

Standard Installation

MINI-MICRO

BOLLARD SINGLE/TWIN - POWER BASE - LED



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:

- 5/32" & 9/64" Allen Wrench
- Waterproof Wire Connectors
- Phillips Screwdriver

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.

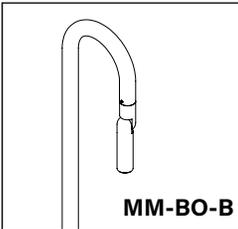
IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations
- Suitable for mounting within 4 ft. of the ground.

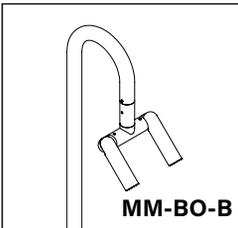
Proper soil preparation is recommended before installation. See the DIG-IT guide at <https://www.bklighting.com/wp-content/uploads/2024/09/digit.pdf> for more information.

This set of instructions works for:

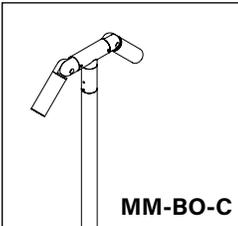
- MM-BO-B - Mini-Micro Bollard Style "B"
- MM-BO-L - Mini-Micro Bollard Style "L"
- MM-BO-B - Mini-Micro Bollard Twin Style "B"
- MM-BO-C - Mini-Micro Bollard Twin Style "C"



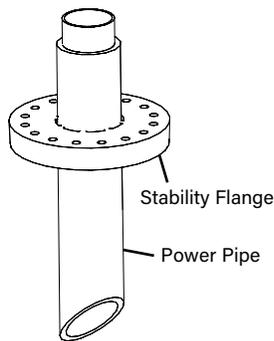
MM-BO-B



MM-BO-B



MM-BO-C



Stability Flange

Power Pipe



L.O.C.K. Knuckle

MM-BO-L

Junction Box with Integral Transformer Housing with C Cap

Junction Box with B Cap Mounting Option

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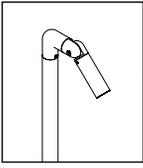
B-K LIGHTING

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www.bklighting.com • info@bklighting.com

RELEASE DATE
02/13/2024

REFERENCE NUMBER
INS000978

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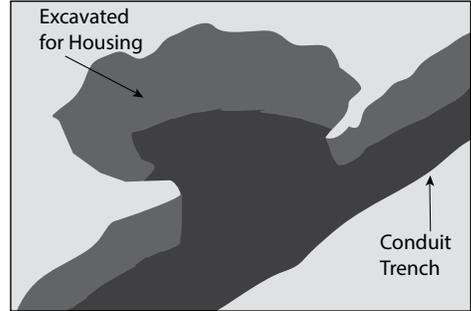
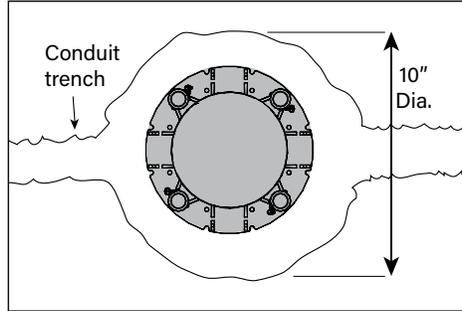
Standard Installation

