

**Installation Instructions:** PVC Stake Mount Option (Recommended For Bollards 25" & Shorter)

1. Locate the area(s) where the Bollard(s) will be placed.
2. If the Bollards are not being mounted to existing concrete or a new concrete footer then a hole will need to be dug at each location for the bollards.
3. Dig a hole (depth of PVC Pipe) for the Bollard(s) using post hole diggers. Place the dirt to the side of the hole(s) so that the excess dirt can be used as backfill if needed.
4. Begin assembling the Bollard by attaching the Universal PVC Mount (UPVCM) to the Universal Mounting Plate (UMP) using the hardware provided (shown in Figure C).
5. Next, slide the UPVCM/UMP Assembly over the 3" PVC Pipe. Then attach the UPVCM to the 3" PVC Pipe using the hardware provided (shown in Figure C). **Before attaching the PVC Pipe to the UPVCM, ensure that the top of the PVC Pipe is pushed completely inside the UPVCM.**

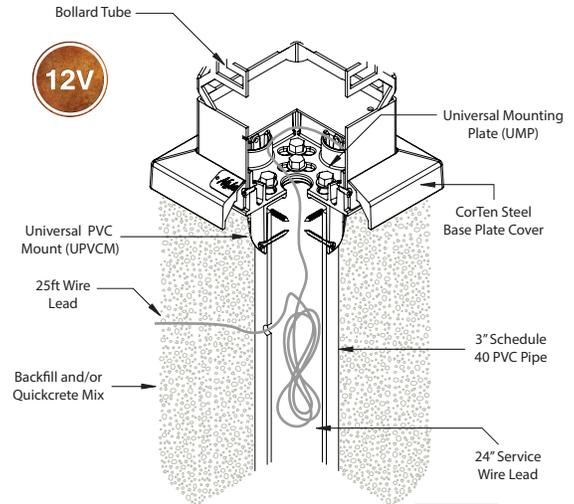


Figure A

**Example: 6x6x21" St James**

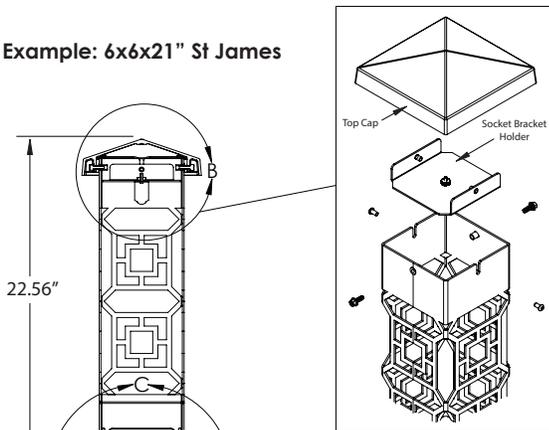


Figure B

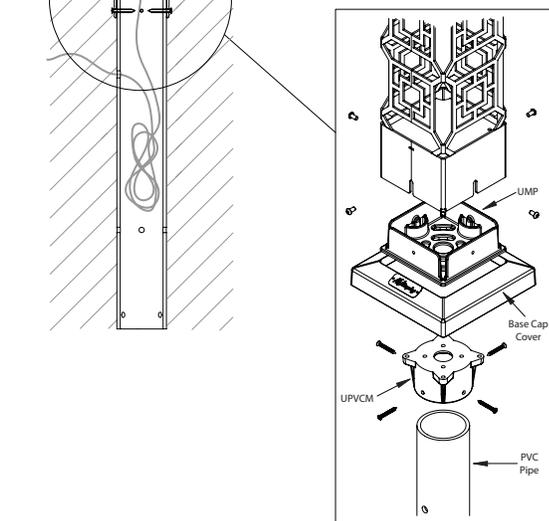


Figure C

6. Before inserting the UPVCM/UMP Assembly into the base of the Bollard Tube, slide the Base Cap Cover (shown in Figure C) over the base of the Bollard Tube.
7. Once you have the Base Cap Cover on the base of the Bollard Tube, run the 25' Lead Wire from the base of the Bollard Tube through the PVC Pipe exiting through the hole in PVC Pipe (shown in Figure A). Make sure to leave approximately 24" of lead wire inside of the PVC Pipe so future service work can be performed.
8. Slide the Bollard Tube over the UPVCM/UMP Assembly and secure with the hardware provided. Securely fasten the UMP to the Bollard Tube with the hardware provided (shown in Figure A).
9. Now place the fully assembled Bollard into the hole. Backfill the hole with the dirt that was removed earlier. Firmly tamp the dirt around the 3" PVC Pipe and Bollard to ensure that the Bollard is level and secure. **Make sure that the top of the UPVCM is sitting about 1/2" above the ground level.** Not following these instructions will void all warranties.
10. **Optional: Quickcrete can also be used around the PVC Pipe.** If using Quickcrete, ensure that the Quickcrete does not extend above the hole shown in Figure A for the wire. Fill the remaining part of the hole with the excess dirt. Firmly tamp the dirt around the PVC Pipe and Bollard to ensure that the Bollard is level and secure.
11. Connect the lead wire from the luminaire to the power supply line using lithium grease filled wire nuts.
12. **Note: Light Glare can be reduced with the Adjustable Socket Holder (Shown in Figure B) by adjusting the two set screws on the side of the Bollard or adjusting the thumb screw located in the center of the Socket Bracket.**

