

SAVE THESE INSTRUCTIONS

• **Danger:** Always disconnect power before wiring, or maintenance. Fixture must be installed by a qualified electrician. Do not install in locations where water collects and/or stands for prolonged periods of time. Fixture must always be installed according to local and national electrical codes, rules & regulations. Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).

• **Warning:** The joint MUST be sealed between the mounting surface (e.g., wall, ground, ceiling, etc.) and the fixture with an appropriate sealing / caulking compound to provide a watertight seal. Seal all conduit opening(s) and opening(s) from water entry. Before service ensure fixture is cool to touch. Always ensure that all gaskets and sealing surfaces are free of dirt and debris.

LED fixture(s), LED driver(s) and LED electrical components are more precise electrically than standard non LED products (e.g. Incandescent, Compact Fluorescent, H.I.D., etc.). Please follow the following guidelines/requirements when installing LED fixture(s)/LED driver(s).

1. Install LED fixture(s) and/or LED driver(s) only on their own circuit. Do not mix any other non LED products/fixtures (e.g., Incandescent, Compact Fluorescent, H.I.D., etc.) with LED fixture(s)/LED driver(s) on a single circuit.

2. Do not use any other electrical equipment (e.g., surge protectors, photocells, etc.) that is not (rated) for use with LED fixture(s)/LED driver(s) on the same circuit as LED fixture(s)/LED driver(s).

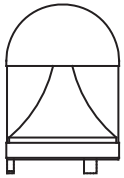
3. Use GFCI's (by others) on each circuit (per installation instructions) appropriate for the installation.

4. Install remote surge protector(s) (by others, goes on the circuit with nothing between the surge protector and the LED fixture(s)/LED driver(s)), if the fixture is not already installed with a surge protector, to help remove power surges that may harm LED fixture(s), appropriate for the installation. Periodically check and make sure that your remote surge protector(s) are in good working order.

5. Keep fixture and clear len free of dirt, debris (includes ice and snow).

Components / Parts (NOTE: ALL HARDWARE FOR EACH HEAD IN BOX WITH HEAD).

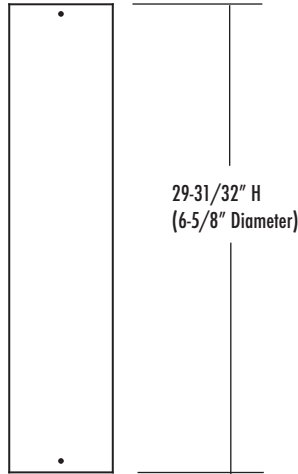
Components Dimensions Tools Required



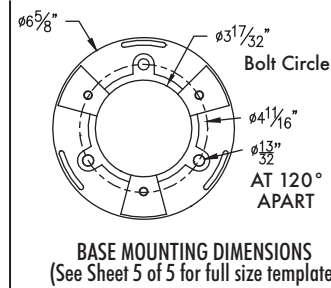
BL30 HEAD (1)
With cord (not shown)
(INSTALLED IN POST)



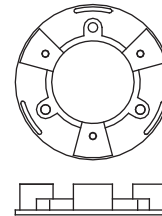
BL31 HEAD (1)
With cord (not shown)
(INSTALLED IN POST)



POST (1)



BASE MOUNTING DIMENSIONS
(See Sheet 5 of 5 for full size template)



BASE (1)

- Phillips Head Screwdriver
- Hardware (screws, nuts, etc., By others)
- DO NOT USE POWER TOOLS.
- ONLY USE HAND TOOLS.

ANCHOR BOLT KIT # ABKT-G-516-3
INCLUDES:
- 5/16"-18 x 8" LONG ANCHOR BOLT, GALV. STL (3)
- 5/16"-18" NUT, GALV. STL (6)
- 5/16"-18" SPLIT LOCK WASHER, GALV. STL (3)
- 5/16" WASHER, GALV. STL (6)

