



Remote Transformer/Line Voltage Installation



Flammable



Warning



High Voltage



Hot Surface

TOOLS NEEDED:

- 1/8" Allen Wrench
- Waterproof Wire Connectors (Required)
- Level
- Phillips Screwdriver
- Torque 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

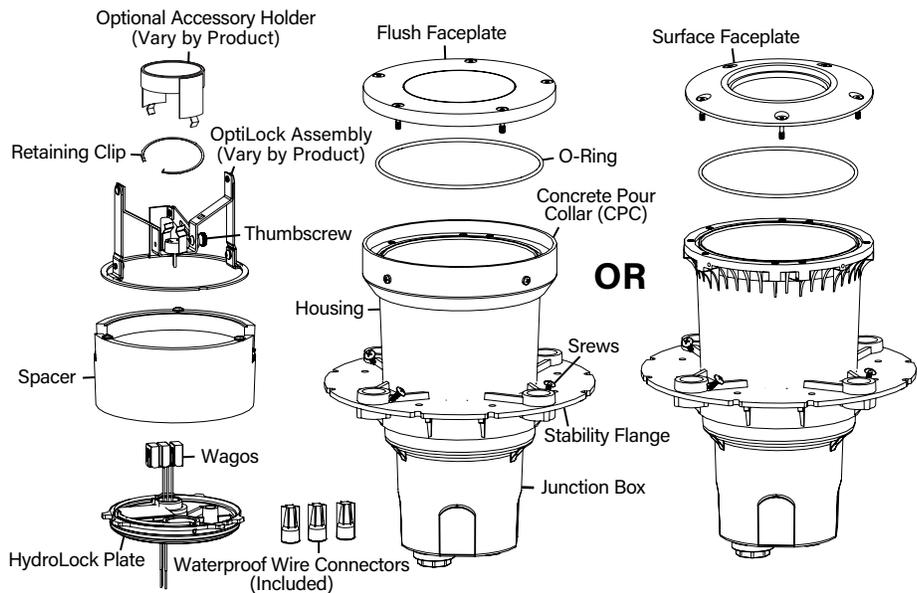
- Suitable for wet locations • Additionally suitable for mounting within 4 ft. of the ground

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.

IMPORTANT WARNING

DO NOT use additional sealants or adhesives. Unauthorized modifications may compromise the integrity of the product and will void its warranty.

For any questions, issues, or technical support regarding an installation, please contact our technical support team for assistance before proceeding at (559) 438-5800.



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

B-K LIGHTING

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 559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

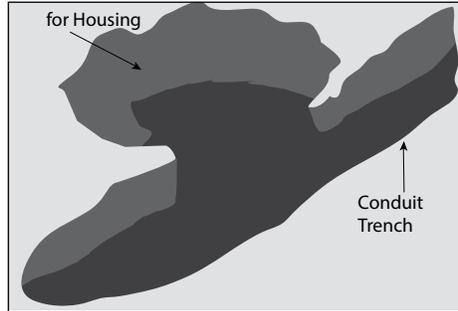
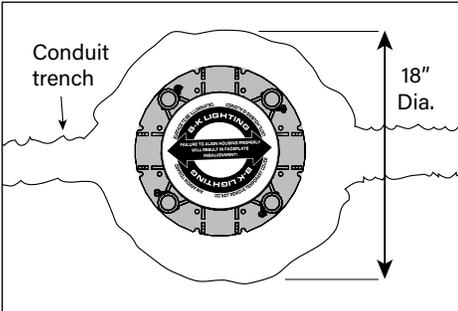
RELEASE DATE
 09/10/2024

