

Standard Installation

ADJUSTABLE WELL STAR

LED/MR16 LOW VOLTAGE



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:

- 1/8" 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

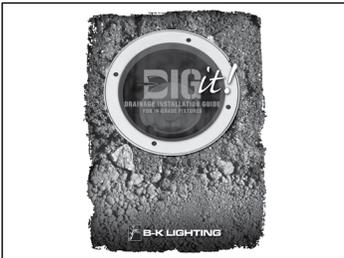
- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel with appropriate 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

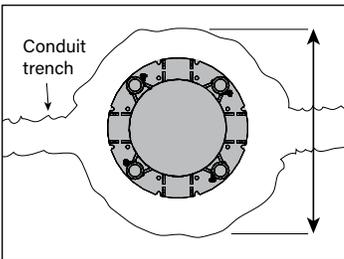
- Suitable for wet locations
- Suitable for recessed in ground locations

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.

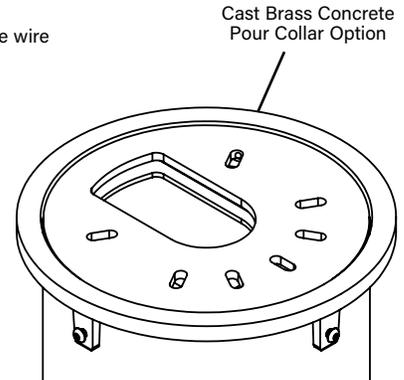
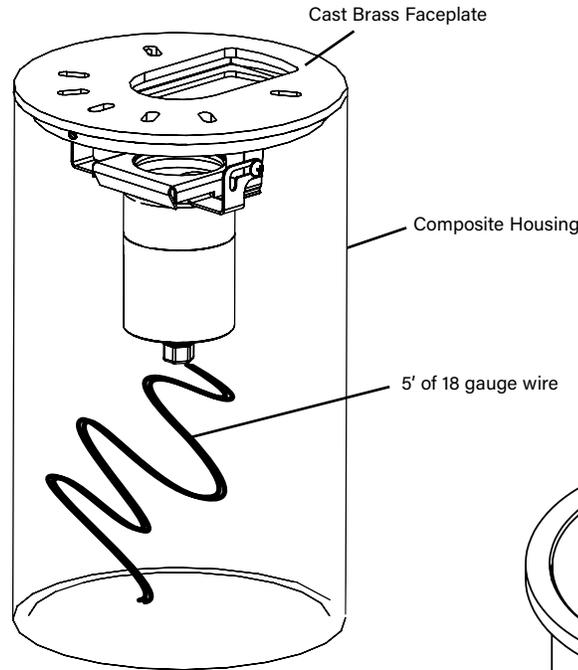
Soil Prep



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



B. Excavate a hole to the necessary dimensions for fixture placement according to lighting plan.



This set of instructions works for:

AW - Adjustable Well Star

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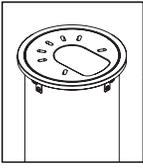
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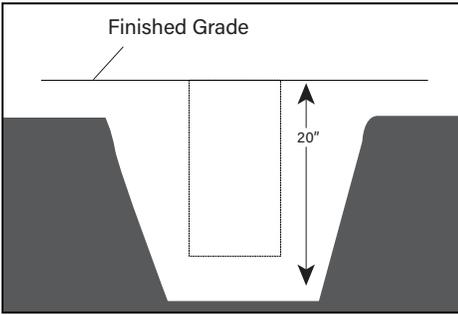
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ADJUSTABLE WELL STAR

