



Non-lit

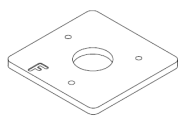


Lighted

Included components:



Unit body



Template, surface
mount



9X - 3/8-16
washer



9X - 3/8-16
hex nut



1X - 5/32"
pin-in-hex key



3X - 3/8-16 x 3-1/2"
threaded rod



3X - 3/8-16
concrete anchor

Tools Required

- safety glasses
- masonry drill with 5/8" dia bit
- compressed air and wire brush
- 9/16" wrenches
- Epoxy anchoring system for concrete
- 3/32 hex key for lighted option

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.

CAUTION! Fixtures and wiring must be installed in accordance with local codes and ordinances.

NOTES:

- Landscape Forms is not responsible for site preparation, footings, or electrical wiring.
- Failure to allow for proper drainage may void the standard Landscape Forms warranty.

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.

PROCEDURE FOR SURFACE MOUNT INSTALLATION, WITHOUT LIGHT:

2. Set the drill template in the desired position and mark hole locations. See Fig. 1 for orienting the template in the proper position.
3. Drill holes according to Fig. 2.
4. Using compressed air and wire brush, clear holes of debris.
5. Assemble the template, concrete anchor, hex nut and threaded rod as shown in Fig. 3.
6. 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.
7. Fill anchor holes with epoxy per epoxy manufacturer's recommendation.
8. Slowly set anchor template assembly into the holes. Wipe away any excess adhesive. Allow epoxy to cure.
9. Remove hex nuts from threaded rods. Remove template.
10. Install washer, two hex nuts and washer onto each threaded rod, see Fig. 5.
11. Using the pin-in-hex key provided, remove the three outer panels from the bollard. See Fig. 4. Once the screw is removed, gently lift up and out to remove the panel. Set aside on a protective surface.
12. Set bollard core over threaded rods. Install hex nut and washer, see Fig. 5.
13. Adjust the top two hex nuts as necessary to level unit.
14. Reattach the three panels.

PROCEDURE FOR INSTALLATION WITH LED LIGHT:

1. Complete steps 1-12 above.
2. Using 3/32" standard hex key, remove three screws as shown in Fig. 7.
3. Carefully lift cap up. Make wiring connections as required.
4. Gently set cap back into position and reattach the three screws.
5. Continue with step 13 above.

