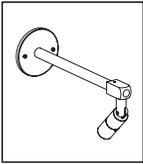


SIGN STAR & TWIN SIGN STAR

MICRO NITE - LED / LOW VOLTAGE



Standard Installation



Flammable



Warning



High Voltage



Hot Surface

TOOLS NEEDED:



1/8", 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 www.bklighting.com/lvguide before installation for proper wire selection.



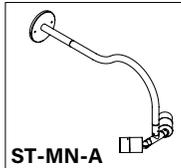
SN-MN-A



SN-MN-G



SN-MN-B



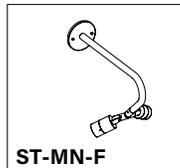
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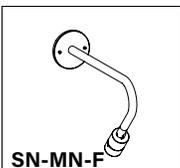
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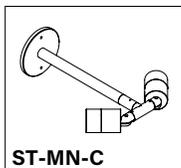
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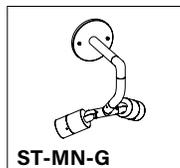
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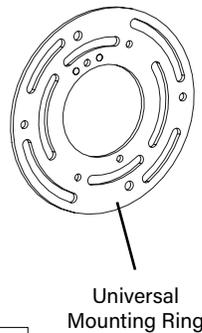
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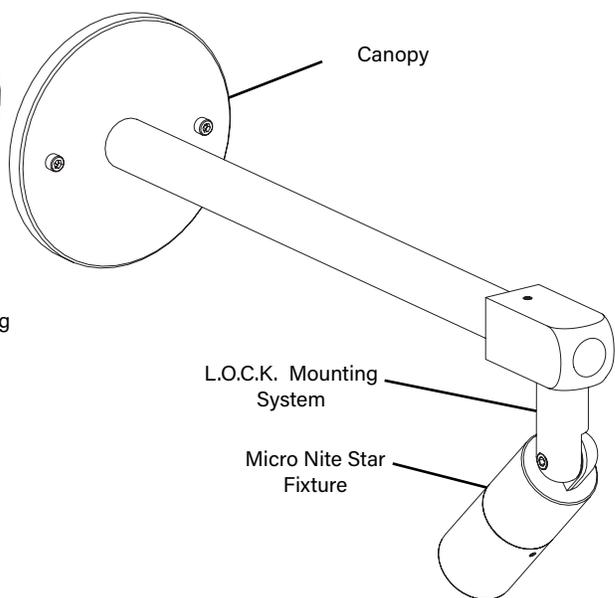
ST-MN-C



ST-MN-G



Universal Mounting Ring



Canopy

L.O.C.K. Mounting System

Micro Nite Star Fixture

SN-MN-C

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

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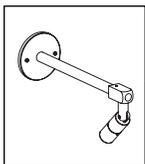
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REFERENCE NUMBER
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SIGN STAR & TWIN SIGN STAR

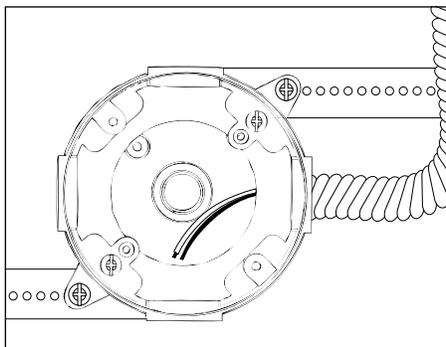
MICRO NITE - LED / LOW VOLTAGE



Standard Installation

Phase 1 - Rough In

Installation of Back box



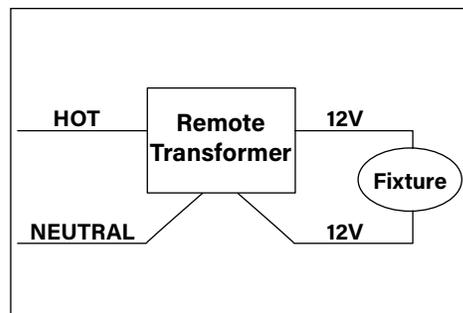
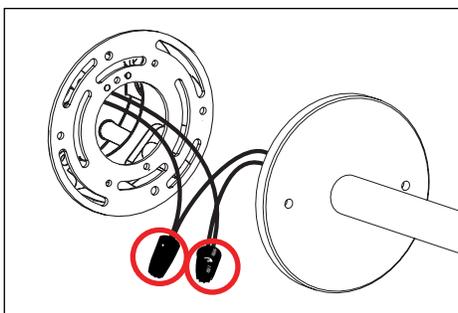
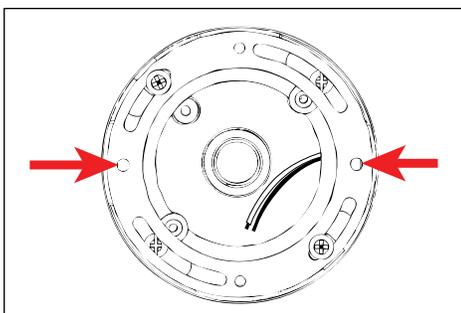
Additional Info

- Please follow National and Local electrical codes for your area.
- Suitable for through wire.
- Suitable for installation into combustible materials.
- Rated for 90° C.
- Junction box, universal mounting ring screws, box mounting hardware and gaskets (not included).