M6 X 10MM L. CONE POINT SET SCREWS (Uses M3 Hex).
((3) EACH INSTALLED IN EACH POST - AT TOP),

M6 X 12MM L. CONE POINT SET SCREWS (Uses M3 Hex).
((3) EACH INSTALLED IN EACH POST - AT BASE),

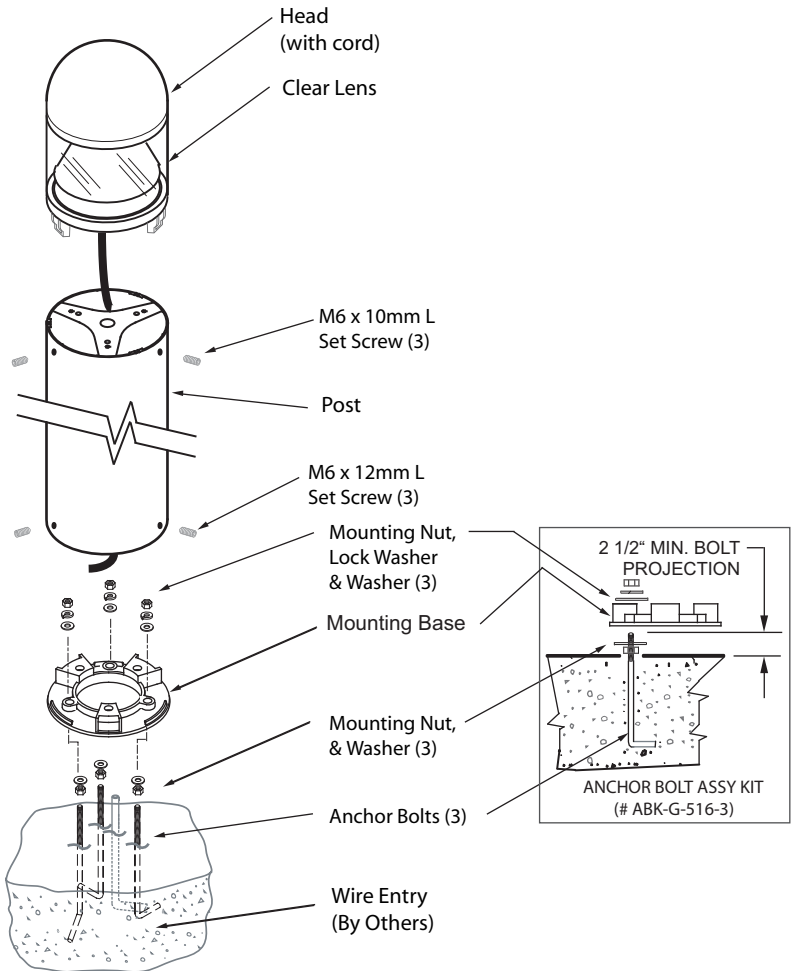
M3 ALLEN KEY (1)
(INCLUDED)

SAVE THESE INSTRUCTIONS

CATALOG # : BL30, BL31

BOLLARD LUMINAIRE

SAVE THESE INSTALLATION INSTRUCTIONS



(BL30 Bollard shown)