MINI-MICRO

BOLLARD SINGLE/TWIN - POWER BASE - LED

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

Soil Prep

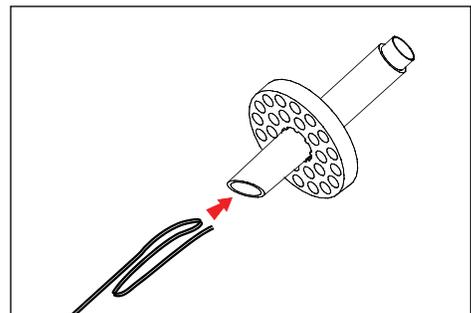
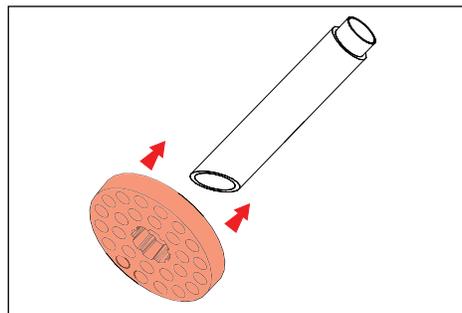
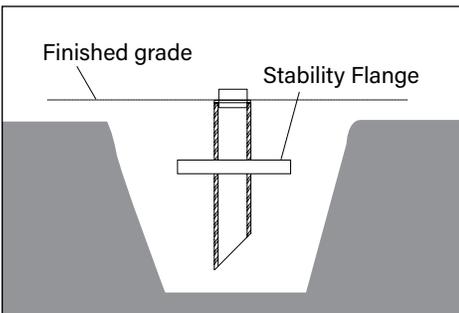


A. Determine Soil Type by referencing DIG-IT Guide. Prep soil according to DIG-IT Guide.

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

C. Prep soil according to DIG-IT Guide.

Power Pipe Installation

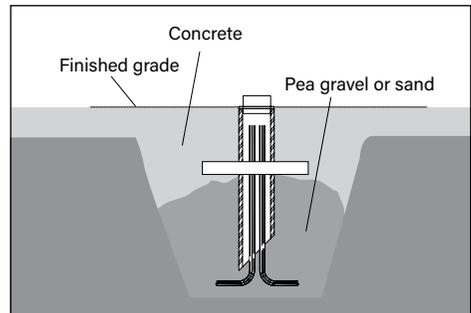
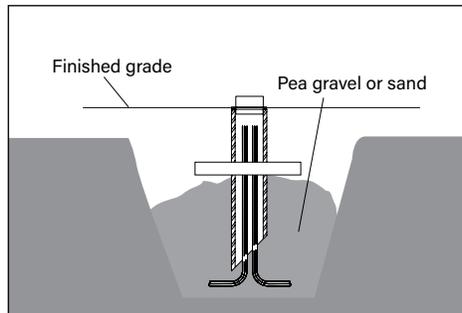
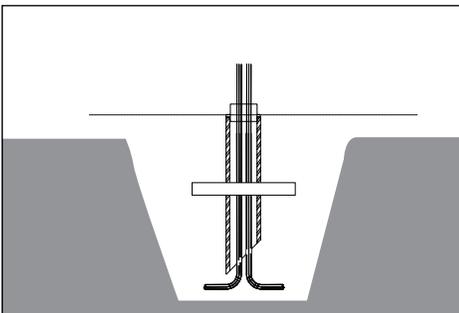


1. Excavate trench according to designed lighting plan. Dig hole a minimum of 24" deep and 10" wide to accommodate power pipe at desired fixture locations.

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

3. Loop 12" of low voltage wire inside power pipe. Do not remove temporary cover.

NOTE: Leave sufficient wire length in the power pipe for future service. Do not cut PVC.



4. Pull low voltage wiring from remote transformer to power pipe. Allow for additional cable to make connections to fixture lead and future service. Place power pipe in hole.

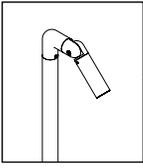
5. Back fill with pea gravel or sand prior to pour.

6. Pour concrete.

Label on power pipe indicates installation depth with finished grade.

