

Standard Installation

NITE STAR FLOODLIGHT - LED/MR16 LOW VOLTAGE



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:



5/32" & 5/64" Allen Wrench



Waterproof Wire Connectors

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

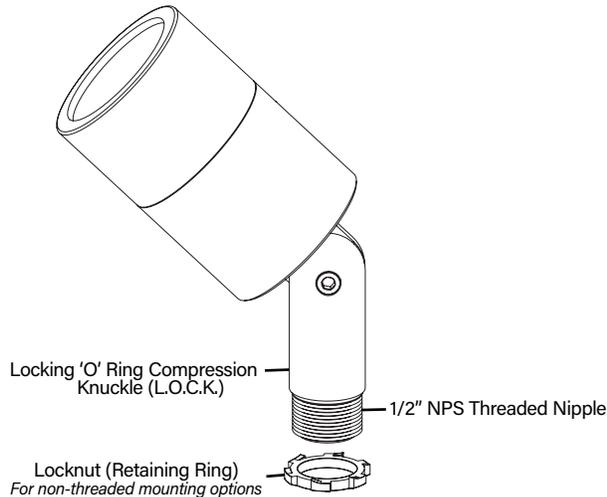
IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- 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

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



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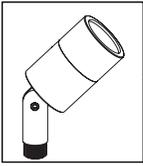
B-K LIGHTING

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RELEASE DATE
02/07/2024

REFERENCE NUMBER
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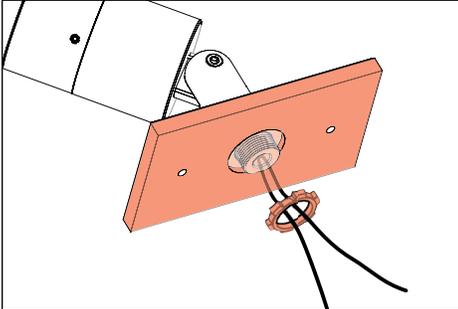


Standard Installation

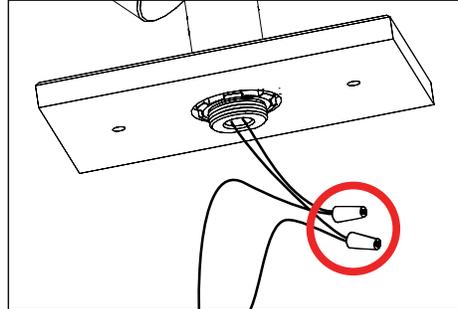
NITE STAR

FLOODLIGHT - LED/MR16 LOW VOLTAGE

Fixture Installation with Standard Knuckle

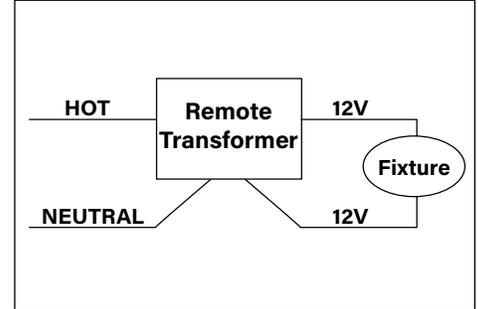


1. Mount knuckle onto suitable enclosure according to designed lighting plan.
2. Secure 1/2" NPS stem to mounting option. Secure with provided locknut if applicable.



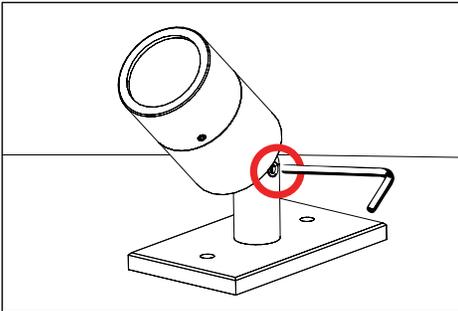
3. Make watertight connections from remote transformer to fixture leads using waterproof wire connectors. **See wiring diagram.**

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



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.



4. Use a 5/32" allen wrench to slightly loosen #10-32 stainless steel black oxide socket head cap screw at the knuckle for aiming purposes. Tighten to secure desired location.

