

DENALI STAFF STAR/DENALI TWIN STAFF STAR

DENALI ON HP2

Standard Installation



Flammable



Warning



High Voltage



Hot Surface

TOOLS NEEDED:

- 1/8" Allen Wrench
- Waterproof Wire Connectors
- Level
- Phillips Screwdriver
- 7/8" Hole Saw

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.

Please refer to the low voltage design guide at www.bklighting.com/lvguide before installation for proper wire selection.

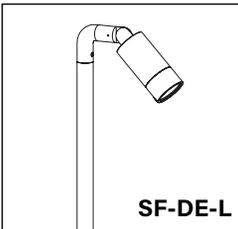
This set of instructions works for:

SF-DE-B - Denali Staff Star Style "B"

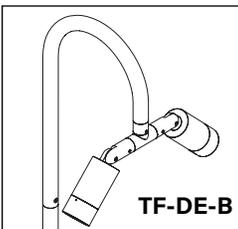
SF-DE-L - Denali Staff Star Style "L"

TF-DE-B - Denali Twin Staff Star "B"

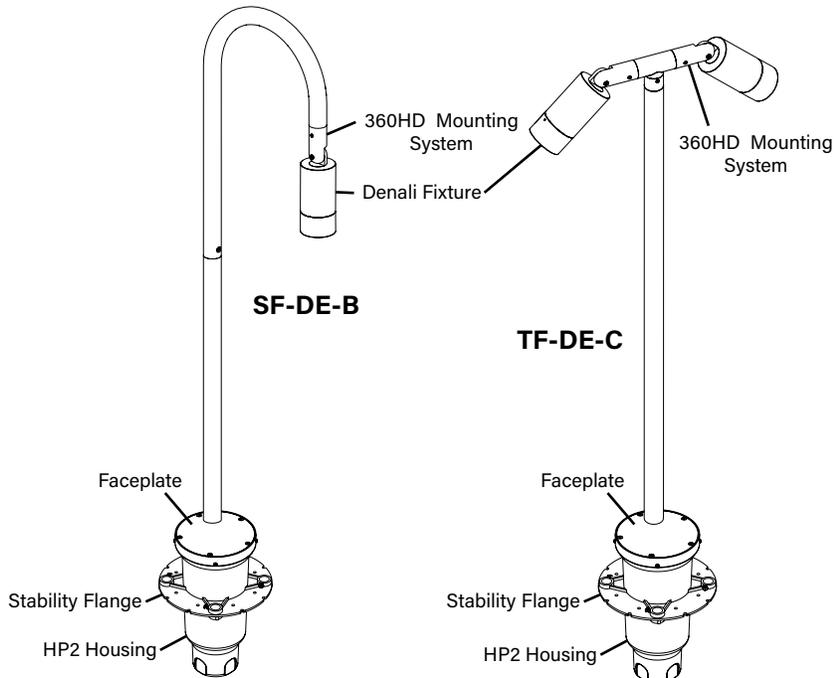
TF-DE-C - Denali Twin Staff Star "C"



SF-DE-L



TF-DE-B



SF-DE-B

TF-DE-C

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

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RELEASE DATE
 05/11/2023

REFERENCE NUMBER
 INS-2316-00

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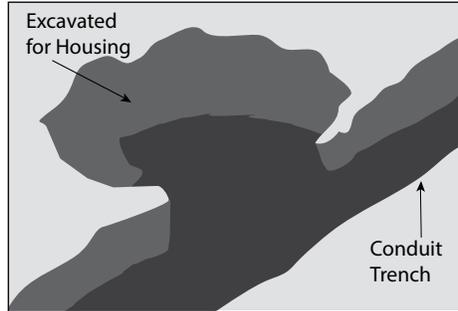
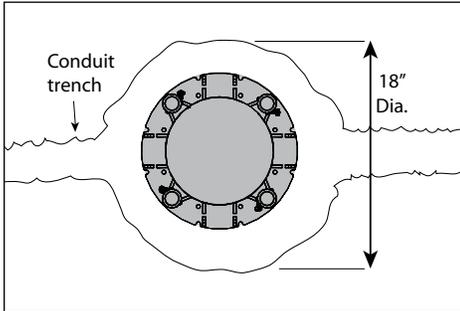


