



BL2RZ Series bollard. Suitable for wet locations, Suitable for mounting 4 feet of the ground.

## INSTALLATION INSTRUCTIONS for BL2RZ Series

READ AND UNDERSTAND ALL INSTALLATION INSTRUCTIONS BEFORE INSTALLING FIXTURE!

## SAVE THESE INSTRUCTIONS

CATALOG#: BL2RZ-31, BL2RZ-40, BL2RZ-59, BL2RZ-78, BL2RZ-98, BL2RZ-118

• **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.

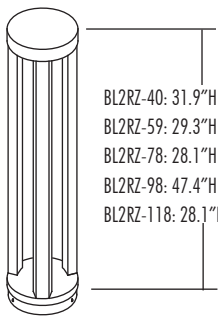
4. Install remote surge protector(s) (by others, goes on the circuit with nothing between the surge protector and the LED fixture(s)/LED driver(s) ), if the fixture is not already installed with a surge protector, to help remove power surges that may harm LED fixture(s), appropriate for the installation.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

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

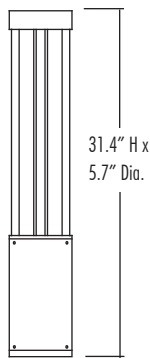
## Components / Parts (NOTE: ALL HARDWARE FOR EACH FIXTURE IN POST).

## Components Dimensions

## Tools Required

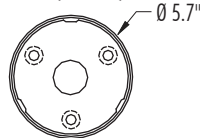


BL2RZ-40: 31.9" H x 5.7" Dia.  
BL2RZ-59: 29.3" H x 5.7" Dia.  
BL2RZ-78: 28.1" H x 5.7" Dia.  
BL2RZ-98: 47.4" H x 5.7" Dia.  
BL2RZ-118: 28.1" H x 5.7" Dia.

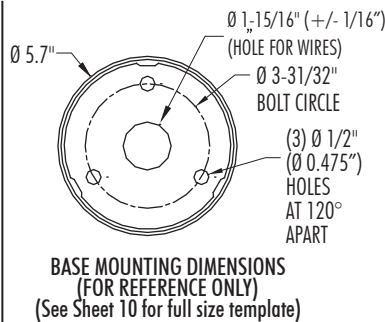


BL2R (31) (1)  
(POST & HEAD)  
Fully assembled

BASE (1 each)  
(BL2R-31)



1-3/16"



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

ANCHOR BOLT KIT # ABKT-G-516-3  
(BL2R-31 FIXTURE ONLY)

## INCLUDES:

- 5/16"-18 x 8" LONG X 2" LEG 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)

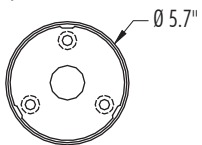
ANCHOR BOLT KIT # ABKT-S-M12-3-T2  
(FOR BL2R-59, BL2R-78, & BL2R-98 FIXTURES)

## INCLUDES:

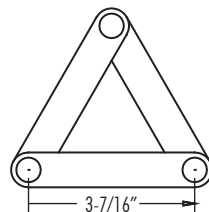
- M12 x 11-3/4" LONG x 2" LEG ANCHOR BOLTS, STAINLESS STL (3)
- M12 (REGULAR HEIGHT) NUTS, STAINLESS STL (6)
- M12 (LOW HEIGHT LEVELING) NUTS, STAINLESS STL (6)
- M12 SPLIT LOCK WASHERS, STAINLESS STL (3)
- M12 WASHERS, STAINLESS STL (6)
- TRIANGULAR METAL TEMPLATE (2) (SEE LEFT FOR DIMENSIONS)

POST (1)  
FOR BL2R-59, BL2R-78,  
& BL2R-98

BASE (1 each)  
(BL2R-59, BL2R-78, BL2R-98)



3-1/8" H (BL2R-59) OR  
4-3/4" H (BL2R-78, BL2R-98)



Triangular Metal  
Template (2)  
For BL2R-59, BL2R-78 &  
BL2R-98 &

M5 x 12mm L Flat Socket Head  
Screws (M3 Allen Key)  
(3) FOR BL2R (-31)  
(6) FOR BL2R (-59), BL2R (-78), &  
BL2R (-98)