⚠ Sign Star Style D (SN-D) shade must be installed facing downwards. Installations where shade is facing upwards will VOID WARRANTY.

1. Install conduit (not included) to be used with this product.
2. Install junction box so that front face is flush with finished wall. Seal building envelope as per NEC.
3. Connect box to conduit and pull wires for connections (**See wiring diagram**).

Phase 2 - Finish Installation of Fixture



1. Install universal mounting ring (supplied with fixture) with #10-24 screws using a 1/8" allen wrench onto back box. Align fixture mounting holes to final mounting position.
2. Make watertight connections from remote transformer to fixture leads using waterproof wire connectors (not included). **See wiring diagram.**

WIRING DIAGRAM

⚠ LED - For use with 12VAC 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.

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

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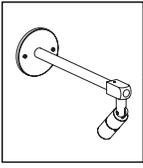
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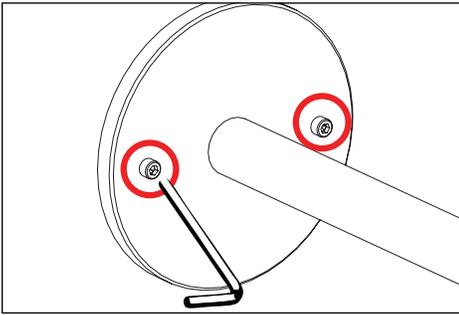
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SIGN STAR & TWIN SIGN STAR

MICRO NITE - LED / LOW VOLTAGE

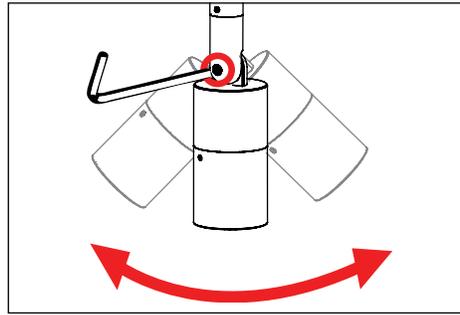


Standard Installation

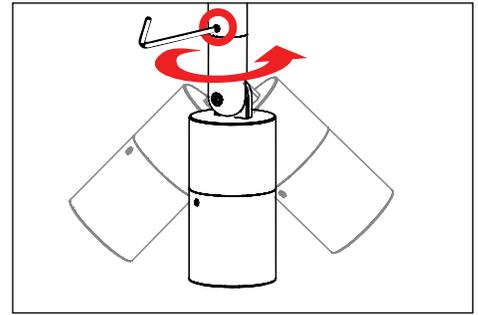


3. Mount canopy to junction box with universal mounting ring using two (2) #10-24 stainless steel black oxide screws with a 1/8" allen wrench. **Seal building envelope as per NEC. Do not overtighten.**

⚠ **Sign Star Style D (SN-D) shade must be installed facing downwards.**



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



5. **Optional 360SL:** Use a 5/64" allen wrench to loosen stainless steel set screw on the 360SL rotational mounting system and rotate to desired horizontal location. Tighten to secure aiming position.

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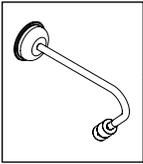
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SIGN STAR & TWIN SIGN STAR

MICRO NITE - LED / LOW VOLTAGE - POWER CANOPY



Standard Installation



Flammable



Warning



High Voltage



Hot Surface

TOOLS NEEDED:

- 5/32" & 5/64" 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.

