holes with adhesive according to adhesive manufacturer's recommendations. Do not fill holes to the top.
8. Slowly set unit back in position.
9. Wipe away excess adhesive before it begins to cure.
10. Allow adhesive to fully cure.
11. Fully tighten nuts.

For surface mount:

4. Drill holes according to Fig. 4.
5. Using compressed air and wire brush, clear holes of debris.
6. Assemble template, concrete anchors and 3/8-16 x 1" hex head bolts as shown in Fig. 10.
7. Test fit anchors into holes. Make any adjustments to the holes as necessary to allow anchors to freely install. Anchors should sit centered in hole and not rest against the sides or bottom of the drilled holes.
8. Fill anchor holes with epoxy per manufacturer's recommendation.
9. Slowly set template with anchor assembly into the holes. Wipe away any excess adhesive. Allow epoxy to cure.
10. Remove template and hex head bolts.
11. Install washers and threaded rods. Height from grade to top of installed threaded rod is 33", see Fig. 4.
12. Fully tighten nuts.

Continue embedded and surface mount:

1. Install extrusion over threaded rods, see Fig. 5.
2. Make wiring connection.
3. Open silicone dielectric compound squeeze a generous amount into each wire terminal before connecting to battery. Use the silicone dielectric compound to encapsulate the exposed portion of the battery terminals. Set light head assembly over threaded rods, see Fig 6.
4. Install washers and nuts onto threaded rods, see Fig. 7. Tighten fully.
5. Connect wiring from cartridge to wiring connectors.
6. Set cartridge into place and install screws to secure, see Figs. 8 and 9.