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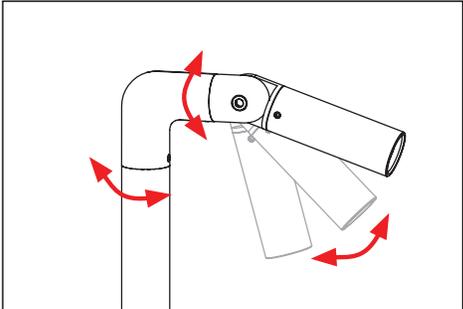
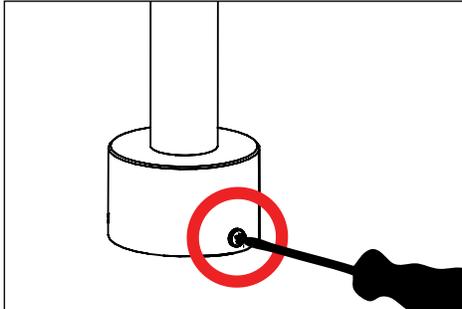
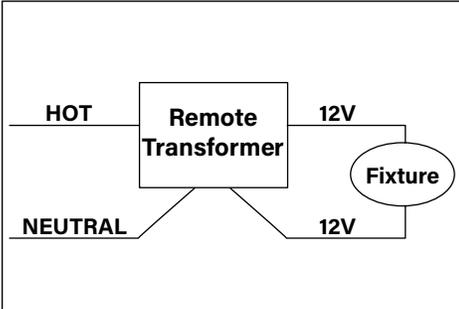
Standard Installation

MINI-MICRO

STAFF STAR & TWIN STAFF STAR

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

Power Pipe with B Cap Fixture Mounting Option



WIRING DIAGRAM

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

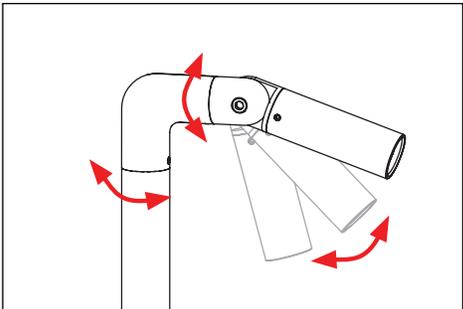
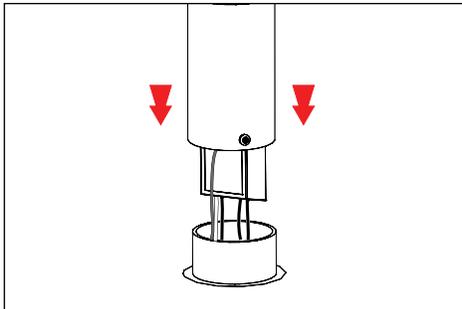
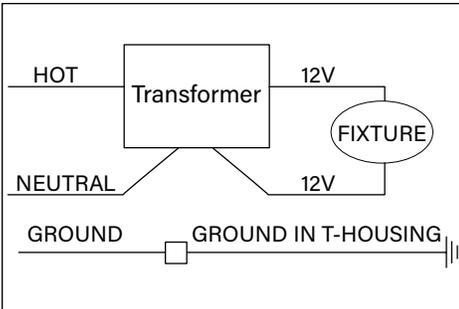
⚠ LED - For use with 12VAC LED remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

2. Place fixture on power pipe. Tighten three (3) #8-32 stainless steel round head phillips screws to secure to installed power pipe.

3. Use a 5/32" allen wrench to slightly loosen #10-32 stainless steel set screw on the stem for 180° aiming purpose. Tighten to secure aiming position.

4. Use a 9/64" allen wrench to loosen #8-32 screws at bend(s). Aim fixture to desired position. Tighten to secure aiming position.

Power Pipe with Transformer Housing Base Mounting Option



WIRING DIAGRAM

1. Make watertight connections from branch circuit wiring to transformer primary leads using waterproof wire connectors.
2. Attach ground from branch circuit wiring to ground screw in transformer housing.

3. Place wires, connectors and transformer into transformer housing and attach to power pipe. Tighten three (3) #8-32 stainless steel round head phillips screws at transformer housing base to secure.

4. Use a 5/32" allen wrench to slightly loosen #10-32 stainless steel set screw on the stem for 180° aiming purpose. Tighten to secure aiming position.