DENALI STAFF STAR/DENALI TWIN STAFF STAR

DENALI ON HP2

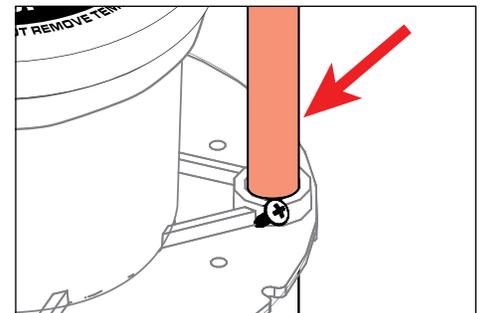
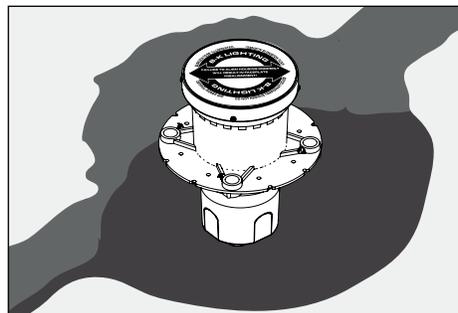
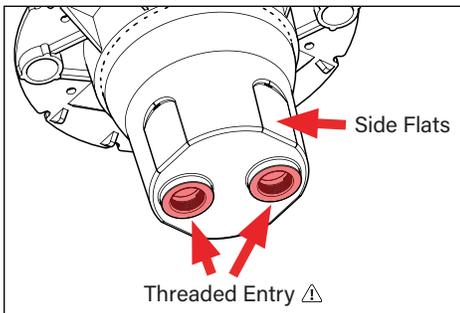
Standard Installation

Soil Prep

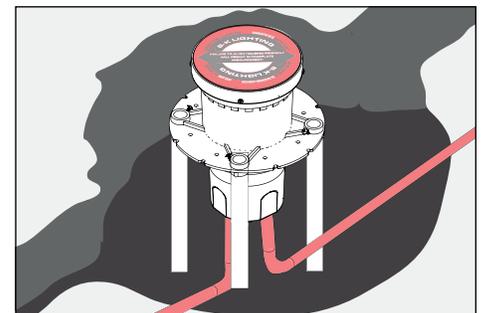
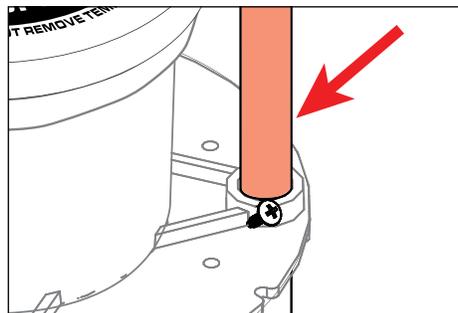
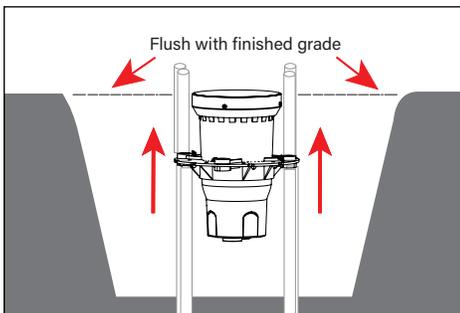


- A. Determine Soil Type by referencing DIG-IT Guide.
- B. Dig hole 18" wide and 20" deep.
- C. Prep soil according to DIG-IT Guide.