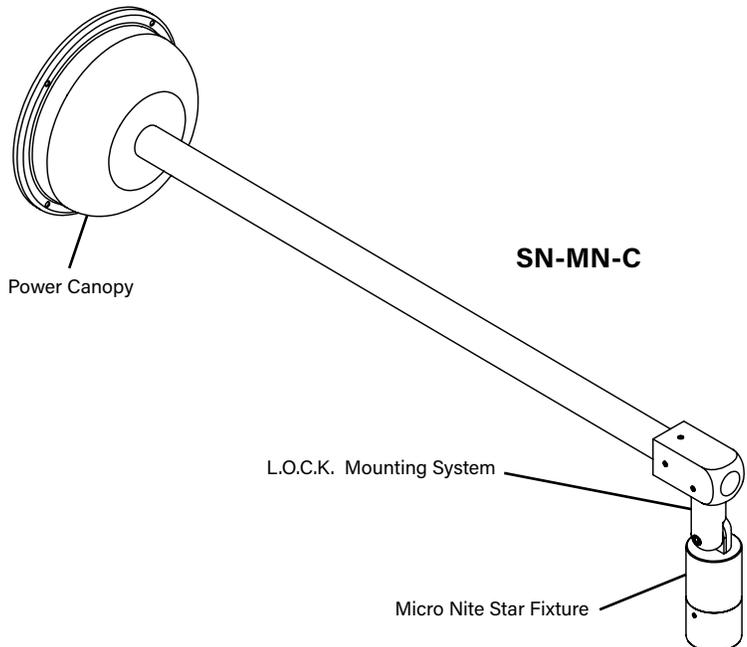
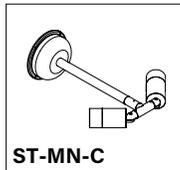
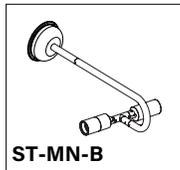
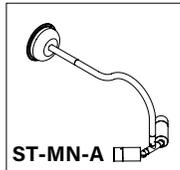
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- The use of accessory equipment not recommended by the manufacturer or installed contrary to instructions may cause an unsafe condition. The use of damaged components may cause an unsafe condition and void product warranty.
- Do not block light emanating 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



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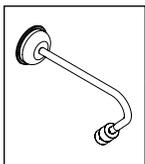
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SIGN STAR & TWIN SIGN STAR

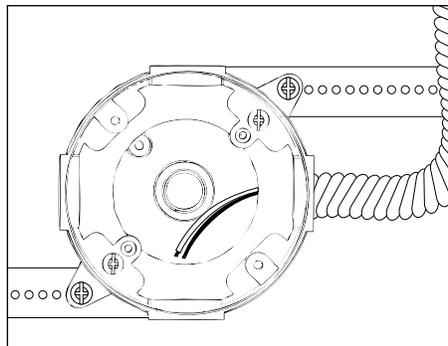
MICRO NITE - LED / LOW VOLTAGE - POWER CANOPY



Standard Installation

Phase 1 - Rough In

Installation of Back box

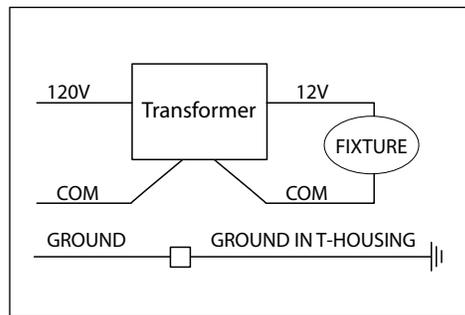
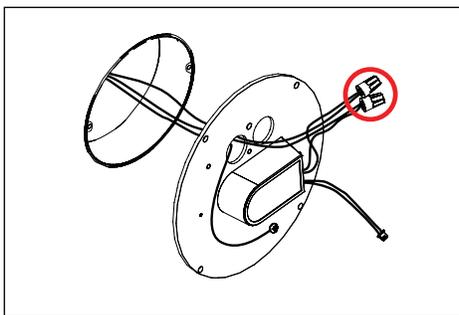
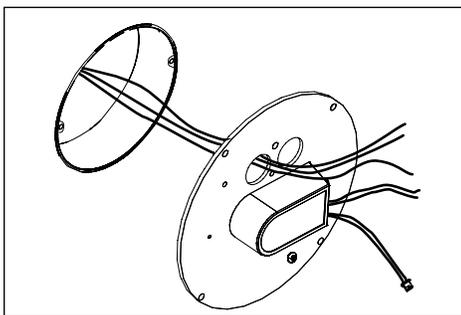


Additional Info

- Please follow National and Local electrical codes for your area.
- Junction box installation must be designed to hold full fulcrum weight of fixture.
- Junction box, universal mounting ring screws, box mounting hardware and gaskets (not included).

