



Vertigo Base Description and Application

Function

The Vertigo base offers two primary functions. First, is the capability to align the lighting fixture in all vertical axis. This enables the end user to easily achieve and maintain a visually appealing installation. The second function is a built-in recoil action that enables a light fixture to deflect forces through a tilting motion when struck by a body or object. Once the force is removed, the fixture will return to its original position. This capability to absorb external forces ultimately aids in the avoidance of fixture damage and ongoing misalignment issues.

Application

Applicable fixtures may include path lights or installations where an integral riser is utilized. Below are key Vertigo installation requirements.

- Above ground lighting applications (Vertigo is not intended for intentional submersion)
- Light fixtures which incorporate integral risers
- Light fixture total weight less than five pounds and a height of no greater than 24"
- Fixture riser end must have a standard ½" male pipe thread connection in order to be compatible

Construction

All metallic components of the Vertigo base are made of corrosion resistant stainless steel. The plastic components are made of a very durable material suitable for withstanding environmental temperature extremes, UV exposure, and varying moisture conditions.

Warranty Terms

Visit our website at premisesinnovations.com for details regarding Vertigo product warranty.



Vertigo Installation and Set-up

Pipe Installation

The Vertigo light base is designed to be installed in conjunction with a buried 3" diameter PVC pipe segment (not included) commonly found in big box hardware stores or local pipe suppliers. The pipe ultimately provides the necessary support and stability to the base and fixture. Below are the recommended pipe installation steps prior to installation of the Vertigo base. More detailed installation information can be found at the premisesinnovations.com website.

1. Using a hacksaw, cut the PVC pipe to length. The recommended length is 12" in order to provide adequate stability to support the base and fixture. In powdery or sandy soil, an incrementally longer pipe may be necessary.
2. Slip the Vertigo base completely over the pipe. Drill a small hole at the elevation desired for the light power source leadwires to enter the pipe somewhere below the bottom edge of the Vertigo base. The hole must not interfere with the light base when slipped over the pipe. Select a diameter drill bit that is just large enough to allow the leadwire to pass through the pipe wall.
3. Dig or bore a hole approximately 8" in diameter and to a depth such that when the pipe is inserted into the hole, the top edge is at the desired elevation. Flush with the ground surface is typically adequate.
4. Pass the leadwire through the pipe wall and then fully insert the pipe down into the hole. Pull any excess leadwire through the pipe wall and stuff it inside the pipe so it is not an obstruction during the backfill step.
5. Make sure the pipe is as close to vertical as possible. Backfill around the pipe exterior up to several inches from the top of the pipe so that enough clearance remains to slip the Vertigo base over the open end. Be sure to tamp the backfill periodically so that the soil is well compressed. Tamping will assure the pipe is stable. This operation can be accomplished with the blunt end of a hammer handle, dowel rod or similar implement.

Base and Fixture Installation

With the pipe in place, the Vertigo base can be prepared for installation following the steps below.

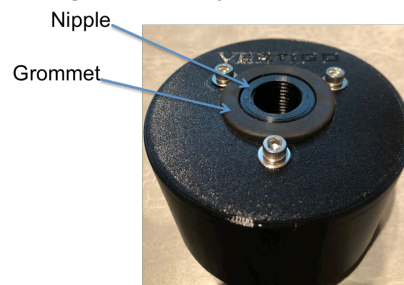
1. Pass the light fixture leadwires through the center hole in the top of the Vertigo base.
2. Thread the light fixture male end into the female threaded end of the Vertigo base and tighten lightly by hand until snug. Do not use any tools for tightening.
3. Connect the corresponding light fixture and power source leadwires inside the pipe. This is often accomplished using waterproof wire nuts or other connectors intended for this type of application.

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4. Slip the Vertigo base and light fixture assembly over the pipe and push down lightly until it is fully seated. The base should slip on the pipe very easily. If it does not, check for debris on the outer surface of the pipe and inside of the base cap that might cause binding issues. Forcing it may result in damage to the base or cause its removal in the future to be more difficult.
 5. Complete backfilling to the desired height. Do not cover the top of the Vertigo base in soil as this will limit access to the adjustment bolts on the base top. Covering the Vertigo top with mulch when complete is often done so that it is not visible.

Vertigo Set-up

With the Vertigo base installed on the pipe, adjustments to the three socket cap bolts on the top can be performed so that the light fixture is vertical in all axis. Small adjustments to these bolts alter the fixture vertical alignment in corresponding directions as needed. Additional details on Vertigo set-up and adjustment can be found at premisesinnovations.com website.

1. It is important that the top edge of the nipple that the light fixture threads into is approximately flush with the top of the rubber grommet. This is the position set when the unit was shipped. If the fitting is too low, use a 5/32" Allen wrench and rotate the three bolts evenly clockwise to bring the top of the fitting up flush with the rubber grommet. If it is too high, rotate the bolts evenly counterclockwise to lower the fitting as necessary.



2. The adjustment bolts can now be rotated in small amounts to obtain the desired vertical orientation of the light fixture. Turning clockwise moves the fixture away from the bolt being adjusted and turning counterclockwise moves the fixture towards it. **Note: Think of the three bolts similar to adjusting a table with three legs by raising or lowering the corresponding leg.**

Recoil Function Test

With the light fixture adjusted to the desired vertical orientation, use a hand to place a small side-to-side force on the top end of the light fixture. It should yield to the force by tilting and then return to its adjusted position upon removal of the hand.

Base Removal Post-Installation

The Vertigo base is designed with dimensional clearances to facilitate simple removal from the pipe once initially installed. If access inside the pipe is required, remove the soil or bark around the perimeter of the base so that it can be grasped by hand. Gently rock the base back and forth in multiple directions so as to loosen it while also pulling away from the pipe. Do not attempt to remove the base by pulling and twisting the fixture itself as this has potential to damage the light fixture or the Vertigo base assembly.