Housing Installation



- 1. Connect branch conduit connectors (not included) to the junction box using either the threaded conduit entries on the bottom of the junction box or through holes drilled into the sides of the junction box.
⚠️ Recommend 7/8" drill bit for side installation.
- 2. Place housing in hole. Align junction box in the path of the conduit trench.
- 3. Insert four (4) pieces of 1/2" EMT conduit through the stability flange. Hammer into substrate until secure.
⚠️ Leave sufficient clearance to elevate housing to finished grade.



- 4. Raise housing on EMT so housing is flush with finished grade. Use a level to aid in housing installation.
- 5. When housing is level, tighten screws on stability flange to secure housing to EMT. Remove excess EMT as needed.
- 6. Pull primary branch circuit wiring into junction box.

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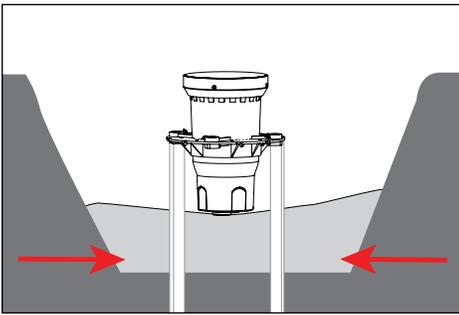
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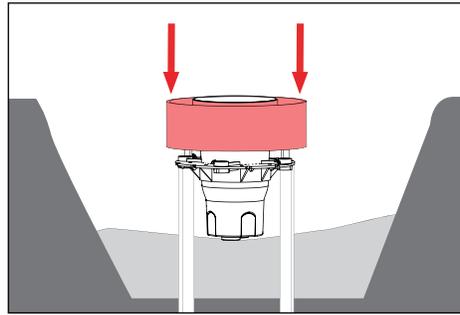
DENALI STAFF STAR/DENALI TWIN STAFF STAR

DENALI ON HP2

Standard Installation

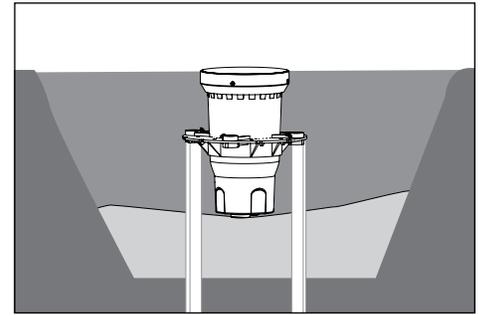


7. Per DIG-IT Guide, backfill the gap between the bottom of housing and bottom of hole with sand for drainage.



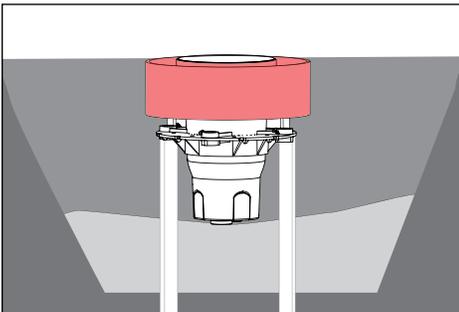
OPTIONAL GROUT MASK INSTALLATION (IF ORDERED)

7. Fill partway, then place grout mask around housing, centered at faceplate. Insert stakes through stability flange. Top of grout mask should be flush with grade.



8. **For soil installation:** Fill and tamp soil to the appropriate height leaving room for sod, pavers, etc. to be level with the top of the temporary cover.

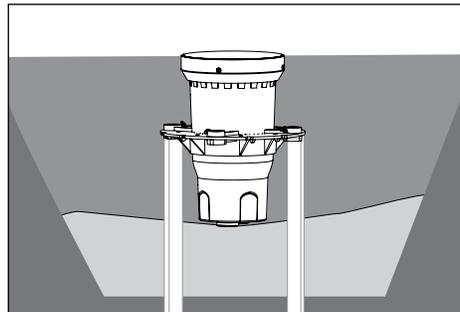
⚠ Soil installation is not drive-over rated.