ALLEN KEYS:  
T25 TORX TAMPER  
RESISTANT ALLEN KEY (1)  
For BL2R-59, BL2R-78 &  
BL2R-98 &  
M3 ALLEN KEY (1)  
M2.5 ALLEN KEY (1)

INSTALLATION INSTRUCTIONS

### BL2RZ Series Bollard

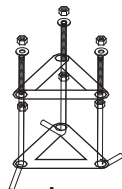
(BL2RZ (-59/-78/-98/-118) Bollard shown for clarity)



(BL2RZ HEAD)

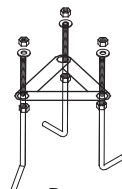
#### STEP 1

ANCHOR BOLT kit assembled with triangular template



(2 triangular templates)

OR



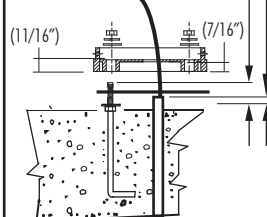
(1 triangular template)

#### STEP 2

3/8" to 1/2" WIRE ENTRY TUBE PROJECTION

FIG A

1-3/4" MINIMUM ANCHOR BOLT PROJECTION



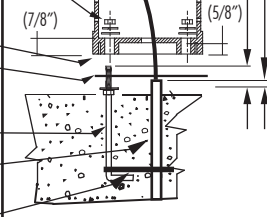
INSTALLATION HEIGHTS  
FOR BL2RZ-31 BASE &  
ANCHOR BOLT  
ASSY KIT  
(# ABKT-G-516-3)

#### STEP 2

3/8" to 1/2" WIRE ENTRY TUBE PROJECTION

FIG B

2" MINIMUM ANCHOR BOLT PROJECTION



INSTALLATION HEIGHTS  
FOR BL2RZ-59/-78/-98 BASE &  
ANCHOR BOLT  
ASSY KIT (# ABKT-S-M12-3-T2)

#### STEP 3

M5 x 12mm L Flat Socket Head Screws (M3 Allen Key)

POST DOOR FOR BL2RZ (-59), BL2RZ (-78), & BL2RZ (-98)

(BL2RZ POST)

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#### Fixture Installation:

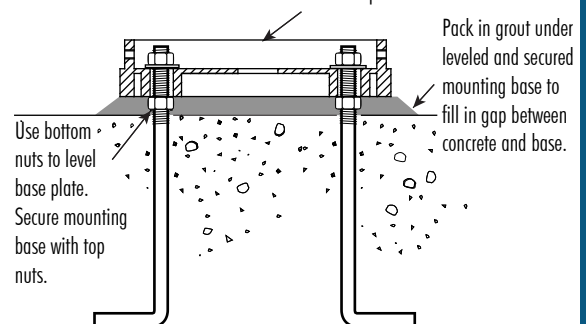
- 1) Assemble Anchor bolt assembly kit as shown with triangular metal template or base (or template on page 3)
- 2) Secure Anchor bolt assembly kit (with triangle templates or base) in a solid substrate (FIG A or B), make sure that the triangular metal template is at grade level or slightly above and level with wiring (by others) to the fixture are in place. Make sure anchor bolt assembly is solid in substrate before going to step 3.
- 3) Loosen 3 or 6 screws at base of housing with the supplied M3 hex wrench and remove the mounting base.
- 4) Remove the triangular metal template leaving the bottom nuts in place and replace with mounting base.
- 5) Level base with bottom nuts and secure with top nuts, once level, fill in any gaps with grout (by others).
- 6) Wire fixture per wiring instructions shown below (WIRING) from bottom of fixture housing for BL2RZ-31 or from driver access door on larger models using the tamper proof Torx key. Mount housing to base with M3 hex wrench, start threads on all screws before tightening being careful not to cross thread.

#### WIRING

- 7) Connect ground wire (green or bare copper) from the supply circuit to the ground terminal from the luminaire.
- 8) Connect the neutral (white) wire from the supply circuit to the neutral terminal from the luminaire.
- 9) Connect the hot (black) wire from the supply circuit to the hot terminal from the luminaire.

#### IMPORTANT STEP 5

Mounting base must be level for column to be plumb.



