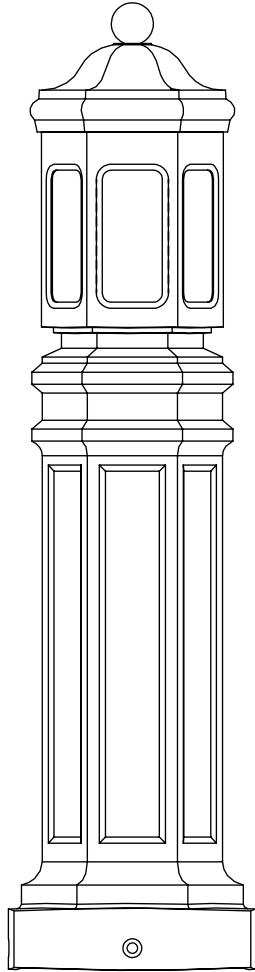
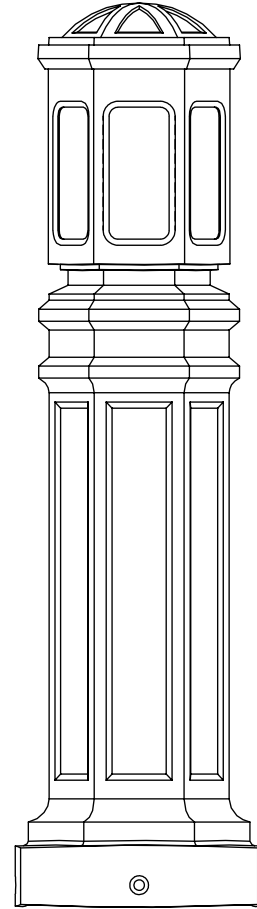


**INSTALLATION INSTRUCTIONS:
OB361 AND TB361 BOLLARDS**

OB361



TB361

CAUTION

1. The electrical power must be disconnected from the fixture and pole before installing, servicing, or relamping the fixture.
2. These directions must be read carefully and adhered to. Failure to do so may result in injury, damage to the fixture, and voiding the warranty.



This fixture is intended for installation in accordance with the National Electrical Code and local code specifications. Failure to adhere to these codes and instructions may result in serious injury and/or damage to the ballast and void the warranty. These instructions do not purport to cover all details or variations in equipment, nor to provide for every possible contingency related to installation, operation, maintenance, or mounting situation. Should specific problems occur that are not addressed by these instructions, contact your Sales Representative or distributor for assistance. Retain these instructions for future reference.

TOOLS REQUIRED FOR INSTALLATION

1. 3/4" wrench
2. 3/16" allen wrench
3. Wire connectors
4. Phillips head screw driver
5. 3/32" allen wrench

TOOLS REQUIRED FOR REPLACING BALLAST

1. Phillips head screw driver
2. 3/32" allen wrench

TOOLS REQUIRED FOR RE-LAMPING

1. 3/32" allen wrench

INSTALLATION (See FIGURE 1)

WARNING - The power **MUST** be turned off prior to proceeding. Read these instructions carefully. If any problems are encountered that are not covered in these instructions, contact Hadco for assistance.

- STEP 1: Install (4) 1/2" anchor rods on a 6-8" bolt circle with 2" of each rod above the ground line.
(Use mounting template #T01000436 for anchor rod installation)
- STEP 2: Using the 1/2" hex nuts & washers (supplied), assemble the mounting plate to the anchor rods.
- STEP 3: If the bollard has an integrated LED module then lay bollard next to mounting plate and connect the incoming power supply wires to the fixture supply wires at base of the bollard, set bollard on mounting plate and insert (4) 5/16-18 flat head screws at base then skip to step 10.
- STEP 4: Remove roof, lay bollard next to mounting plate and pull incoming power supply wires up through top of bollard.
- STEP 5: Set bollard on mounting plate and insert (4) 5/16-18 flat head screws at base.
- STEP 6: Using wire nuts, connect the incoming power supply wires to the fixture supply wires coming from the ballast assembly.
- STEP 7: Insert the ballast assembly into bollard and twist keyslots onto (2) #8-32 pan head screws. Tighten screws to secure ballast assembly.
- STEP 8: Install the correct lamp as specified on the lamp label next to the socket. For screw-in LED lamp, install supplied lamp.
- STEP 9: Replace roof and insert the (2) #8-32 flat head screws.
- STEP 10: Connect power and test the fixture for proper operation.
- NOTE: If optic louvers are used, louvers must first be removed from ballast assembly, then install the ballast assembly, replace louvers and finally install lamp.