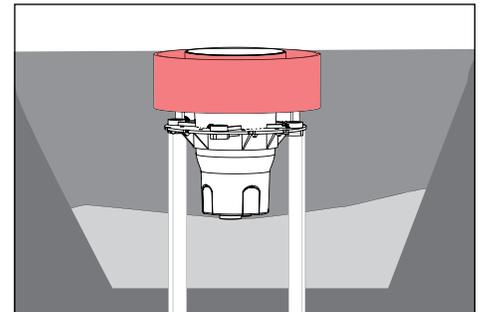
OPTIONAL GROUT MASK INSTALLATION (IF ORDERED)

8. **For soil installation:** Fill and tamp soil to the appropriate height leaving room for sod, pavers, etc. to be level with the top of the temporary cover.

⚠ Soil installation is not drive-over rated.



9. **For concrete installation:** Fill the hole around the fixture housing to 12" below the finished grade with clean fill dirt and tamp carefully to prevent settling of fixture. Pour concrete and finish as required flush with the top surface of the temporary cover.



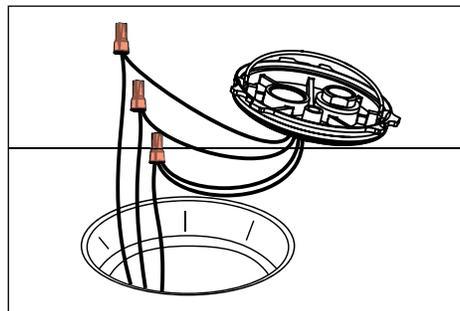
OPTIONAL GROUT MASK INSTALLATION (IF ORDERED)

9. **For concrete installation:** Fill the hole around the fixture housing to 12" below the finished grade with clean fill dirt and tamp carefully to prevent settling of fixture. Pour concrete and finish as required flush with the top surface of the grout mask.

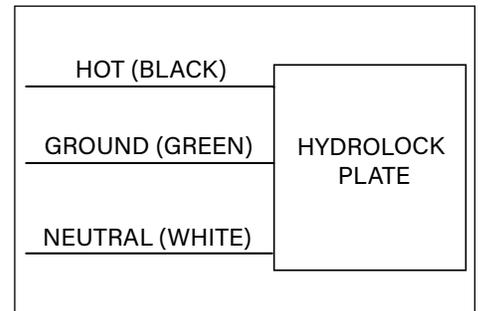
Installation



1. Remove temporary cover.



2. Make necessary connections using waterproof wire connectors (included) to leads on the bottom of Patented HydroLock Barrier Plate Assembly. See wiring diagram(s).



WIRING DIAGRAM

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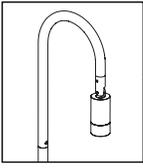


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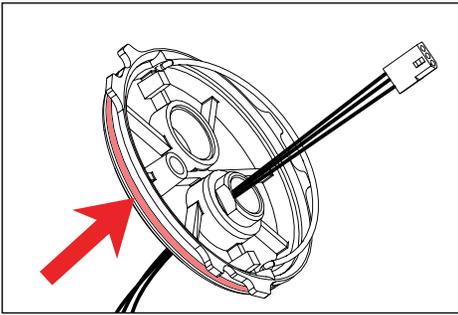
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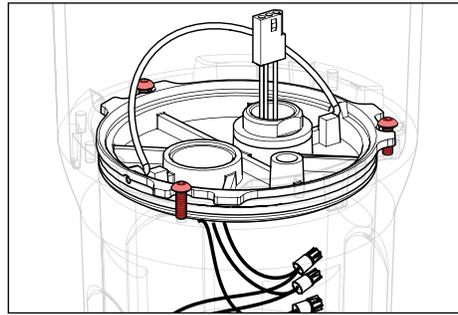
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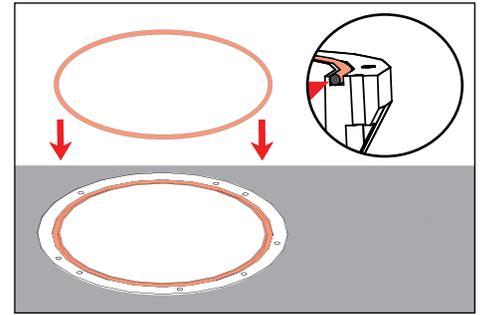
Standard Installation



3. Wipe inside of housing where HydroLock plate will sit clean of debris before inserting patented HydroLock plate on to junction box. Align HydroLock plate with pins in housing and seat it firmly in place.