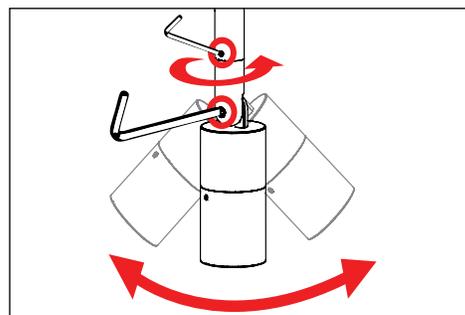
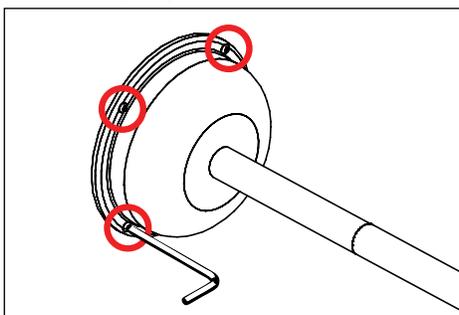
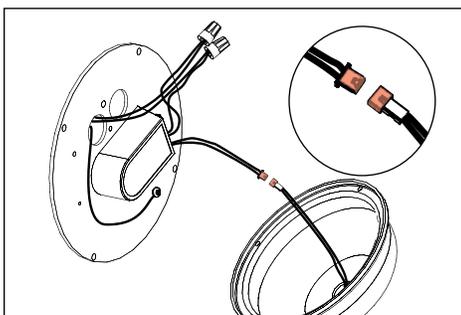
1. Install conduit (not included) to be used with this product.
2. Install junction box so that front face is flush with finished wall. Seal building envelope as per NEC.
3. Connect box to conduit and pull wires for connections (**See wiring diagram**).

Phase 2 - Finish Installation of Fixture



1. Remove wire entrance knockouts as needed on wall plate. Pull primary branch circuit through knockout(s). Attach wall plate to junction box using appropriate hardware.
2. Ground primary branch circuit to wall plate per NEC. Make watertight connections from transformer to primary branch circuit using waterproof wire connectors. **See wiring diagram.**

WIRING DIAGRAM



3. Connect fixture to transformer with provided quick disconnect.
4. Mount canopy to wall plate using four (4) #8-32 stainless steel button head screws with a 5/64" allen wrench. **Seal building envelope as per NEC. Do not overtighten.**
 ⚠ **Sign Star Style D (SN-D) shade must be installed facing downwards.**
5. Use a 5/32" allen wrench to loosen #10-32 stainless steel black oxide socket head cap screw at the knuckle. Aim fixture to desired vertical location. Tighten to secure aiming position.
6. **Optional 360SL:** Use a 5/64" allen wrench to loosen stainless steel set screw on the 360SL rotational mounting system and rotate to desired horizontal location. Tighten to secure aiming position.

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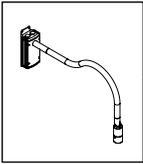
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SIGN STAR & TWIN SIGN STAR

MICRO NITE - LED / LOW VOLTAGE - UPM SURFACE MOUNT



Standard Installation



Flammable



Warning



High Voltage



Hot Surface

**TOOLS
NEEDED:**

- 1/8", 5/64" & 5/32" Allen Wrench
- Waterproof Wire Connectors
- Hammer
- Phillips Screwdriver
- 1/4" Drill Bit and Drill
- 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
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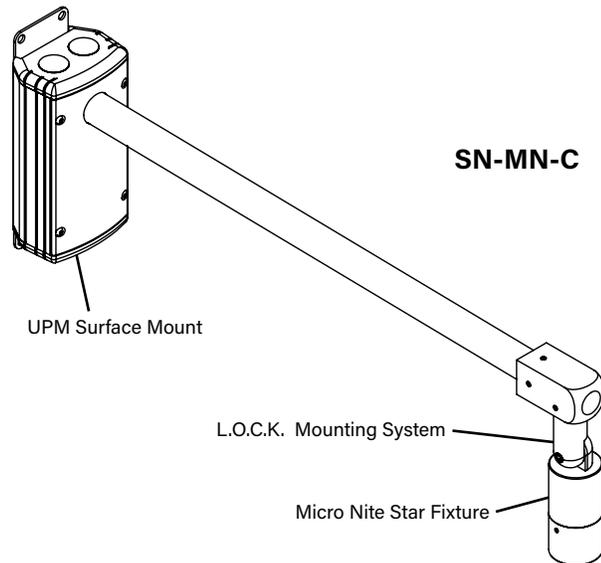
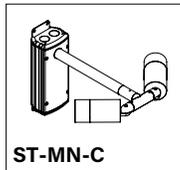
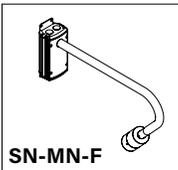
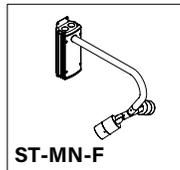
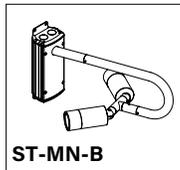
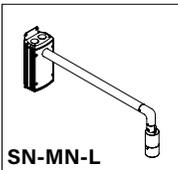
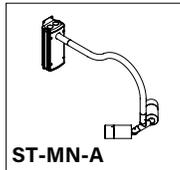
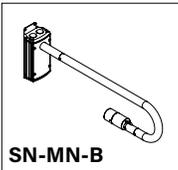
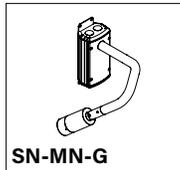
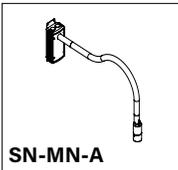
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- Replace LED assembly only with correct wattage and type of power supply appropriate for LED assembly.
- All gaskets, o-rings and sealing surfaces must be kept clean during installation and service; failure to do this may cause an unsafe condition and void product warranty.