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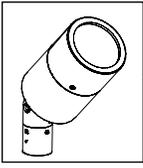


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Standard Adjustment

360SL KNUCKLE MOUNTING SYSTEM



Flammable



Warning



Hot Surface

TOOLS NEEDED:

➤ 5/32" & 5/64" Allen wrench

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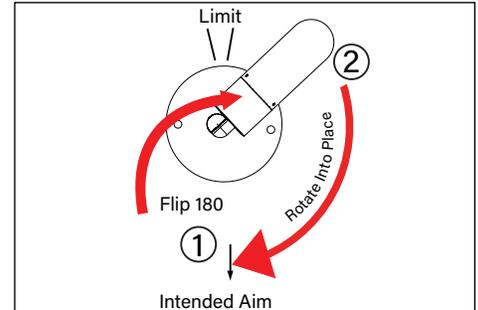
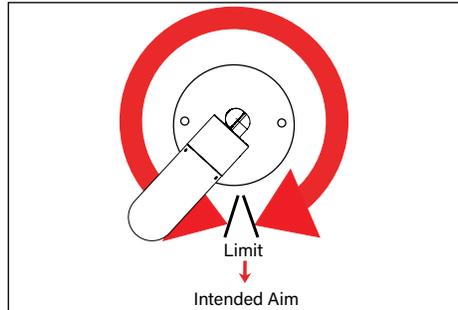
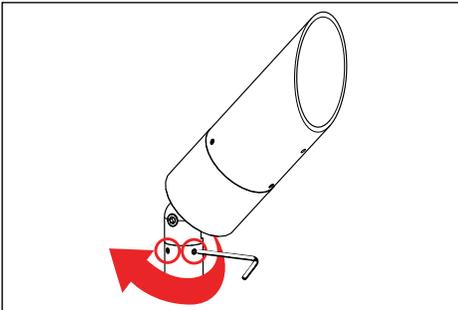
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- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

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

360SL Knuckle Mounting System



1. Use a 5/64" allen wrench to slightly loosen two (2) #8-32 set screw on the knuckle for 360° aiming purpose.
2. Rotate fixture at base and aim fixture to desired horizontal location.
3. If the over-rotation protection pin is in the desired aiming position, do not force the fixture past the limit. Using a 5/64" and 5/32" allen wrench, slightly loosen both set screws in the knuckle and knuckle screw enough to move the fixture freely on both axes.
4. Flip the fixture 180 degrees over the knuckle. The rotational range limit will now be 180 degrees from the original position. Now rotate the fixture into the desired aiming position.
5. Secure aim by tightening two (2) #8-32 set screws using a 5/64" allen wrench and one (1) #10-32 screw using a 5/32" allen wrench.

⚠ **Rotating the cap may be necessary for proper weep hole and cutoff position**

⚠ **Warning: Do not over tighten cap set screws. Doing so will compromise o-ring seal and will void warranty.**

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LED BOARD & OPTICS

2 1/4" BODY SIZE

Standard Installation/Replacement



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:



5/64" & 9/64" Allen Wrench



Small Flat Head Screwdriver

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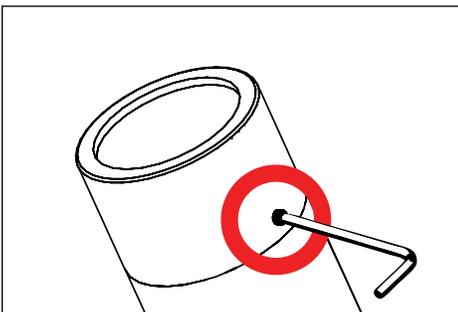
IMPORTANT LISTINGS AND CERTIFICATIONS



This product is available with Adjust-e-Lume (Patent Pend.) for Dynamic Lumen Output Control

Warning! The light output of this product may be dynamically adjusted as desired to raise and lower light levels. Please ensure the fixture is set to the appropriate light level desired during installation.

Replacing LED Board/Driver and Optics



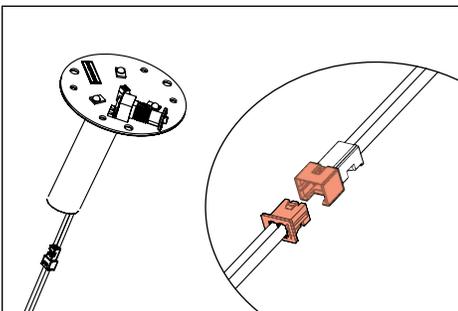
1. Use a 5/64" allen wrench to loosen #8-32 stainless set screw and remove cap.



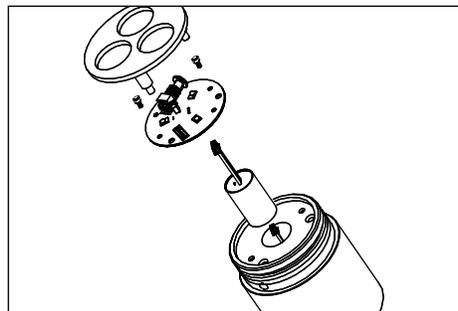
2. Space three fingers evenly around the optic and gently rock optic to remove.



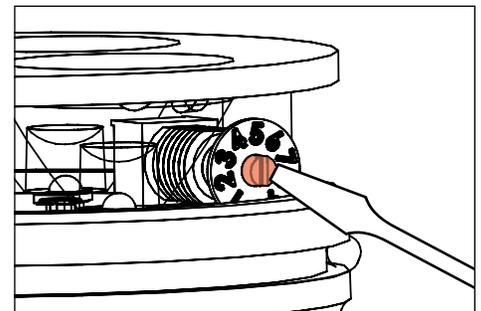
3. Use a 5/64" allen wrench to remove two (2) #2-56 socket head cap screws on LED board, grasp LED board and gently pull up to expose quick disconnect.



