

Standard Installation

STEP STAR

BOLLARD - ANCHOR BASE - LED/MR16 LOW VOLTAGE



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:	
	1/8" Allen Wrench
	Waterproof Wire Connectors
	Mounting Hardware
	Drill

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted fixture is HOT!

WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:

Turn off/unplug and allow to cool before replacing lamp/LED. Fixture gets HOT quickly! Contact only switch/plug when turning on. Do not touch hot lens, guard, or enclosure. Keep fixture away from materials that may burn. Do not operate the luminaire fitting with a missing or damaged shield. Do not touch the source at any time. Use a soft cloth or gloves. Oil from skin may cause damage.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.
- Before wiring to power supply and during servicing, turn off and lock out power at fuse or circuit breaker before service.
- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.
- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.
- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

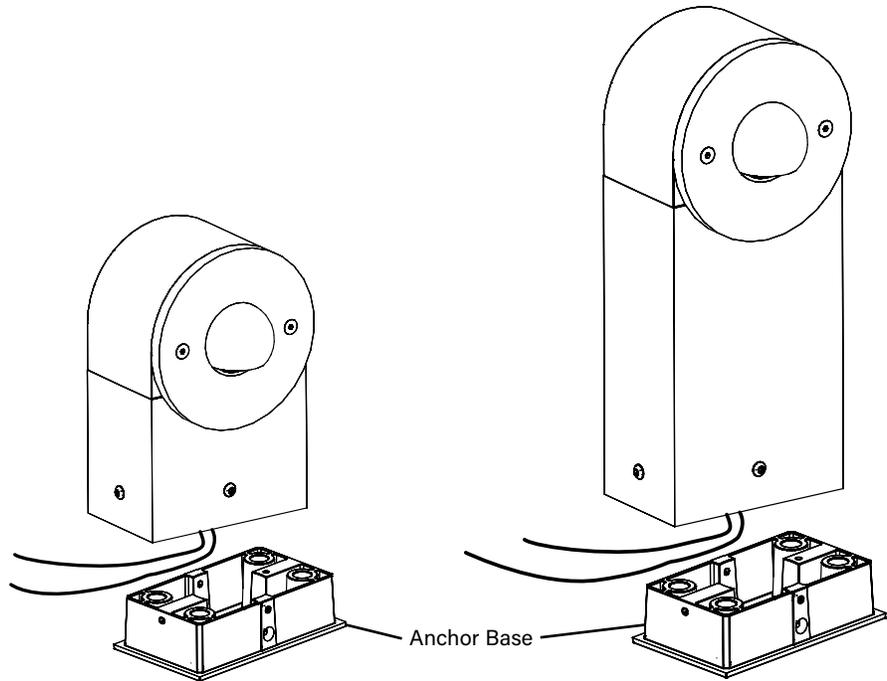
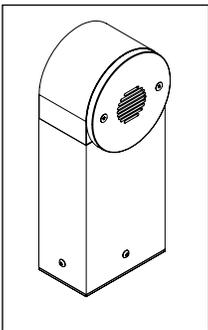
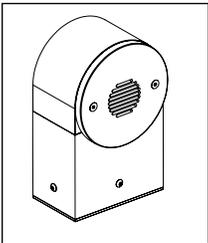
IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations
- Suitable for Indoor/Outdoor use

Please refer to the low voltage design guide at "<https://www.bklighting.com/resources/>" before installation for proper wire selection.

This set of instructions works for:

SS-BO - Step Star Bollard



IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

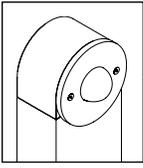
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
 559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASE DATE
 02/16/2024

REFERENCE NUMBER
 INS000733

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.