IMPORTANT LISTINGS AND CERTIFICATIONS

- Suitable for wet locations



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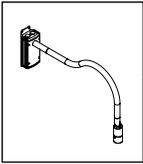
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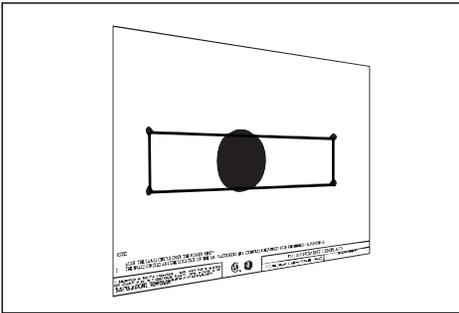
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SIGN STAR & TWIN SIGN STAR

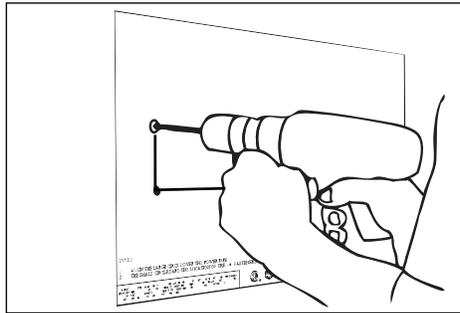
MICRO NITE - LED / LOW VOLTAGE - UPM SURFACE MOUNT



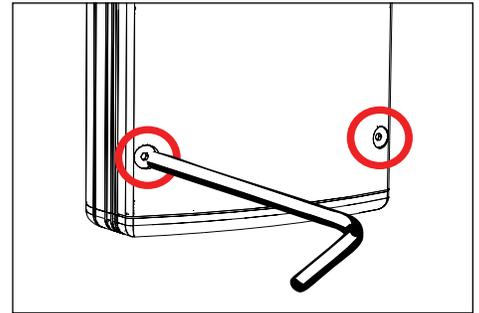
Standard Installation



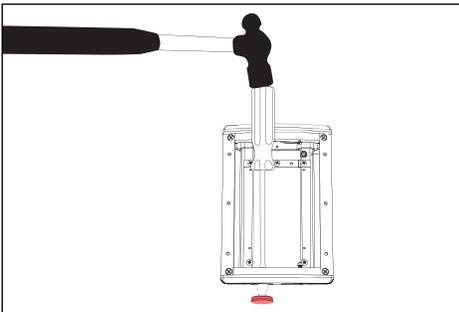
1. Prepare for final mounting position according to designed lighting plan.



2. Drill holes into surface for 1/4" fasteners.

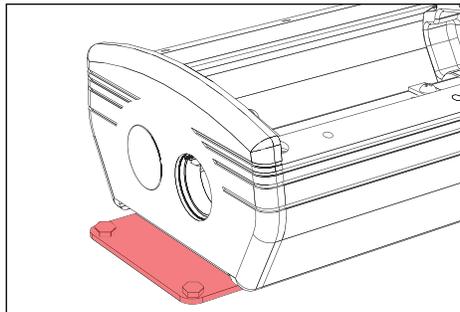


3. Loosen four (4) #6-32 captive screws using a 5/64" allen wrench and disconnect quick disconnect to remove faceplate of UPM housing.



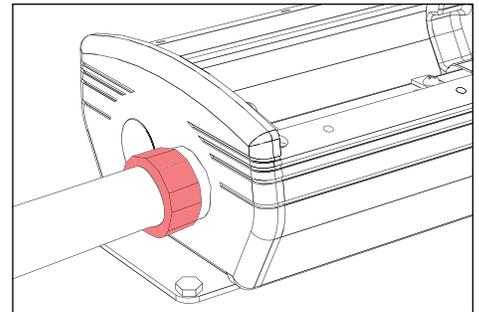
4. Remove Patented Knockout(s) as necessary from the inside of the UPM housing. Leave remaining unused knockouts in place to maintain seal.

NOTE: Patented design featuring a silicone o-ring allowing knockout to be tapped back into place to renew seal integrity.