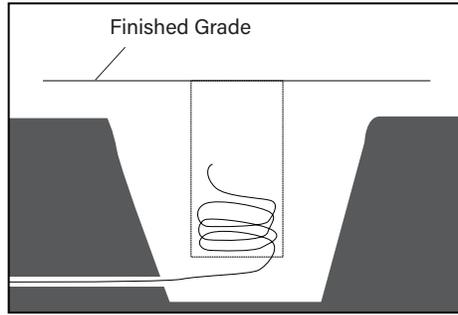
LED/MR16 LOW VOLTAGE



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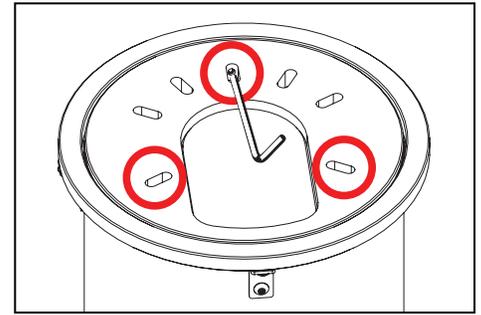


1. Excavate trench according to designed lighting plan 20" deep and 10" wide suitable for the fixture housing.

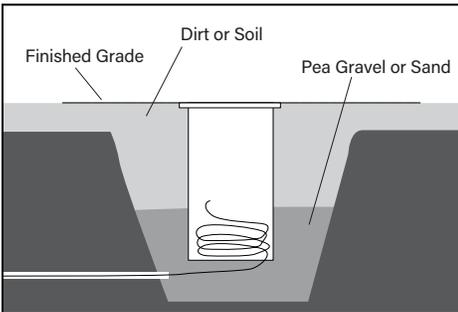


2. Supply low voltage wiring necessary for installation.

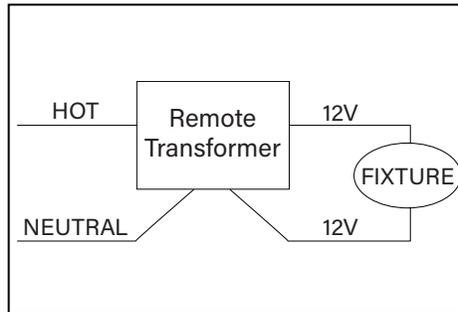
NOTE: Leave sufficient wire length in the fixture housing for future service.



3. Remove faceplate from housing using 1/8" Allen wrench on three (3) #10-24 set screws. Set screws are located inside faceplate openings as illustrated. Place housing in excavated trench and pull wire through housing.



4. Back fill with pea gravel or sand to allow sufficient drainage. Install housing flush at finished grade. **See wiring diagram.**
5. Make watertight connections from remote transformer to fixture leads using waterproof wire connectors.

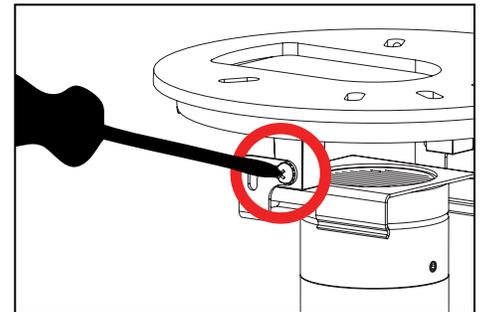


WIRING DIAGRAM

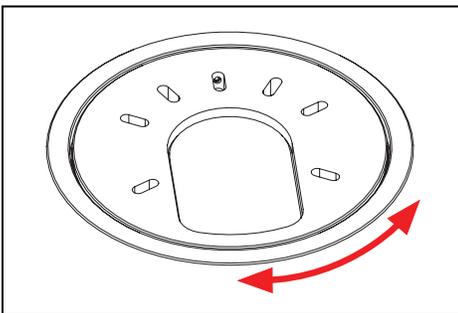
LED - For use with 12VAC LED remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.

Low Voltage - For use with 12VAC remote transformer.

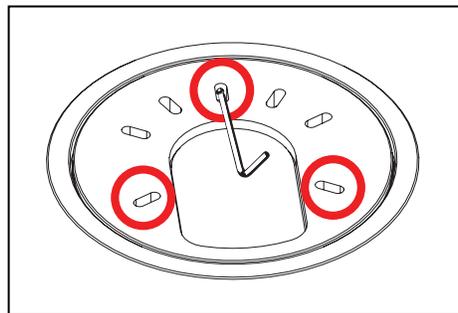
Failure to use waterproof wire connectors will cause fixture to fail and VOID PRODUCT WARRANTY.