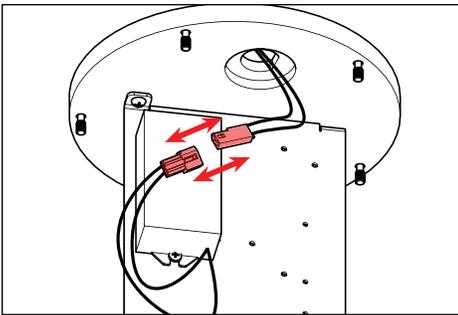


4. Turn HydroLock Barrier Plate clockwise 1/4" to lock.
⚠ Patented HydroLock Barrier Plate must be completely seated to ensure proper seal or water may intrude. This step must be done as stated or you will void your warranty.

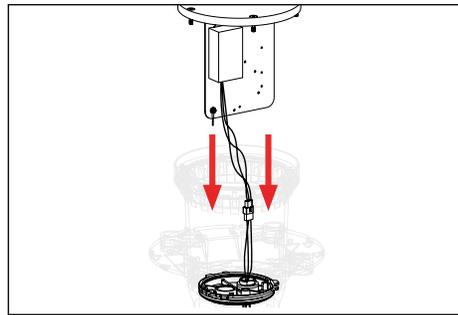


5. Remove any dirt or debris in o-ring groove near top of housing. Place o-ring inside of groove.
⚠ Failure to clean groove of debris will cause fixture to fail and void product warranty.

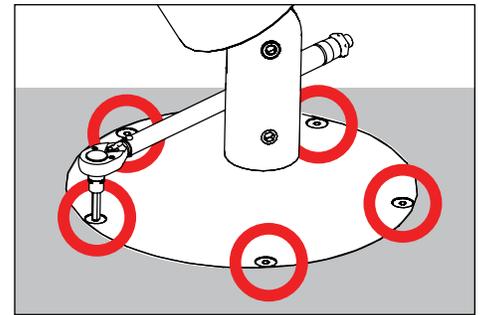
Installation for Single Fixture Staff Star



6. Feed fixture leads through faceplate wireway hole. Mount fixture onto faceplate using lock nut provided with fixture. Connect leads to driver using factory wired quick connectors.

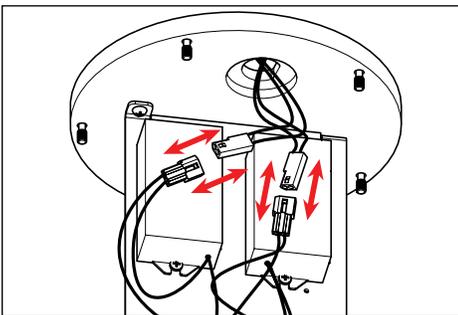


7. Connect the faceplate with the driver assembly to installed HydroLock with factory wired quick connectors. Lower faceplate assembly into HP2 housing.

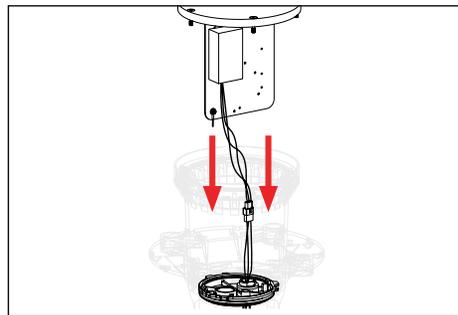


8. Install faceplate using a 1/8" allen wrench and hand-tighten the faceplate screws in a star pattern to 30 in-lbs. min.
⚠ Do not use a power tool to install screws. Do not exceed 40 in-lbs.