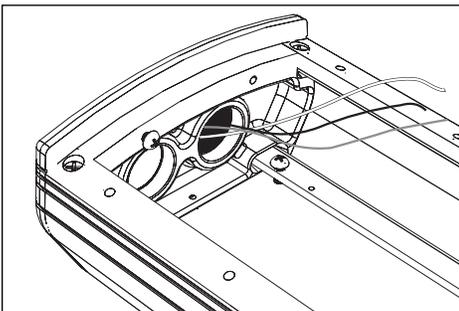
5. Attach the UPM housing at mounting brackets with 1/4" fasteners. Use suitable mounting hardware for surface.

NOTE: Many methods exist to bolt to a flat surface. The fixture is provided with mounting brackets with 1/4" holes.

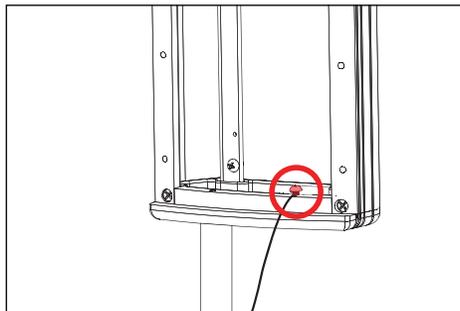


6. Connect 3/4" conduit connector through female threaded conduit entry.

NOTE: Surface conduit is a common entrance for water if not properly sealed. Seal connector threads and conduit with a suitable sealant (teflon tape, adhesive, etc.). Sealing the conduit after knockouts are removed is required to maintain warranty.

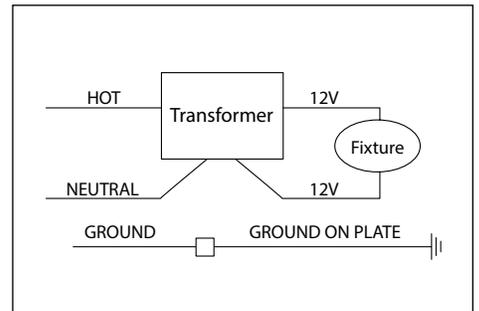


7. Pull branch circuit wiring necessary for installation.



8. Attach tether wire under screw head at the base of the UPM housing and tighten. Slowly lower the faceplate until tether is taut.

NOTE: Faceplate tether supplied with UPM is designed as an installation aid and NOT a safety cable. Do not add weight to, or drop faceplate.



WIRING DIAGRAM

9. Use waterproof wire connectors to connect transformer primary leads to branch circuit wires. Connect incoming ground to ground wire provided in UPM housing. See wiring diagram.

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

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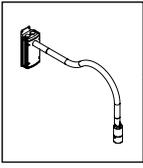
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INS-2193-00

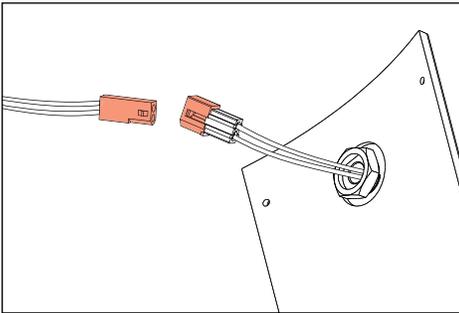
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SIGN STAR & TWIN SIGN STAR

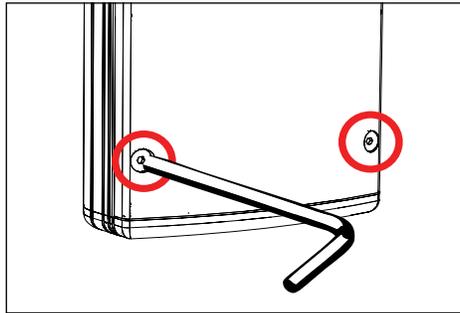
MICRO NITE - LED / LOW VOLTAGE - UPM SURFACE MOUNT



Standard Installation

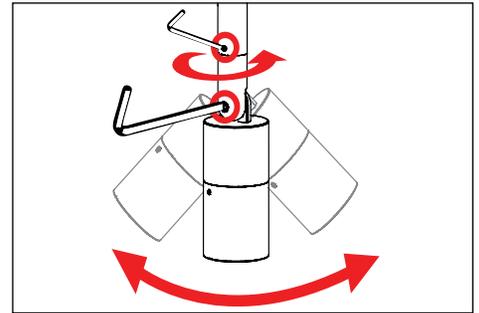


10. Connect secondary leads from transformer to fixture leads using pre-wired factory quick disconnect.



11. Make sure UPM housing gasket is free of any dirt or debris. Attach the faceplate by tightening the four (4) #6-32 captive screws evenly using a 5/64" allen wrench.

⚠ Sign Star Style D (SN-D) shade must be installed facing downwards.