6. Loosen stainless steel Phillips head cap screw on adjustable bracket, aim to desired location. Tighten to maintain aiming position.



7. Faceplate allows full rotational positioning. Loosen three (3) #10-24 set screws in faceplate. Align faceplate opening to object to be illuminated.



8. Once faceplate is in final position, secure faceplate to housing by tightening three (3) #10-24 set screws using a 1/8" allen wrench.

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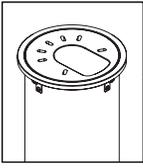


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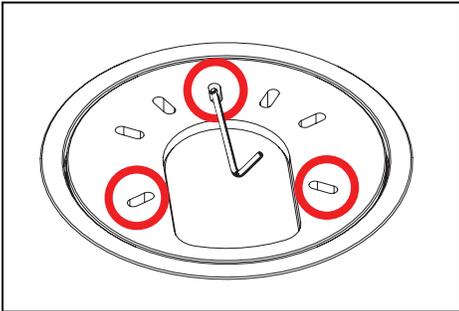


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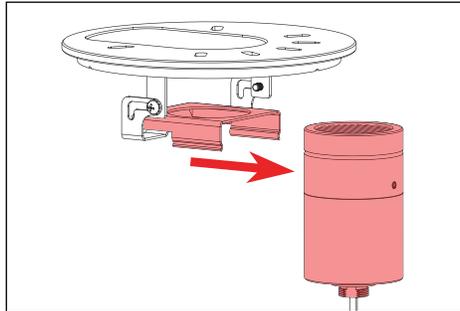
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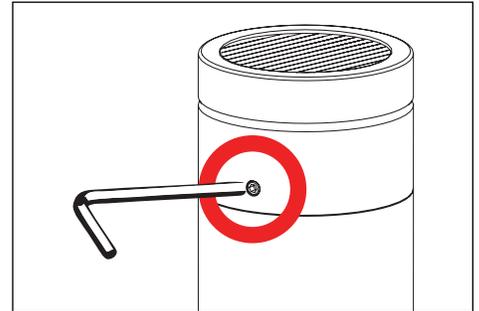
Replacing LED Board & Optics



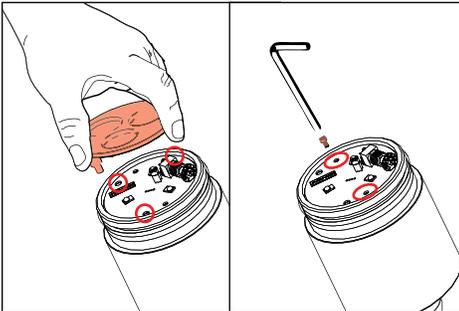
1. Remove faceplate from housing by loosening three (3) #10-24 set screws using a 1/8" allen wrench.



2. Slide fixture body out of aiming bracket.

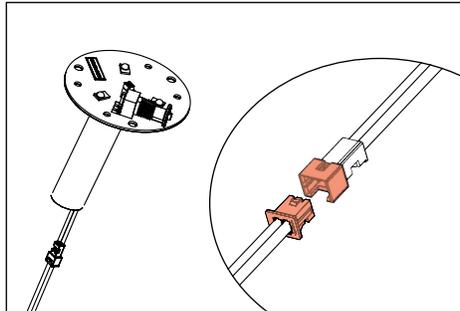


3. Use a 9/64" allen wrench to loosen #8-32 stainless set screws and remove cap.



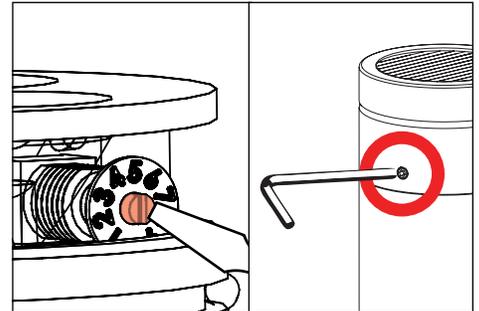
4. Space three fingers evenly around the optic and gently rock optic to remove.