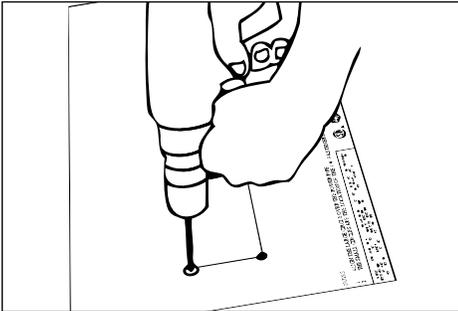
Standard Installation

STEP STAR

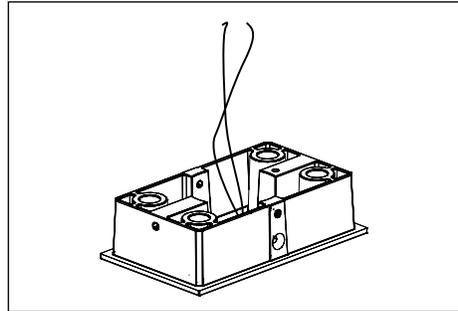
BOLLARD - ANCHOR BASE - LED/MR16 LOW VOLTAGE

**TRANSFORMER HOUSING MUST BE INSTALLED ABOVE GRADE.
TRANSFORMER HOUSING INSTALLED BELOW GRADE WILL VOID WARRANTY**

Anchor Base Installation

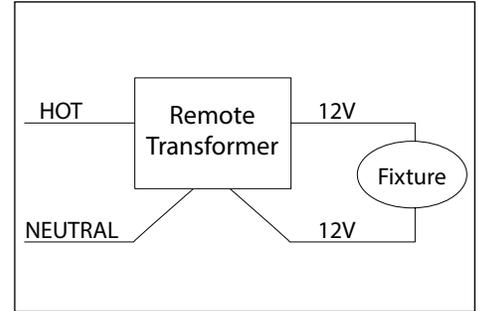


1. Determine suitable anchors to attach anchor base to architectural surface.
2. Place provided template in final mounting position according to designed lighting plan.
3. Drill holes into surface for maximum 7/16" fasteners on locations illustrated on template. Base mounting hole locations is 1-1/2" on center by 3-1/2" on center apart.



4. Pull low voltage wire or pull branch circuit wires necessary for installation through anchor base.

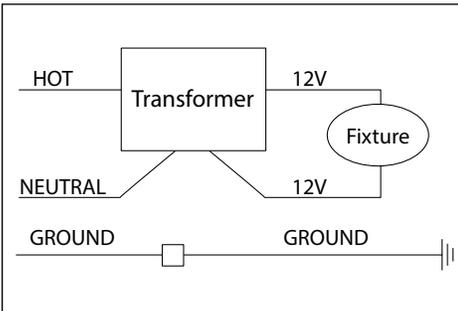
Anchor base can accommodate up to two (2) 1/2" conduits.



WIRING DIAGRAM

Remote Transformer

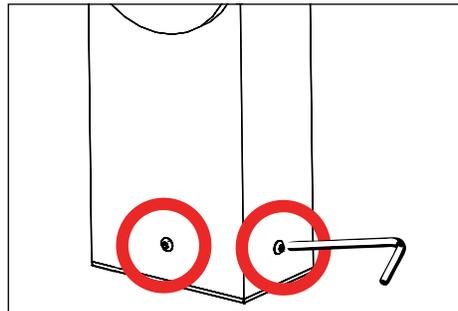
5. Make watertight connections from remote transformer to fixture source leads using waterproof wire connectors. **See wiring diagram.**



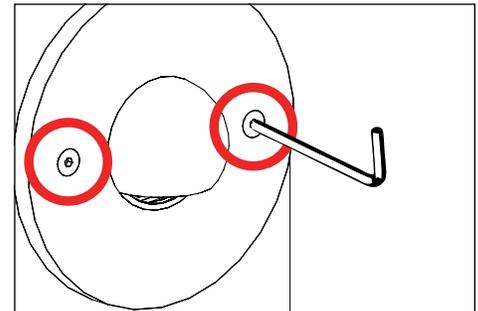
WIRING DIAGRAM

Integral Transformer

6. Use waterproof wire connectors to make watertight connections from transformer primary leads to branch circuit wires. Connect incoming ground to ground wire provided in fixture body. **See wiring diagram.**



7. Place fixture on anchor base and tighten four (4) #10-32 stainless steel button head cap screws using a 1/8" allen wrench.