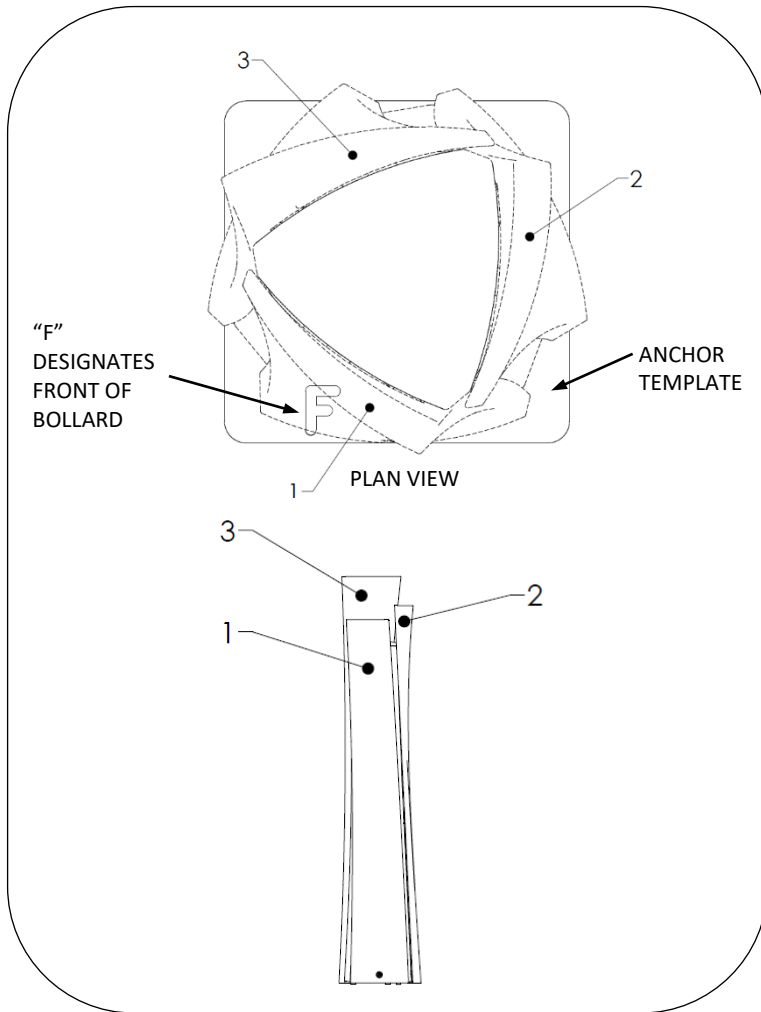


FIG. 1 – ORIENTATION OF BOLLARD AND DRILL TEMPLATE

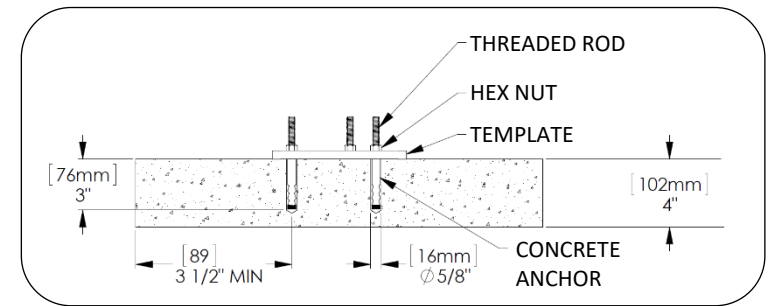


FIG. 2 – HOLE SIZE FOR SURFACE MOUNT BOLLARD

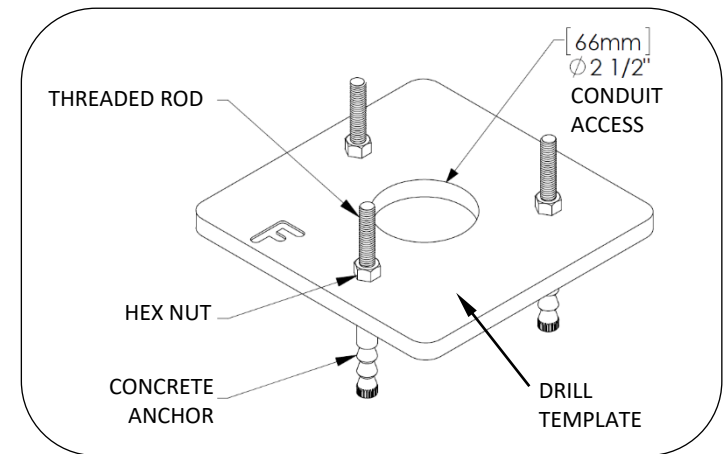


FIG. 3 – DRILL TEMPLATE ASSEMBLY

PROCEDURE FOR WIRING GUIDE:

The lighted version is assembled at the factory. The light cartridges are mounted to an inner core and will not need to be removed during installation. The LED cartridge is wired to the driver (located in the core) at the factory.

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

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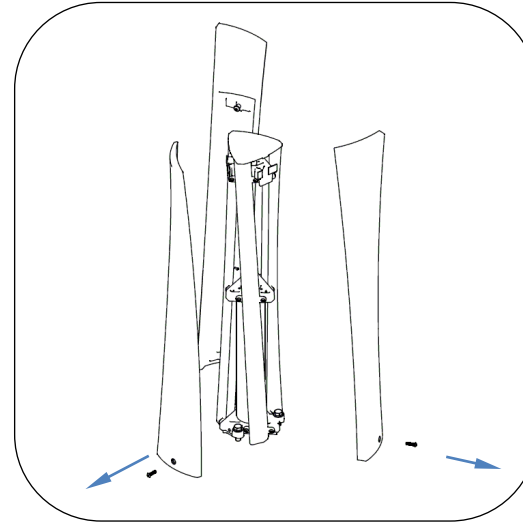