5. Use a 9/64" allen wrench to loosen #8-32 screws at bend(s). Aim fixture to desired position. Tighten to secure aiming position.

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B-K LIGHTING

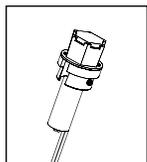
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REFERENCE NUMBER
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LED BOARD/DRIVER/OPTICS

1" Body Size



Standard Installation/Replacement



Flammable



Warning



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TOOLS NEEDED:

- .050" & 9/64" Allen Wrench
- Small Flat Head Screw Driver

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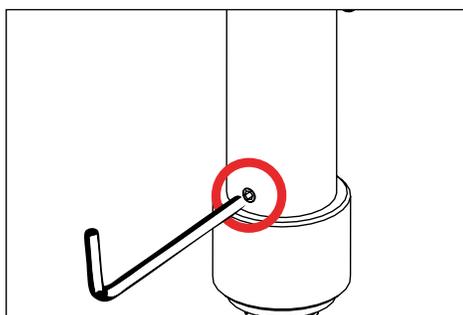
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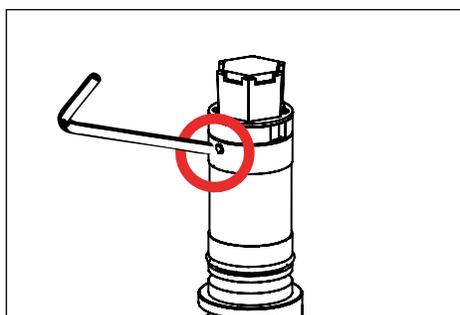
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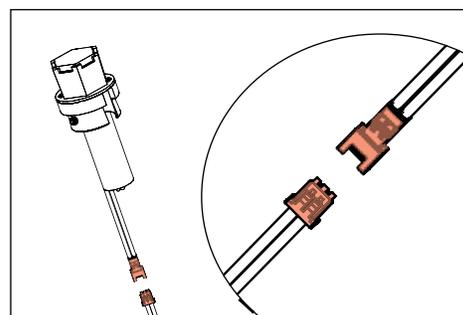
Re-placing LED Board/Driver and Optics



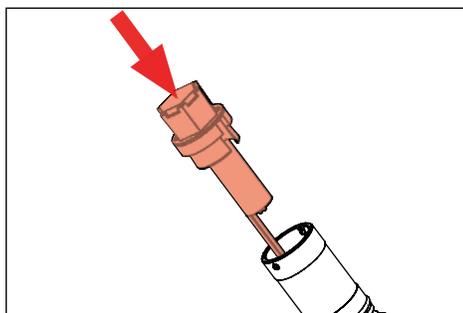
1. Use a 5/64" allen wrench to loosen #8-32 stainless steel set screw and remove cap.



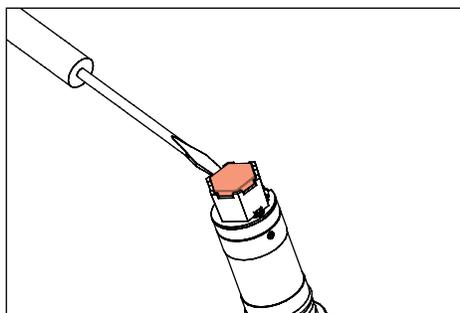
2. Use a .050" allen wrench to loosen two (2) #4-40 stainless steel set screws below LED board on the heat sink. Gently pull up on LED board and Driver assembly to expose quick disconnect.



3. Disengage LED board and driver assembly. Replace with new board and driver assembly.



4. Reverse install LED board and driver by carefully wrapping 18 gauge wires around driver and inserting into fixture body. Secure LED board in place with two (2) #4-40 stainless steel set screws.



5. Use small flat head screw driver to remove lens from optic holder on the LED. Snap new optic in place. Replace cap on fixture and tighten set screw.

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