12. Use a 5/32" allen wrench to loosen #10-32 stainless steel black oxide socket head cap screw at the knuckle. Aim fixture to desired vertical location. Tighten to secure aiming position.

13. **Optional 360SL:** Use a 5/64" allen wrench to loosen stainless steel set screw on the 360SL rotational mounting system and rotate to desired horizontal location. Tighten to secure aiming position.

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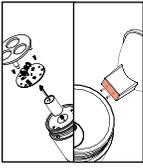
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LED & LOW VOLTAGE HALOGEN

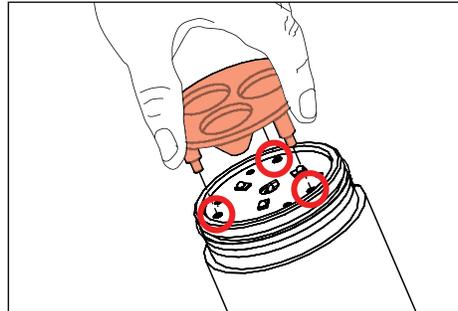
1-5/8" SIZE

Replacement Instructions

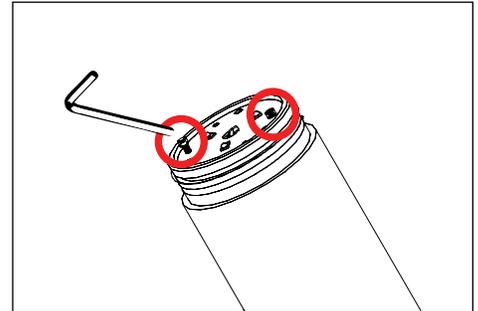
Replacing LED Board/Driver and Optics



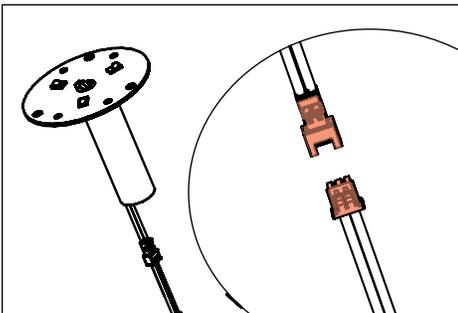
1. Use a 5/64" allen wrench to loosen #8-32 stainless set screw and remove cap.



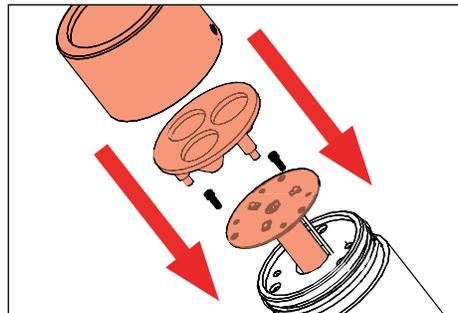
2. Space three fingers evenly around the optic and gently rock optic to remove.



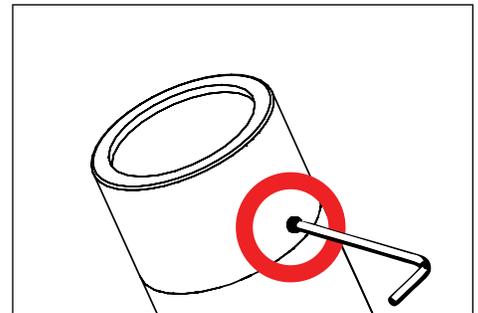
3. Use a 5/64" allen wrench to remove two (2) #2-56 socket head cap screws on LED board, grasp LED board and gently pull up to expose quick disconnect.



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



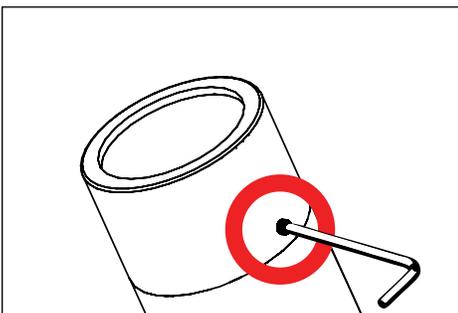
5. Reverse install LED board and driver by carefully wrapping 18 gauge wires around driver and inserting into fixture body. Secure LED board in place with stainless steel screws.



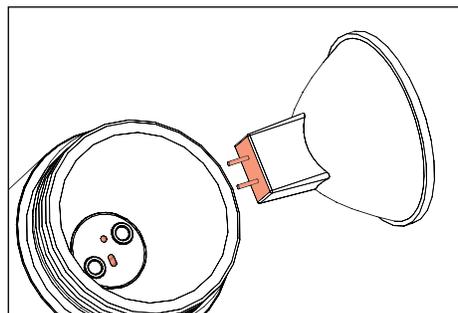
6. Place cap on fixture and tighten set screw. Tighten screw to 1/2 in-lbs. Top of screw should sit flush with fixture cap.