8. Use a 1/8" allen wrench to loosen #10-24 stainless faceplate screws to remove faceplate, for access to source.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

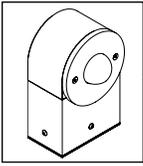


B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASE DATE
02/16/2024

REFERENCE NUMBER
INS000733



STEP STAR

BOLLARD - POWER PIPE - LED/MR16 LOW VOLTAGE

Standard Installation



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:



- 1/8" Allen Wrench
- Waterproof Wire Connectors
- Mounting Hardware

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS IMPORTANT SAFETY INSTRUCTIONS

Lighted fixture is HOT!

WARNING - To reduce the risk of FIRE OR INJURY TO PERSONS:

Turn off/unplug and allow to cool before replacing lamp/LED. Fixture gets HOT quickly! Contact only switch/plug when turning on. Do not touch hot lens, guard, or enclosure. Keep fixture away from materials that may burn. Do not operate the luminaire fitting with a missing or damaged shield. Do not touch the source at any time. Use a soft cloth or gloves. Oil from skin may cause damage.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.
- Before wiring to power supply and during servicing, turn off and lock out power at fuse or circuit breaker before service.
- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.
- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- Never operate the fixture with missing or damaged lens. Lens must be cleaned on regular basis.
- Entire fixture may become extremely hot. Do not touch hot lens or fixture body.
- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

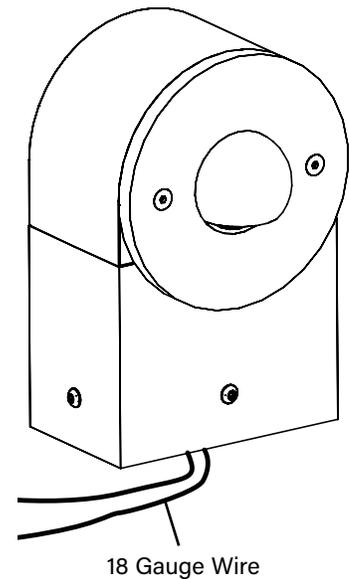
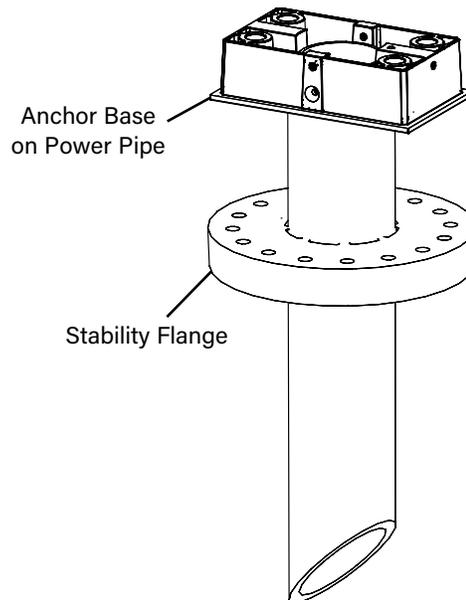
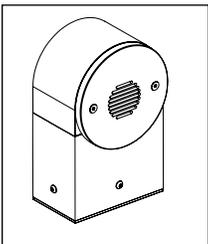
IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations
- Suitable for Indoor/Outdoor use

Proper soil preparation is recommended before installation. See the DIG-IT guide at www.bklighting.com/collaterals/install/digit.pdf for more information.

This set of instructions works for:

SS-BO - Step Star Bollard



IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE THESE INSTALLATION INSTRUCTIONS

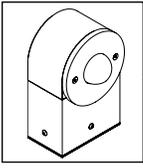
B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASE DATE
02/16/2024

REFERENCE NUMBER
INS000733

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.



Standard Installation

STEP STAR

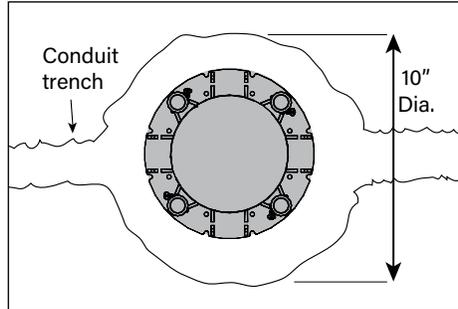
BOLLARD - POWER PIPE - LED/MR16 LOW VOLTAGE

TRANSFORMER HOUSING MUST BE INSTALLED ABOVE GRADE. POWER PIPE IS LABELED AT GRADE LEVEL. TRANSFORMER HOUSING INSTALLED BELOW GRADE WILL VOID WARRANTY