FIG. 4 – REMOVE OUTER PANELS

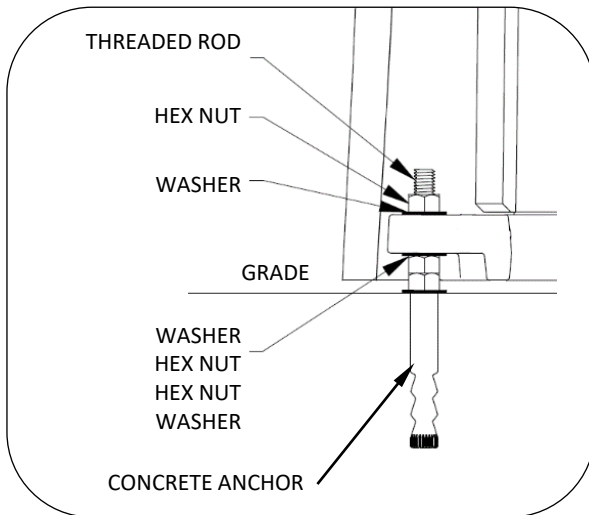


FIG. 5 – ANCHOR ASSEMBLY

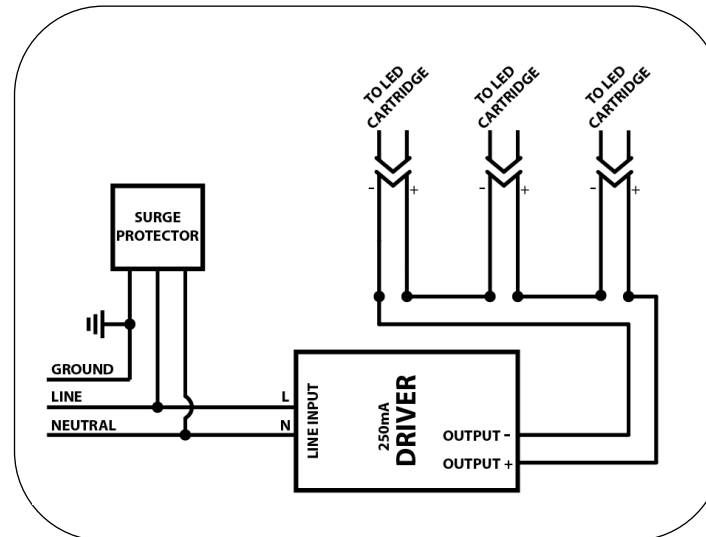


FIG. 6 – GUIDE WIRING DIAGRAM

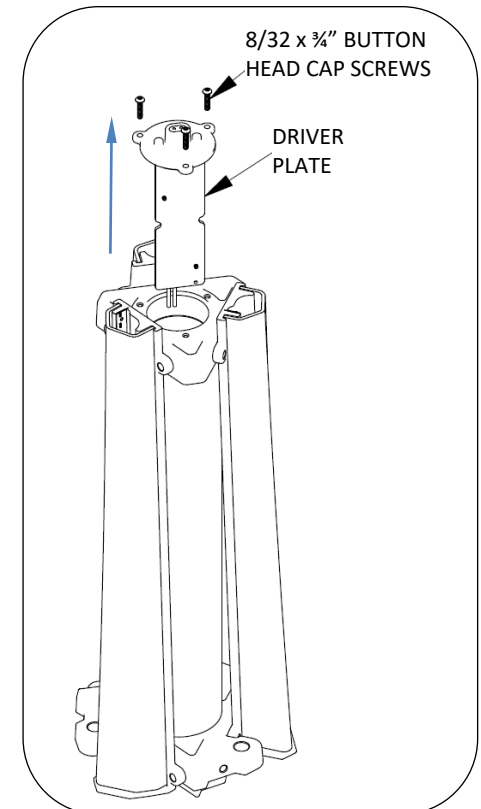


FIG. 7 – WIRING CONNECTION LOCATION