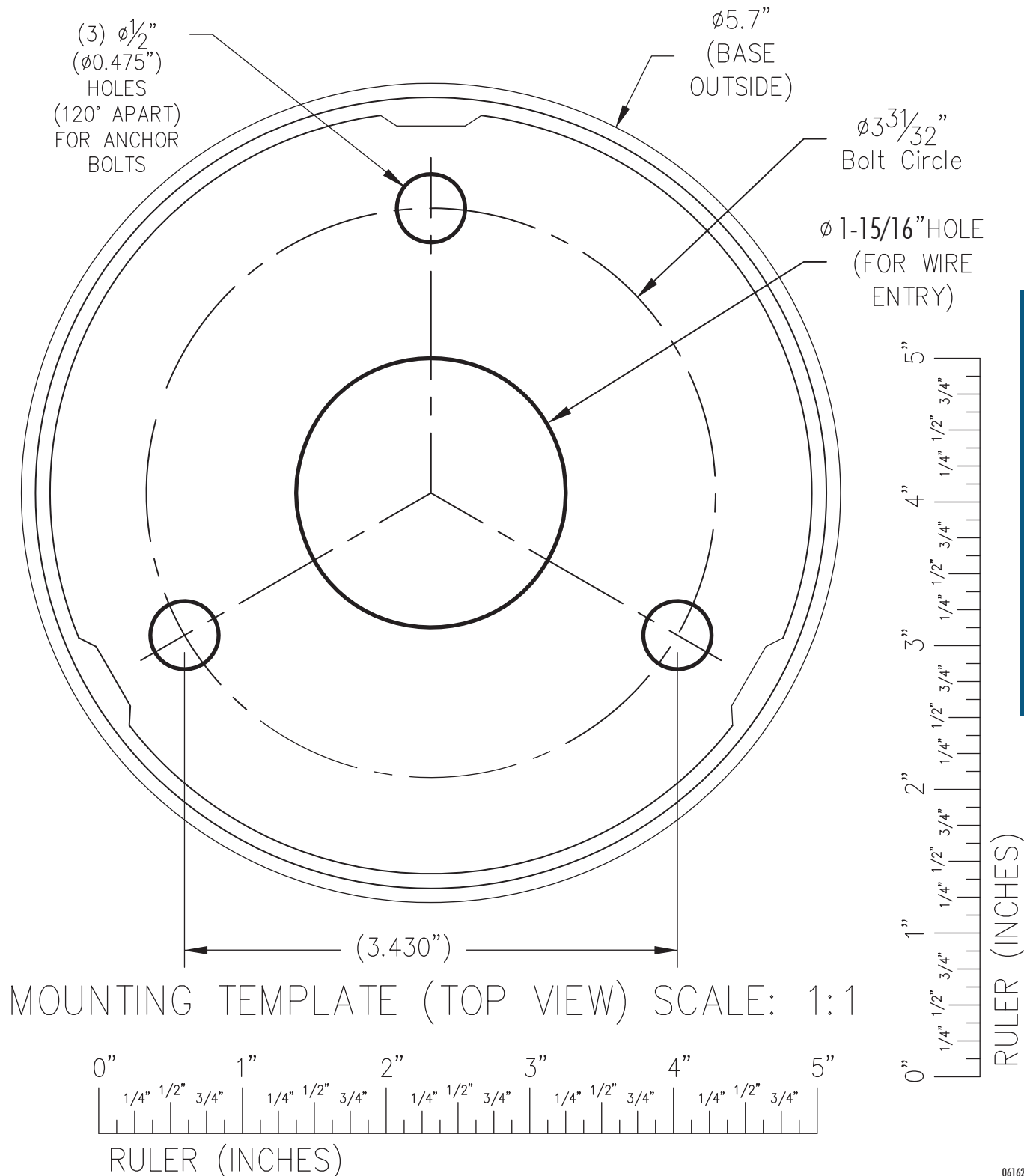
## SAVE THESE INSTRUCTIONS

### Mounting Template for BL2RZ Series Anchor bolt template

**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 3.430" (Approximately 4-7/16") !

If template is still not at full scale then use the fixture base BL2RZ-31, BL2RZ-59, BL2RZ-78, BL2RZ-98 or the Triangular Metal Template



INSTALLATION INSTRUCTIONS