5. Use a 5/64" allen wrench to remove two (2) #2-56 socket head cap screws on LED board, grasp LED board and gently pull up to expose quick disconnect.



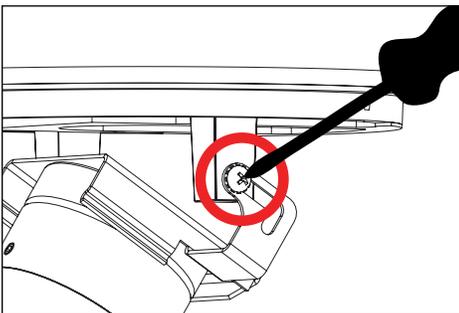
6. Disengage LED board and driver assembly. Replace with new board and driver assembly.

7. Reverse install LED board and driver by carefully engaging quick disconnects and inserting into fixture body. Secure LED board in place with stainless steel screws. Snap optics in place.

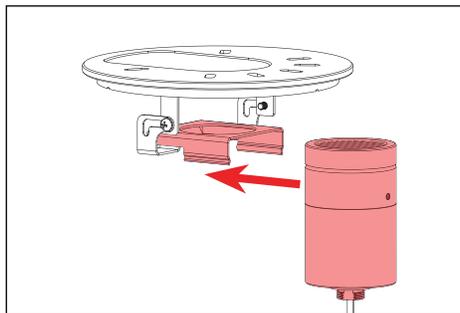


8. With flat head screw driver rotate dial to desired lumen output. Replace cap.

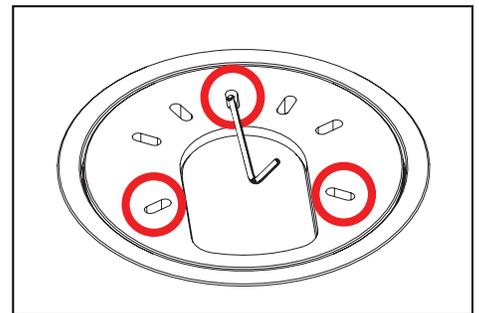
9. Use a 9/64" allen wrench with #8-32 stainless set screws to secure cap.



10. Adjust aiming bracket by loosening two (2) phillips screws at sides of bracket. Adjust angle as per lighting plan, then secure position by tightening two (2) phillips screws.



11. Slide fixture body into aiming bracket.



12. Faceplate allows full rotational positioning. Loosen three (3) #10-24 set screws in faceplate. Align faceplate opening to object to be illuminated. secure faceplate to housing by tightening three (3) #10-24 set screws using a 1/8" allen wrench.

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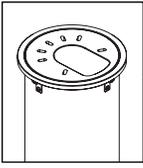


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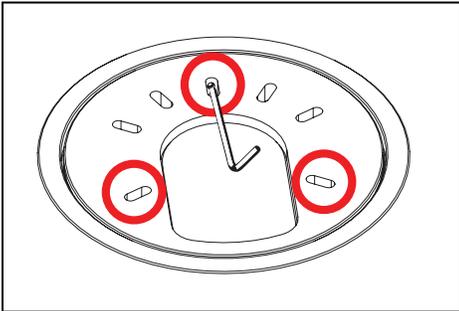


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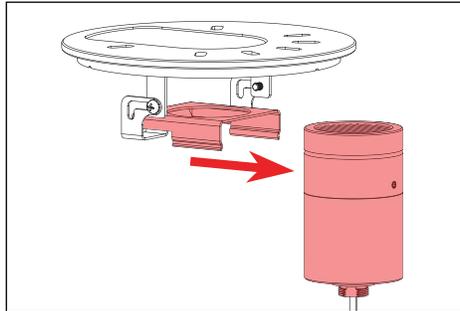
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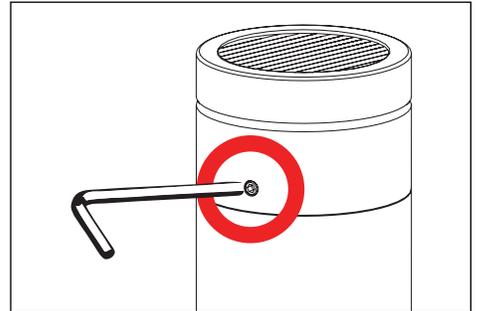
Replacing for MR16 Low Voltage Lamp