LAMP REPLACEMENT

- NOTE: It is a good idea to clean the fixture each time you relamp. Avoid using harsh solvents or abrasives.
- STEP 1: Remove (2) #8-32 flat head screws and remove the roof.
- STEP 2: Remove the old lamp and dispose of it in accordance with local codes and regulations.
- STEP 3: Install a new lamp, referring to the lamp label next to the socket to ensure using the correct type. For screw-in LED, consult factory for replacement lamps.
- STEP 4: Replace the roof and insert the (2) #8-32 flat head screws.

BALLAST REPLACEMENT

- NOTE: For integrated LED module, consult factory for assistance replacing the driver.
- STEP 1: Remove the (2) #8-32 flat head screws and remove the roof.
- STEP 2: Remove the lamp.
- STEP 3: Loosen but don't remove (2) #8-32 pan head screws from top of ballast assembly.
- STEP 4: Twist ballast assembly and pull out of bollard. Disconnect the blue quick-connects.
- STEP 5: Check to make sure that the lamp type and wattage correspond to the NEW ballast type and wattage.
- STEP 6: Check the NEW ballast module for proper voltage.
- STEP 7: Reconnect blue quick-connects and insert NEW ballast assembly back into bollard. Twist keyslots onto (2) #8-32 pan head screws and tighten screws to secure ballast.
- STEP 8: Replace lamp and roof.
- NOTE: If optic louvers are used, louvers must be removed before ballast assembly can be removed from bollard.

DISCLAIMER

While we believe these instructions to be accurate at the time of publication, Hadco reserves the right to make changes to this fixture and/or components. The contractor should follow local and National Electrical Codes where required. For any further information please contact Hadco customer service.