Required Tools:
3 mm allen wrench

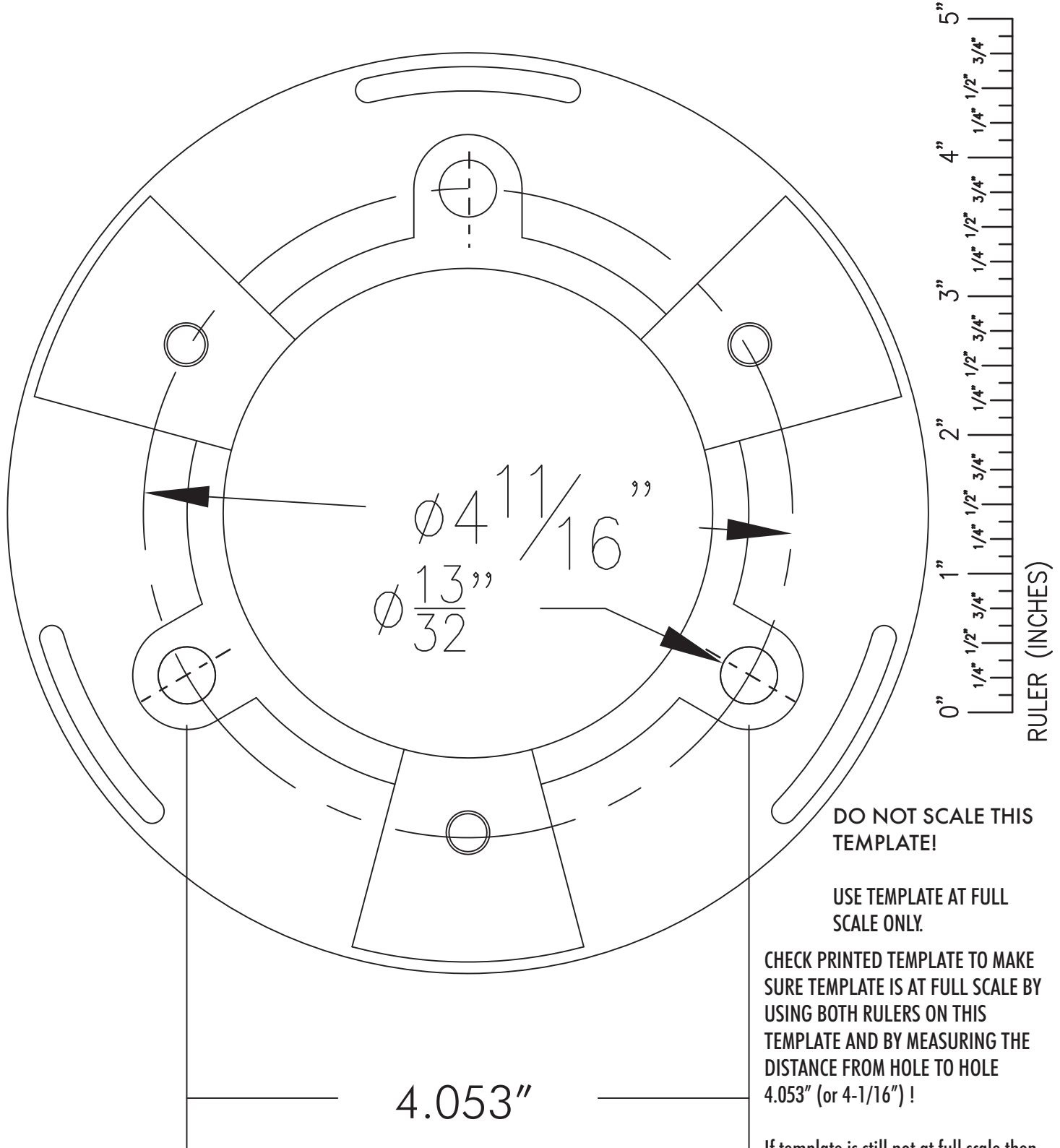
Fixture Installation:

1. Assemble Anchor Bolt Assembly Kit as shown below or use anchor sleeves or other sleeves. Follow your national, state or local codes as required.
2. Secure Anchor Bolt Assembly Kit in a solid substrate, making sure that the anchor plate is at grade level (see below) and level, and wiring (by others) to the fixture is in place. Make sure Anchor Bolt Assembly Kit is solid before going to Step 3. Use only 1) Anchor Bolt Assembly Kit or 2) fixture "Base" with anchor bolts and supplied hardware (or any appropriate hardware) to install fixture.
3. Loosen 3 set screws at base of Luminaire Post with allen wrench and remove Mounting Base. Remove from top of Anchor Plate the nuts, lock washers and washers and install Mounting Base on top of Anchor Plate. Replace nuts, lock washers and washers (see below diagram) and tighten.
4. Wire fixture per wiring instructions and install post on mounting base using 3 set screws.
5. Install head on post and tighten set screws with M3 hex key.

WIRING:

6. Make sure fixture is installed (see Fixture Installation above).
7. Connect ground wire (green or bare copper) from the supply circuit to the ground (green or bare copper) wire/screw/connector from the luminaire.
8. Connect the neutral (white) wire from the supply circuit to the neutral (white) wire/screw/connector from the luminaire.
9. Connect the hot wire from the power supply to the hot (Lead or black) wire from the luminaire.
10. Secure connection using UL Listed wire nuts/connectors (by others) and with UL Listed Electrical tape (by others) appropriate for the connection.
11. Continue with fixture installation note 5 above.

INSTALLATION INSTRUCTIONS

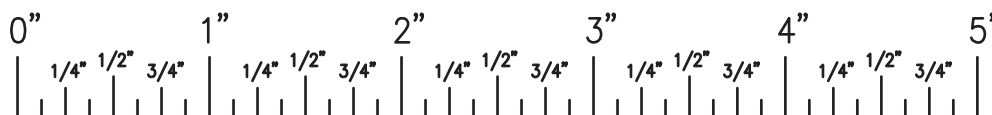


DO NOT SCALE THIS TEMPLATE!

USE TEMPLATE AT FULL SCALE ONLY.

CHECK PRINTED TEMPLATE TO MAKE SURE TEMPLATE IS AT FULL SCALE BY USING BOTH RULERS ON THIS TEMPLATE AND BY MEASURING THE DISTANCE FROM HOLE TO HOLE 4.053" (or 4-1/16") !

If template is still not at full scale then use Base.



RULER (INCHES)