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.

Replacing Low Voltage LED Lamps

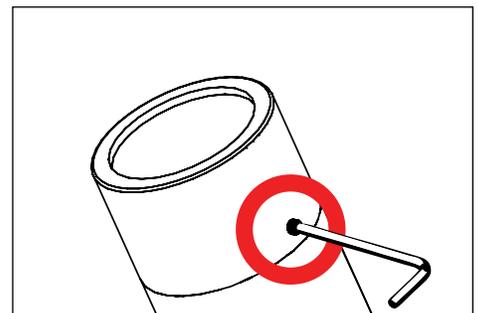


1. Use a 5/64" allen wrench to loosen #8-32 stainless set screw and remove cap.



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

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



3. Place cap on fixture and tighten set screw. Tighten screw to 1/2 in-lbs. Top of screw should sit flush with fixture cap.

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.

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

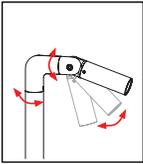


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Standard Adjustment

TOOLS NEEDED:	 5/32" & 5/64" Allen Wrench
----------------------	--



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.

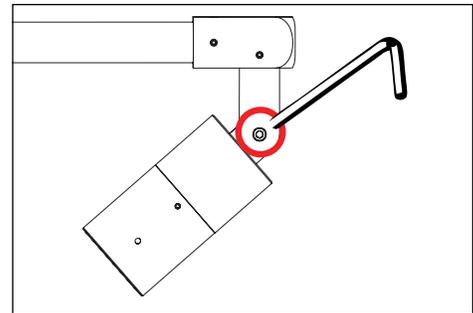
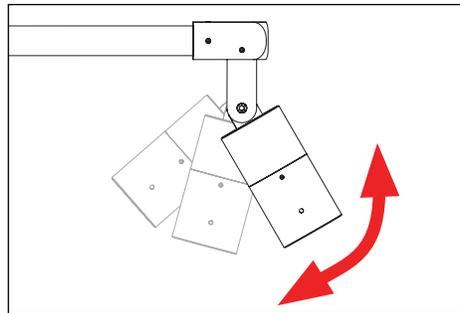
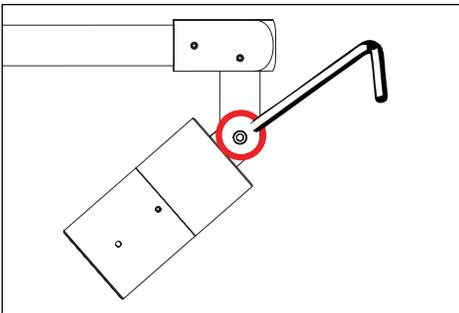
SAVE THESE INSTRUCTIONS

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

L.O.C.K. Knuckle - (Locking 'O' Ring Compression Knuckle)



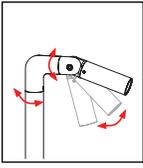
1. Use a 5/32" allen wrench to slightly loosen #10-32 stainless steel set screw on the stem for 180° aiming purpose.
2. Aim fixture to desired angle.
3. Tighten #10-32 stainless steel set screw using a 5/32" allen wrench to secure aiming position.

Warning: Do not over tighten set screw. Doing so will compromise o-ring seal and will void warranty.

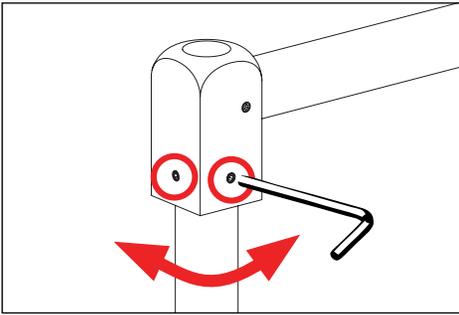
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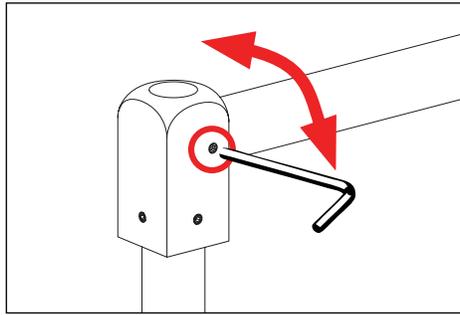
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Standard Adjustment



4. To adjust stem horizontally, loosen two (2) #8-32 screws at base of stem cap using a 5/64" allen wrench. Adjust as needed, then secure.



5. To adjust stem, loosen #8-32 screw with a 5/64" allen wrench at stem cap. Adjust as needed, then secure.

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