

Standard Installation

NITE STAR ESSENTIAL FLOODLIGHT - LED



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:



5/32" and 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:

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SAVE THESE INSTRUCTIONS

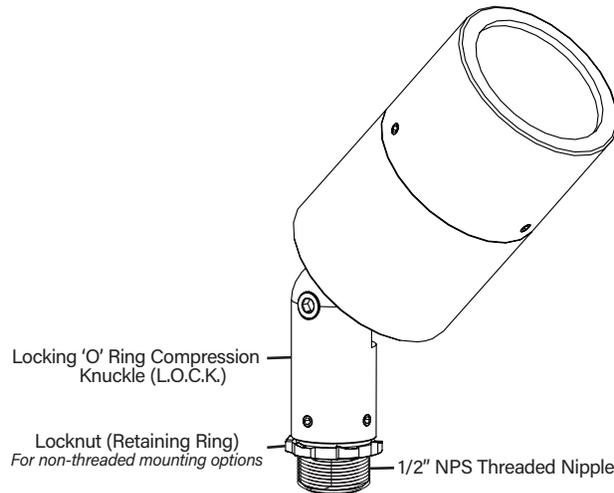
IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- 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.
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- 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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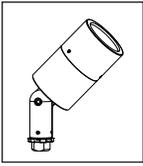
B-K LIGHTING

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RELEASE DATE
09/22/2025

REFERENCE NUMBER
INS-2897-00

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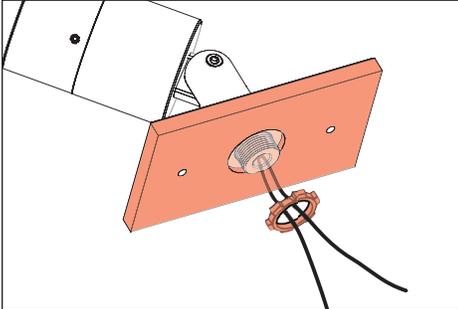


Standard Installation

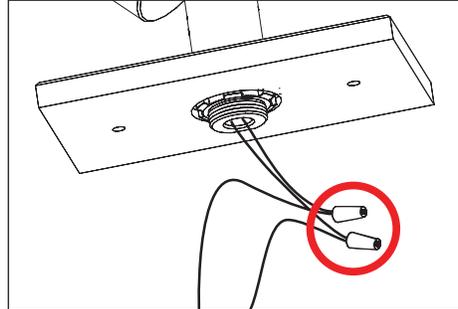
NITE STAR ESSENTIAL

FLOODLIGHT - LED

Fixture Installation with Standard Knuckle

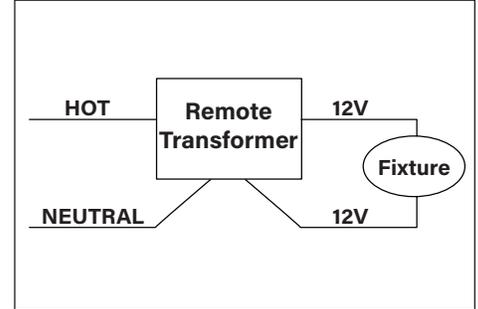


1. Mount knuckle onto suitable enclosure according to designed lighting plan.
2. Secure 1/2" NPS stem to mounting option. Secure with provided locknut if applicable.



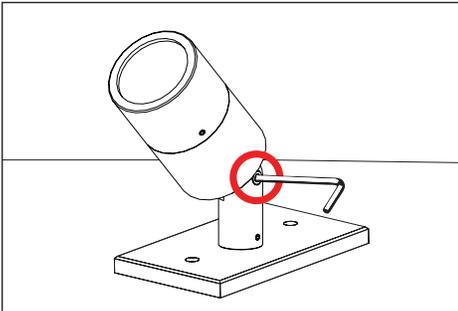
3. Make watertight connections from remote transformer to fixture leads using waterproof wire connectors. **See wiring diagram.**

⚠ 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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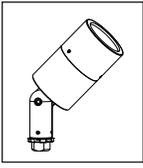


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Standard Adjustment

360SL KNUCKLE MOUNTING SYSTEM



Flammable



Warning



Hot Surface

TOOLS NEEDED:

➤ 5/32" & 5/64" Allen wrench

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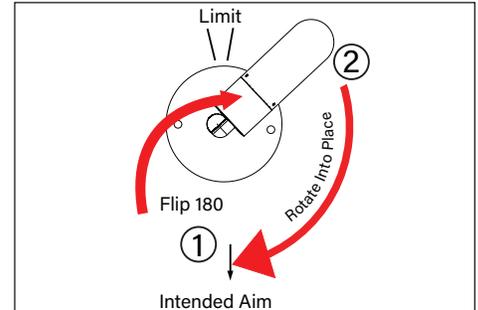
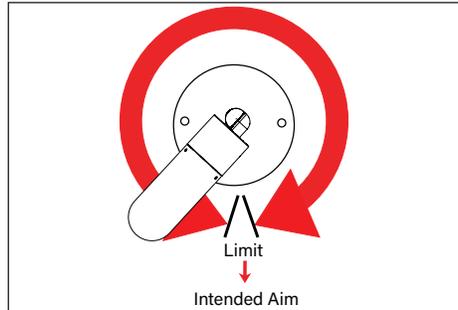
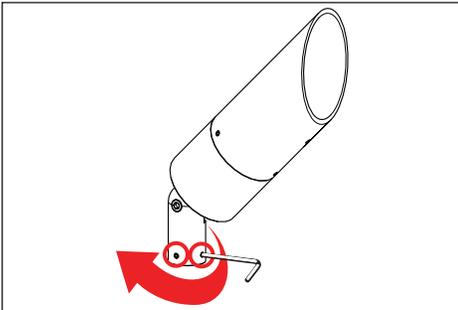
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- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations • 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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NITE STAR ESSENTIAL

LED BOARD & OPTICS

Standard Installation/Replacement



Flammable



Warning



Low Voltage



Hot Surface

TOOLS NEEDED:

- 5/64" & 9/64" Allen Wrench
- Small Flat Head Screwdriver
- Phillips Screwdriver

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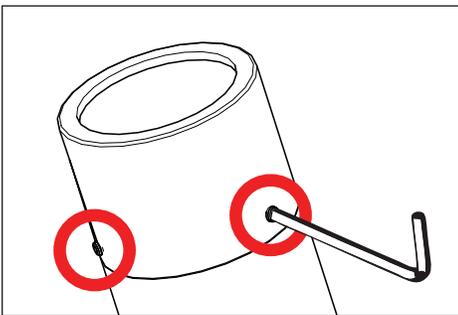
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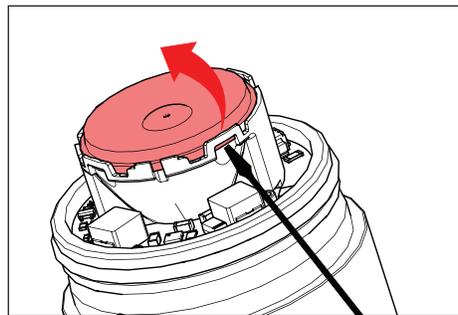
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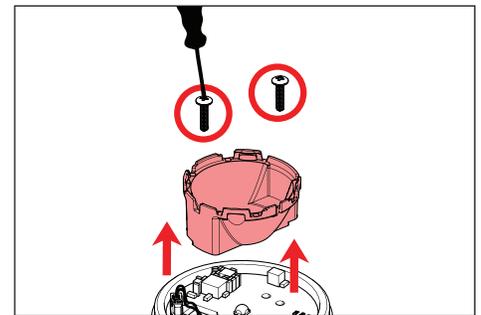
Replacing LED Board/Driver and Optics



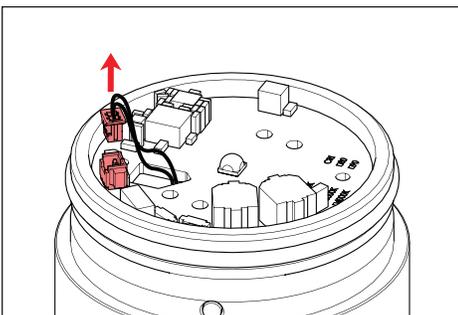
1. Remove cap by loosening three (3) #8-32 set screws using a 5/64" allen wrench. **Do not fully remove set screws**



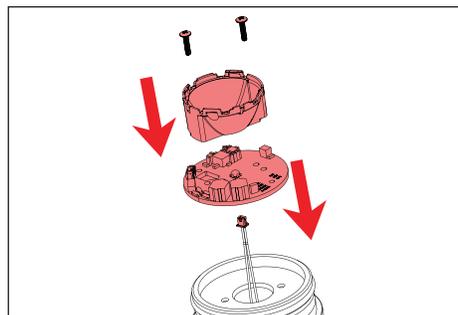
2. Use a flat head screwdriver to gently remove optic from holder.



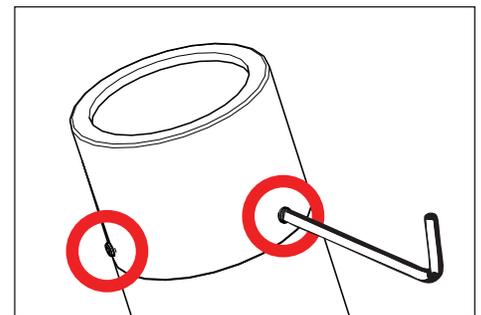
3. Remove optic holder by removing two (2) #2-56 screws using a phillips screwdriver.



4. Disengage LED board. Replace with new board.



5. Reverse install LED board and optic holder. Carefully reconnect connector to LED and re-install. Re-install optic holder and gently snap optic into holder.



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.

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