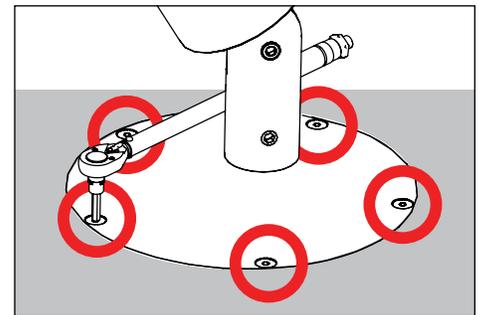
Installation for Dual Fixture Staff Star



6. Feed fixture leads through faceplate wireway hole. Mount fixture onto faceplate using lock nut provided with fixture (order separately). Connect leads to driver using factory wired quick connectors.



7. Connect the faceplate with the driver assembly to installed HydroLock with factory wired quick connectors. Lower faceplate assembly into HP2 housing.



8. Install faceplate using a 1/8" allen wrench and hand-tighten the faceplate screws in a star pattern to 30 in-lbs. min.
⚠ Do not use a power tool to install screws. Do not exceed 40 in-lbs.

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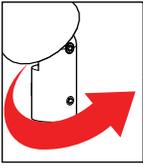


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Standard Adjustment

360HD KNUCKLE MOUNTING SYSTEM



Flammable



Warning



Hot Surface

TOOLS
NEEDED:

 3/16" 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

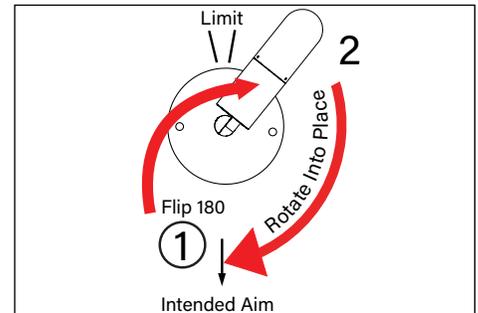
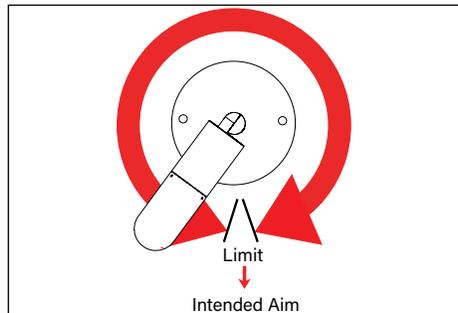
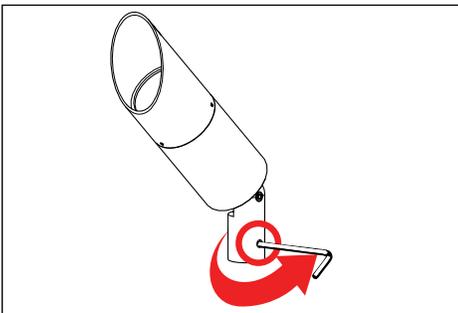
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- Follow product label information and instructions.
- Qualified Personnel with appropriate personal protective equipment must perform all servicing of this product.
- Before wiring to power supply and during servicing, turn off and lock out power 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 • Additionally suitable for mounting within 4 ft. of the ground

360HD Knuckle Mounting System



1. Use a 3/16" allen wrench to slightly loosen one (1) 3/8"-16 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 3/16" allen wrench, slightly loosen both set screws in the knuckle, 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 one (1) 3/8"-16 set screw using a 3/16" 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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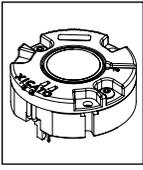
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LED BOARD / OPTICS

CHIP ON BOARD TECHNOLOGY (x58-63)