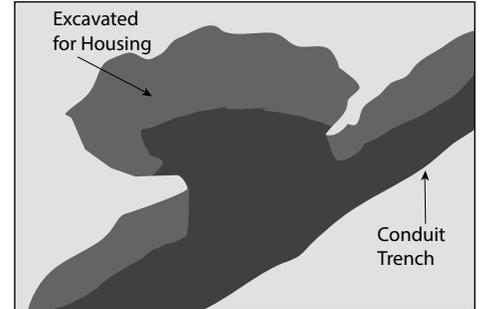
Soil Prep



A. Determine Soil Type by referencing DIG-IT Guide. Prep soil according to DIG-IT Guide.

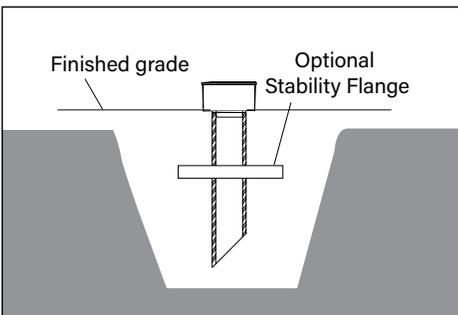


B. Dig hole 10" wide and 24" deep.

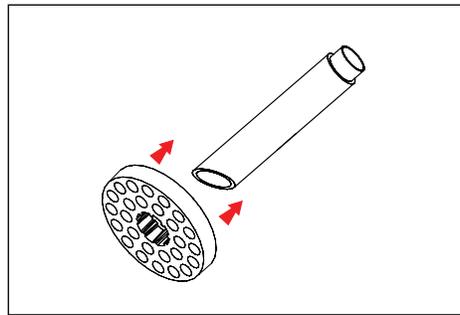


C. Prep soil according to DIG-IT Guide.

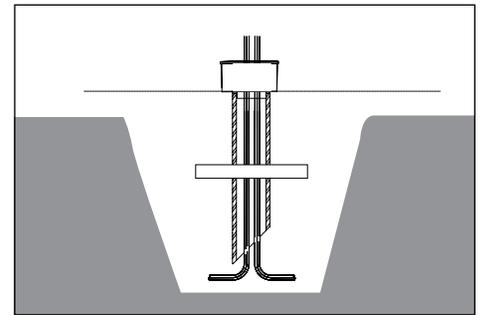
Power Pipe with Anchor Base Mounting Option



1. Excavate trench according to designed lighting plan. Dig hole a minimum of 18" deep and 10" wide to accommodate power pipe at desired fixture locations.

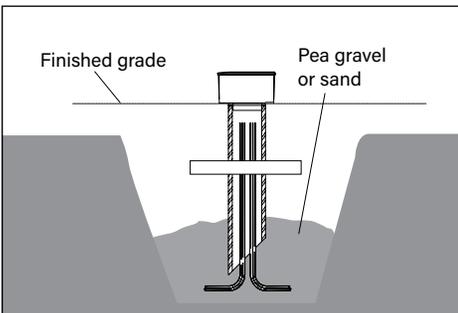


2. Slide optional stability flange onto power pipe. Use optional stability flange to aid in installation of power pipe.

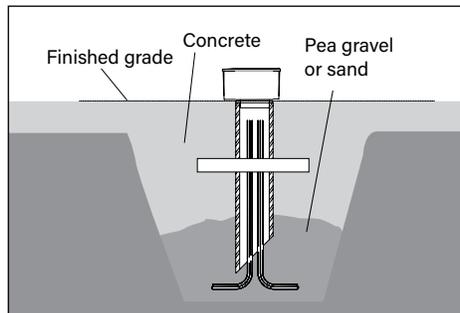


3. Pull branch circuit wiring necessary for installation to power pipe. Place power pipe in hole.

⚠ Allow for additional cable to make connections to fixture leads and future service. Do not cut PVC.