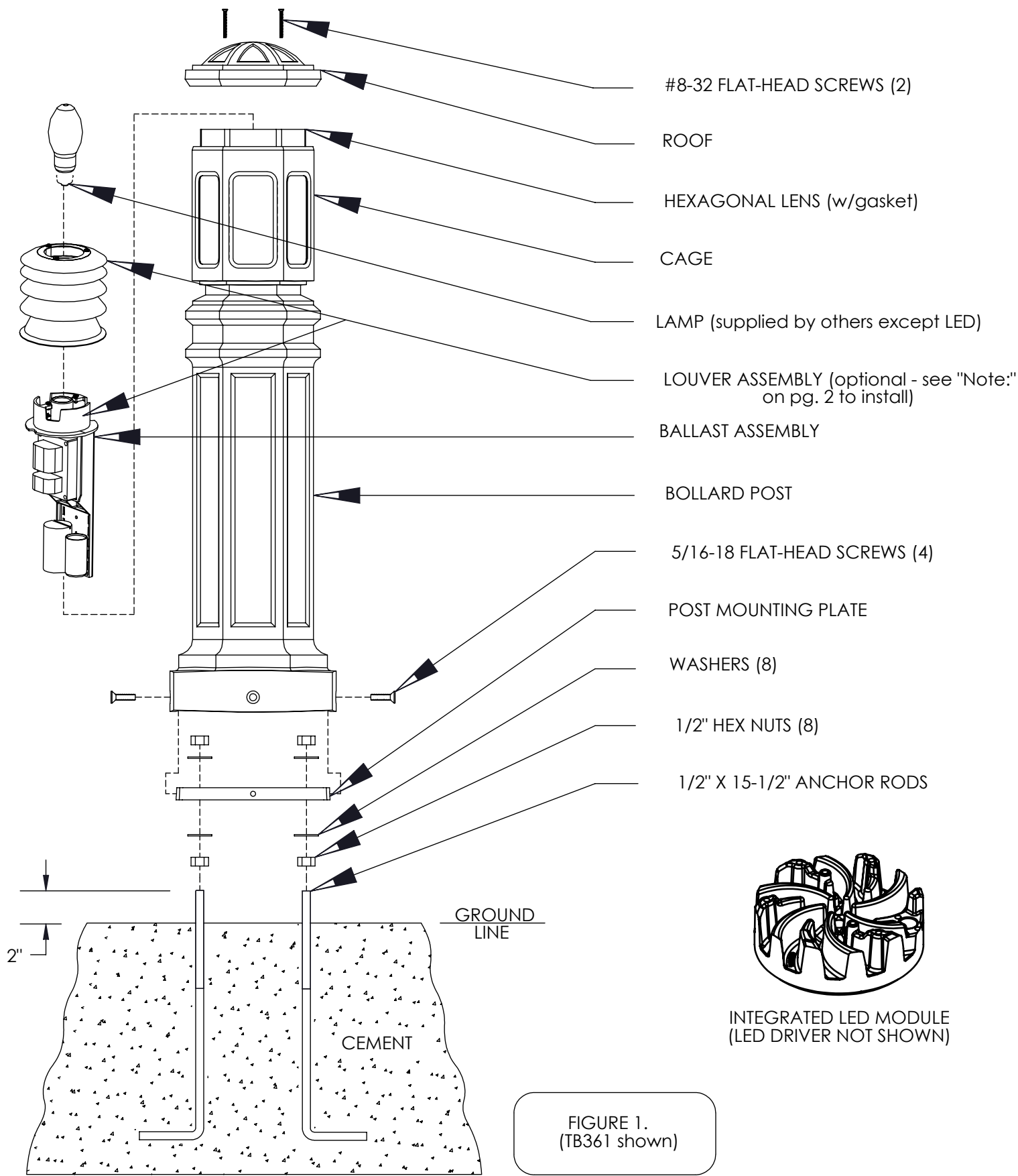


FIGURE 1.
(TB361 shown)

REPLACEMENT COMPONENTS

OB361-ROOF(*)	ROOF FOR OB361
TB361-ROOF(*)	ROOF FOR TB361
OBTB361-CAGE(*)	CAGE ASSEMBLY (does not include panels)
OBTB361-LOUVERS(*)	OPTIC LOUVERS (includes cast spacer)
OBTB361-LENS-REFR	HEXAGONAL TYPE 5 REFRACTIVE LENS (includes gasket)
OBTB361-LENS-CLR	HEXAGONAL CLEAR LENS (includes gasket)
OBTB361-LENS-OPAL	HEXAGONAL OPAL LENS (includes gasket)
OBTB361-POST(*)	BOLLARD POST
OBTB361-PLATE(*)	POST MOUNTING PLATE

(*) = MUST SPECIFY FINISH (A-Black, B-White, G-Verde, H-Burnished Bronze, J-Green)

REPLACEMENT BALLAST ASSEMBLIES (includes socket & ballast bracket):

OBTB361-(*)50S(**)	50W HPS	MEDIUM SOCKET
OBTB361-(*)70S(**)	70W HPS	MEDIUM SOCKET
OBTB361-(*)100S(**)	100W HPS	MEDIUM SOCKET
OBTB361-(*)50H(**)	50W MH (Not available in 347V)	MEDIUM SOCKET
OBTB361-(*)70H(**)	70W MH	MEDIUM SOCKET
OBTB361-(*)100H(**)	100W MH	MEDIUM SOCKET
OBTB361-(*)26F(**)	26W FLUORESCENT	GX24q-3,4 SOCKET
OBTB361-(*)32F(**)	32W FLUORESCENT	GX24q-3,4 SOCKET
OBTB361-(*)42F(**)	42W FLUORESCENT	GX24q-3,4 SOCKET
OBTB361-(*)100IE	100W INCANDESCENT, 120V & 12W LED, 120V	MEDIUM SOCKET MEDIUM SOCKET

(*) = MUST SPECIFY FINISH (A-Black, B-White, G-Verde, H-Burnished Bronze, J-Green)

(**) = MUST SPECIFY VOLTAGE (E - 120V, F - 208V, G - 240V, H - 277V, K - 347V)