Standard Installation Replacement



Warning



Hot Surface

TOOLS NEEDED:	.050" & 5/64" Allen Wrench
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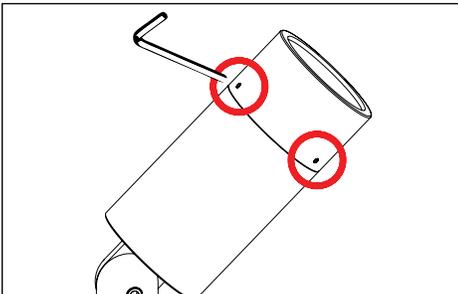
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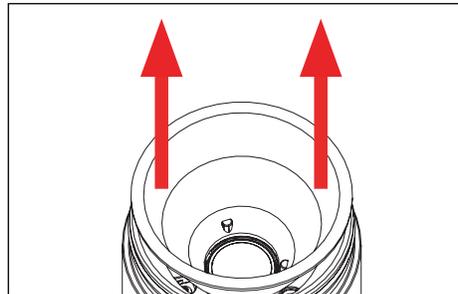
- Suitable for wet locations



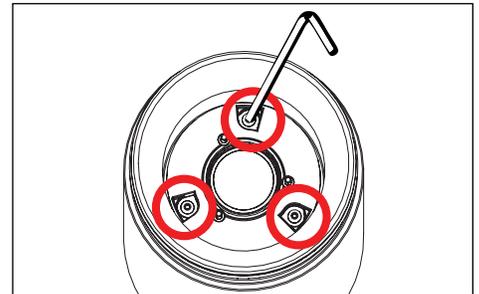
This product is available with field replaceable components. Exclusive interchangeable modular LED components with quick disconnects simplifies upgrades and maintenance when necessary.



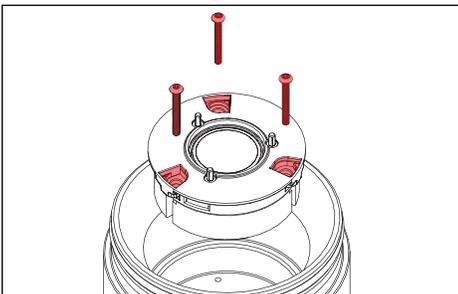
1. Use a 5/64" allen wrench to slightly loosen three (3) #8-32 stainless steel set screws to remove cap.



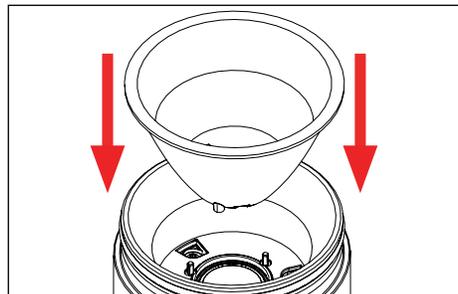
2. Remove optic by pulling gently and lift up.



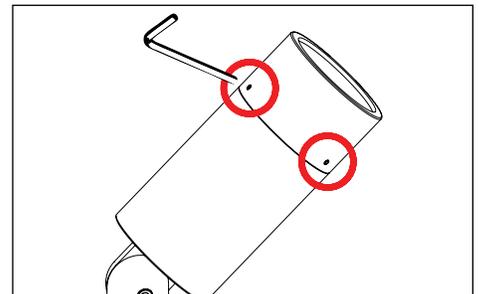
3. Use a .050" allen wrench to loosen three (3) set screws holding optic holder and LED module.



4. Gently lift LED module and disconnect from fixture. Install new LED module. Secure set screws through LED module and optic holder using a .050" allen wrench.



5. Replace optic by lining tabs with optic holder, then pressing down gently until secured into place.



6. Place cap on fixture and tighten set screws until they are flush with the cap.

⚠ Do not pull on connector or wiring. Handle with care.