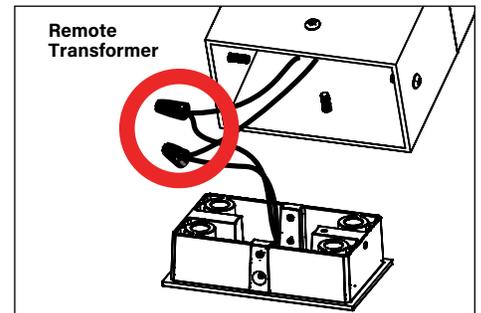


4. Back fill with pea gravel or sand prior to pour.



5. Pour concrete.

⚠ Label on power pipe indicates installation depth with finished grade.



Remote Transformer

6. Make watertight connections from remote 12V transformer to LED source leads (18 gauge wire) using waterproof wire connectors. See wiring diagram.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**

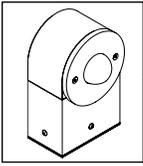


B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASE DATE
02/16/2024

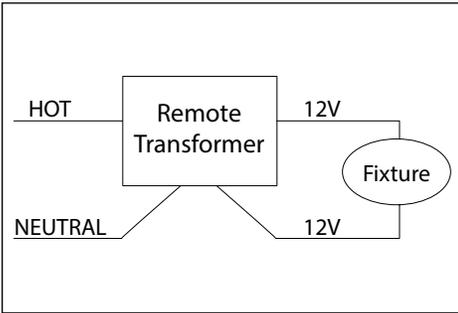
REFERENCE NUMBER
INS000733



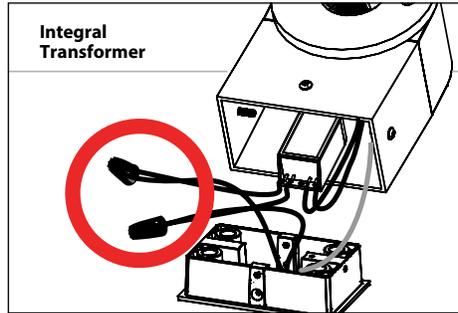
Standard Installation

STEP STAR

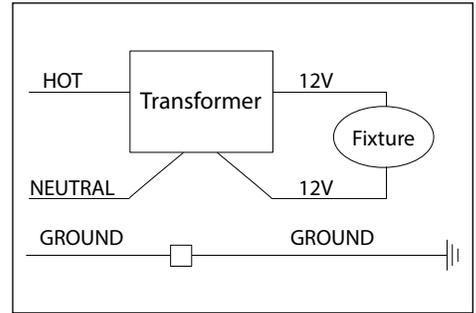
BOLLARD - POWER PIPE - LED/MR16 LOW VOLTAGE



WIRING DIAGRAM

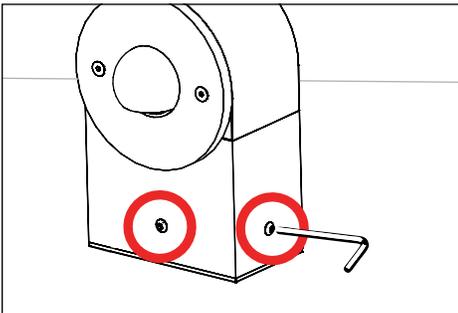


Integral Transformer

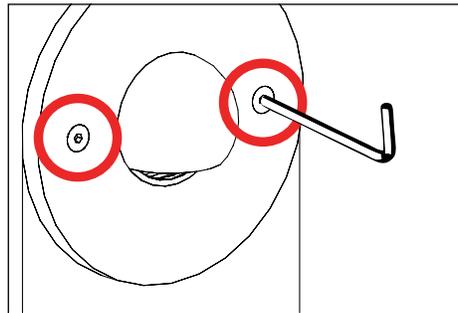


WIRING DIAGRAM

7. Pull branch circuit wires necessary for installation through power pipe. Use waterproof wire connectors to connect transformer primary leads to branch circuit wires. Connect incoming ground to ground wire provided in fixture body. **See wiring diagram.**



8. Place fixture on anchor base and tighten four (4) #10-32 stainless steel button head cap screws using a 1/8" allen wrench.



9. Use a 1/8" allen wrench to loosen #10-24 stainless faceplate screws to remove faceplate for access to source.

**IMPORTANT SAFETY INFORMATION LISTED ON REVERSE
READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS**



B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

RELEASE DATE
02/16/2024

REFERENCE NUMBER
INS000733