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



5. 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.



6. With flat head screwdriver rotate dial to desired lumen output.

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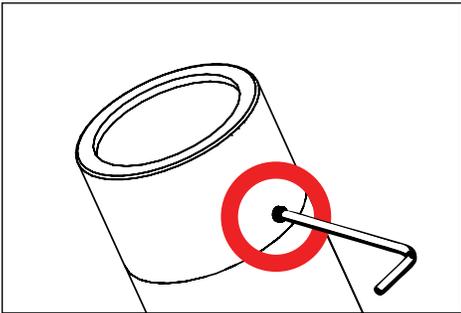
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LED BOARD & OPTICS

2 1/4" BODY SIZE



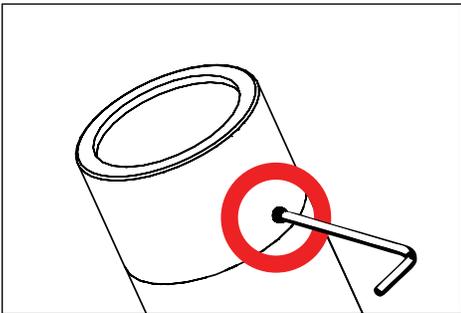
Standard Installation/Replacement



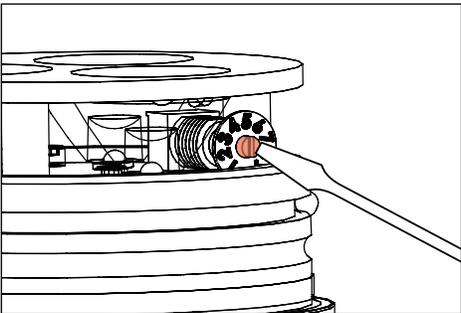
7. Re-install cap onto fixture. Secure by tightening three (3) #8-32 set screws using a 5/64" allen wrench. Top of set screws should sit flush with cap.

Warning: Do not over tighten set screws. Cap should be able to rotate without using force. Over tightening set screws will compromise o-ring seal and will void warranty.

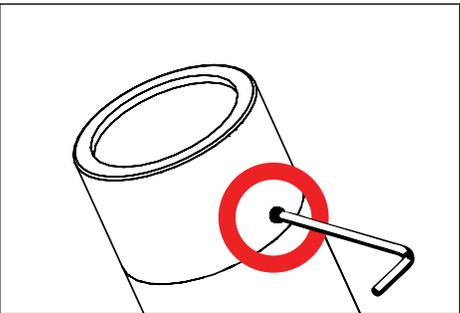
Change Lumen Output



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



2. With flat head screwdriver rotate dial to desired lumen output.



3. Re-install cap onto fixture. Secure by tightening three (3) #8-32 set screws using a 5/64" allen wrench. Top of set screws should sit flush with cap.

Warning: Do not over tighten set screws. Cap should be able to rotate without using force. Over tightening set screws will compromise o-ring seal and will void warranty.

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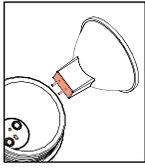


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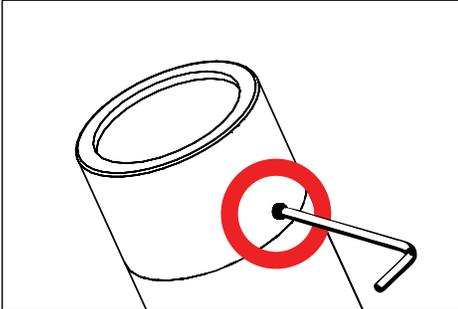


MR16 BOARD & OPTICS

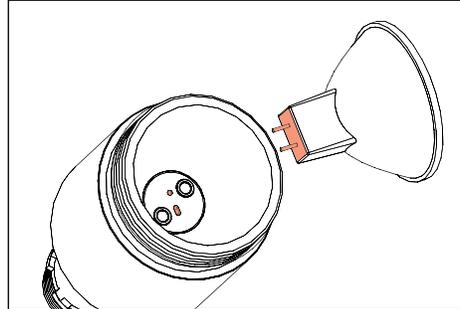
2 1/4" BODY SIZE

Standard Installation/Replacement

Replacing MR16 Low Voltage Lamp



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



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

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



3. Re-install cap onto fixture. Secure by tightening three (3) #8-32 set screws using a 5/64" allen wrench. Top of set screws should sit flush with cap.

⚠ Warning: Do not over tighten set screws. Cap should be able to rotate without using force. Over tightening set screws will compromise o-ring seal and will void warranty.

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