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

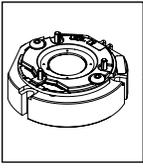
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LED BOARD / OPTICS

CHIP ON BOARD TECHNOLOGY (x64-x66)

Standard Installation Replacement



Warning



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TOOLS
NEEDED:



.050" & 5/64" Allen Wrench

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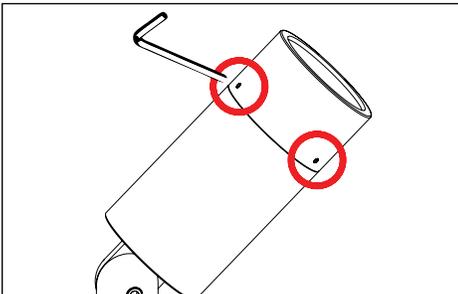
- Product must be installed by a qualified person in a manner consistent with its intended use and in compliance with the National Electrical Code, Canadian Electrical Code, and all Local and Provincial Codes.
- Follow product label information and instructions.
- Qualified Personnel with appropriate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

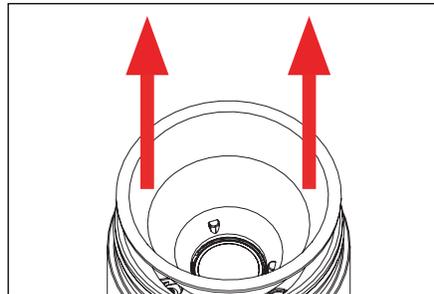
- Suitable for wet locations



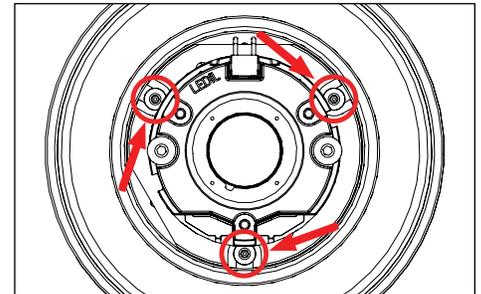
This product is available with field replaceable components. Exclusive interchangeable modular LED components with quick disconnects simplifies upgrades and maintenance when necessary.



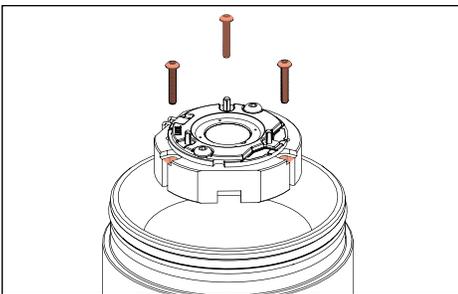
1. Use a 5/64" allen wrench to slightly loosen three (3) #8-32 stainless steel set screws to remove cap.



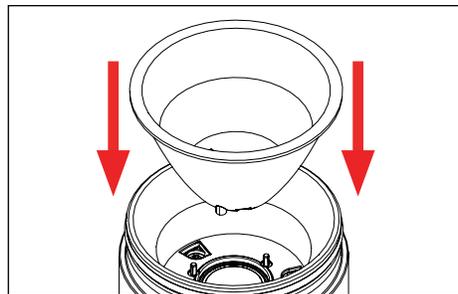
2. Remove optic by pulling gently and lift up.



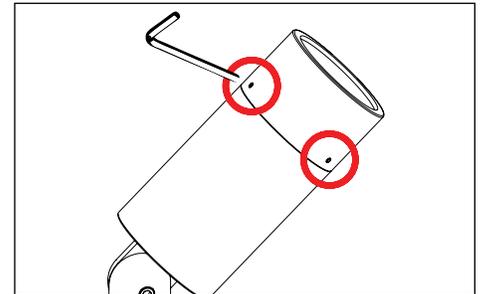
3. Use a .050" allen wrench to loosen three (3) set screws holding LED module. Gently lift from fixture.



4. Gently lift LED module and disconnect from fixture. Install new LED module. Secure set screws using a .050" allen wrench.



5. Replace optic by lining notches with optic holder, then pressing down gently until secured into place.



6. Place cap on fixture and tighten set screws until they are flush with the cap.

Warning: Do not pull on connector or wiring. Handle with care.

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

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

B-K LIGHTING

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