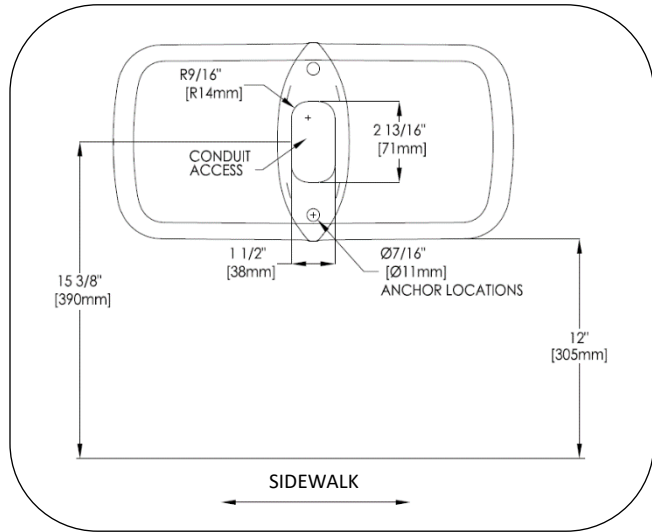


Fig. 1 – sidewalk setback and conduit access

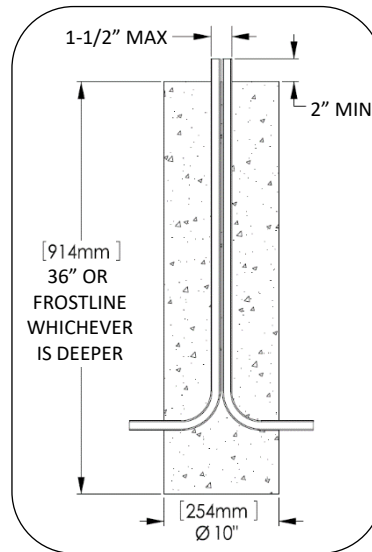


Fig. 2 – conduit size

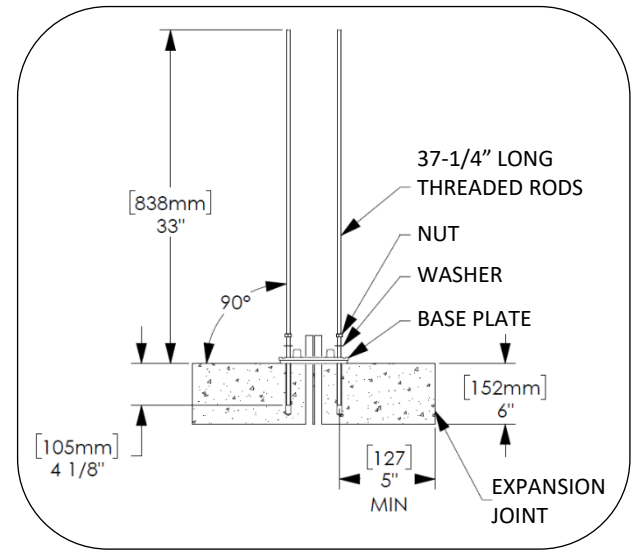


Fig. 3 – install threaded rods – embed mount

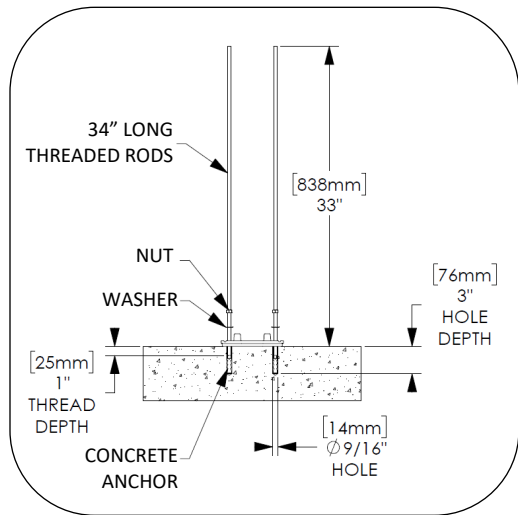


Fig. 4 – install threaded rods – surface mt

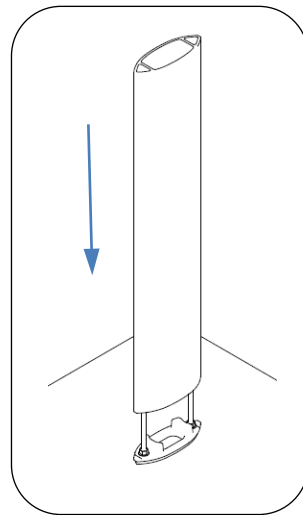


Fig. 5 – install extrusion

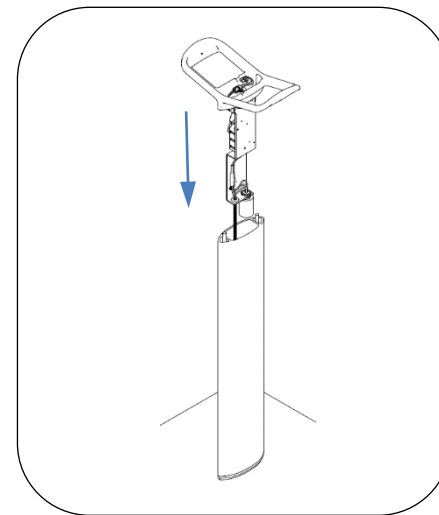


Fig. 6 – install light head

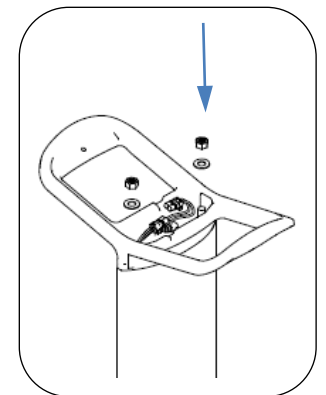


Fig. 7 – secure light head

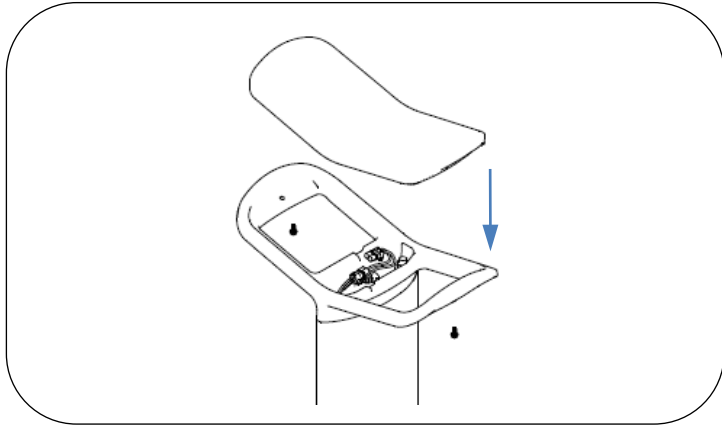


Fig. 8 – install top casting

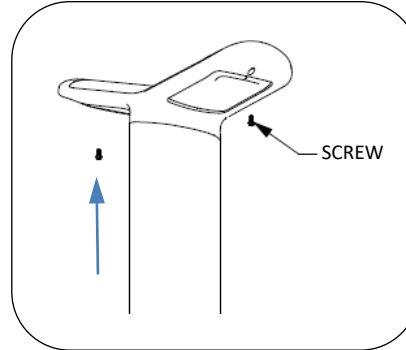


Fig. 9 – secure top casting

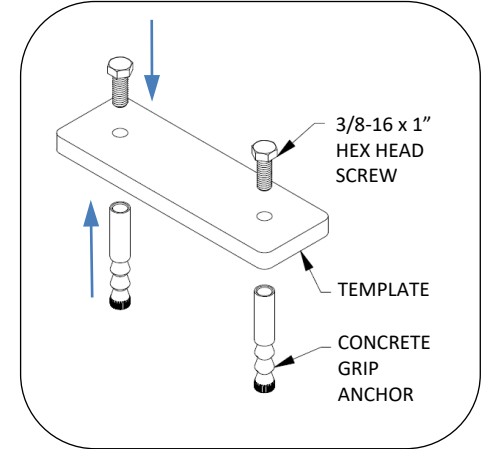