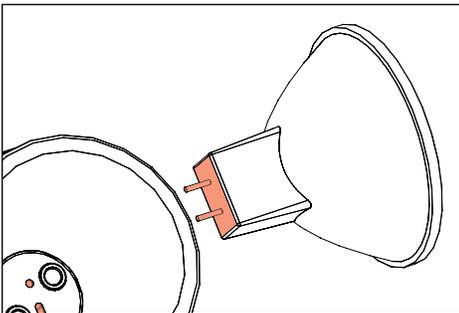
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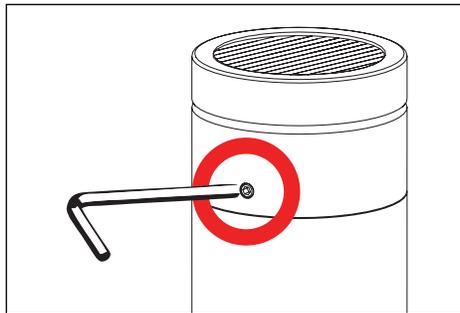
2. Slide fixture body out of aiming bracket.



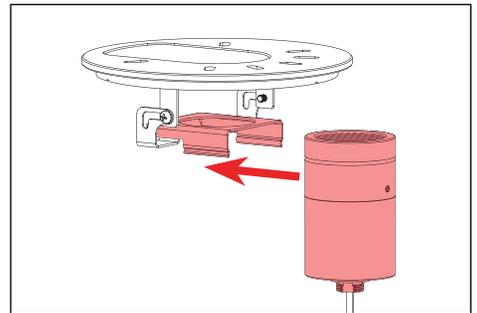
3. Use a 9/64" allen wrench to loosen #8-32 stainless set screws and remove cap.



4. Firmly insert lamp pins into socket to make connection. Rocking motion may be required.



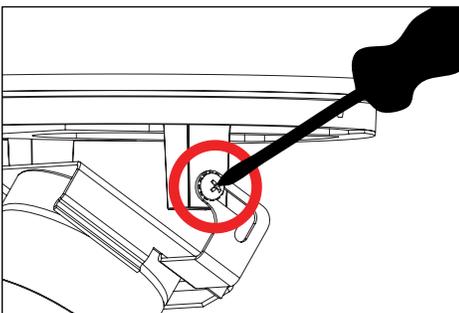
5. Use a 9/64" allen wrench to tighten #8-32 stainless set screws and secure cap.



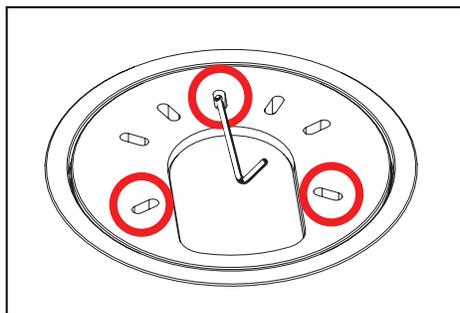
6. Slide fixture body into aiming bracket.

⚠ Do not exceed the maximum wattage listed on the fixture label before installing.

⚠ Warning: Do not over tighten set screw. Doing so will compromise o-ring seal and will void warranty. Cap should be able to rotate without force.



7. Adjust aiming bracket by loosening two (2) phillips screws at sides of bracket. Adjust angle as per lighting plan, then secure position by tightening two (2) phillips screws.



8. Faceplate allows full rotational positioning. Loosen three (3) #10-24 set screws in faceplate. Align faceplate opening to object to be illuminated. Secure faceplate to housing by tightening three (3) #10-24 set screws using a 1/8" allen wrench.

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