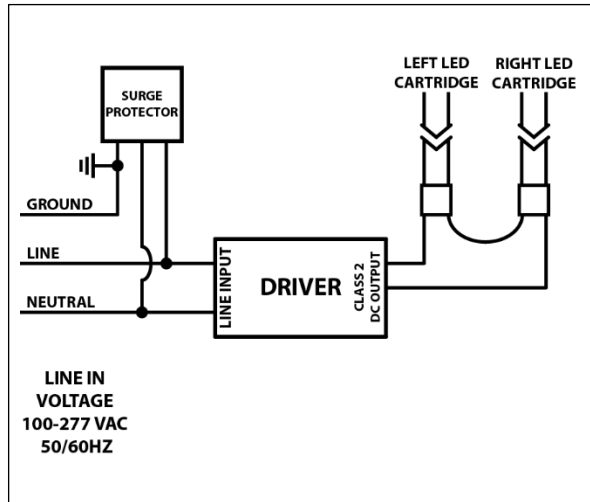


Fig. 10 – template assembly for surface mount option

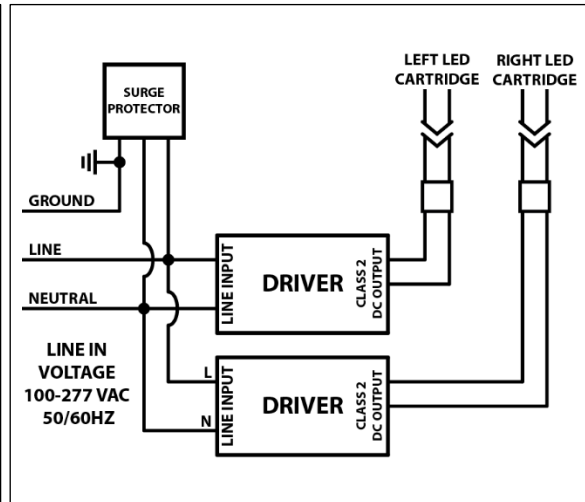
WIRING DIAGRAMS:

The following schematics are to be used to connect the unit to line voltage. It is the responsibility of the installer to make sure that all connectors are made in accordance with the NEC and local building codes. Connection hardware not included.

WARNING!: LED cartridge and driver are not rated for connection or disconnection while energized. Doing so may damage LEDs and will void the warranty. Disconnect incoming power before making or breaking any electrical connections.



PATHLIGHT TYPE 4 WIRING DIAGRAM



PATHLIGHT TYPE 5 WIRING DIAGRAM