REFERENCE NUMBER
 INS-2852-00



Remote Transformer/Line Voltage Installation

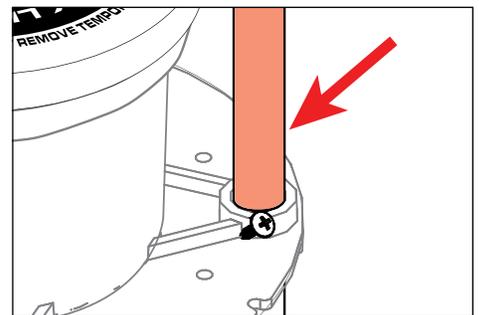
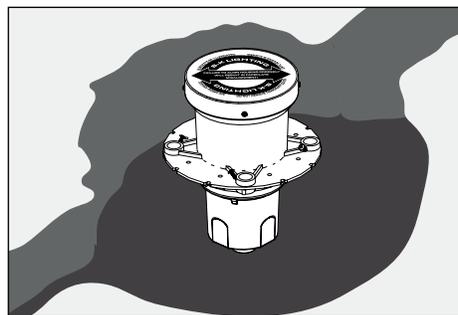
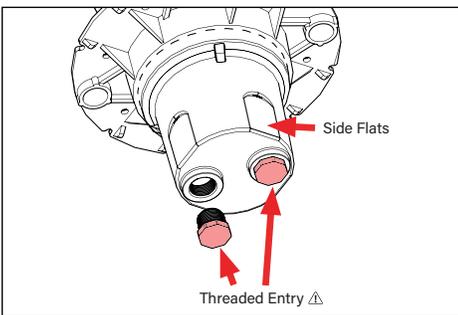
Soil Prep



1. Determine Soil Type by referencing DIG-IT Guide.
2. Dig hole 18" wide and 18" deep.
3. Prep soil according to DIG-IT Guide.

SCAN WITH SMART DEVICE OR CLICK THE BAR CODE FOR ONLINE DIG-IT GUIDE

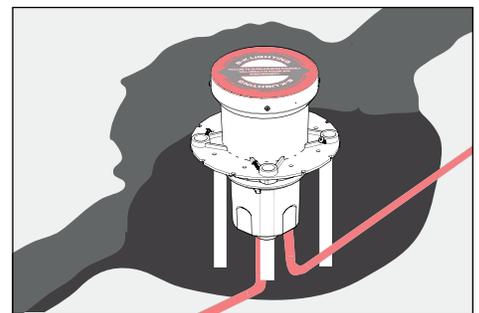
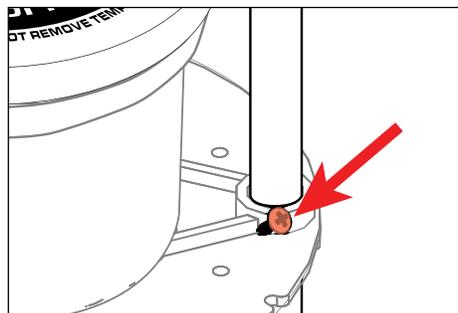
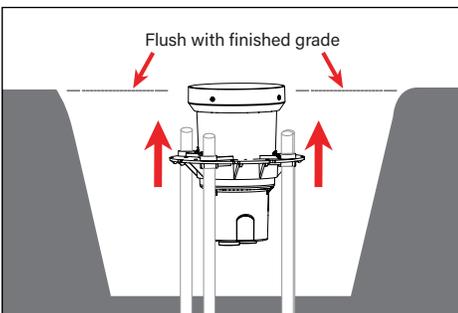
Housing Installation - (For use with Flush Faceplate)



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.
2. Place housing in hole. Align junction box in the path of the conduit trench.
3. Insert four (4) pieces of 1/2" PVC/EMT conduit through the stability flange. Hammer into substrate until secure.

⚠ Remove 3/4" plug to install conduit connector. Any unused conduit entries should remain plugged.

⚠ Leave sufficient clearance to elevate housing to finished grade.



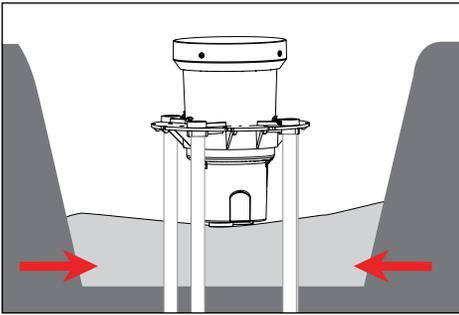
4. Raise housing on PVC/EMT so housing is flush with finished grade. Use a level to aid in housing installation.
5. When housing is level, tighten screws on stability flange to secure housing to PVC/EMT. Remove excess PVC/EMT as needed.
6. Pull primary branch circuit wiring into junction box.

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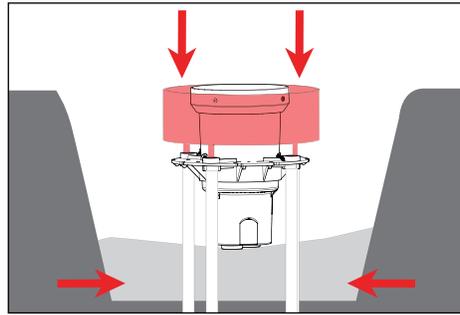




Remote Transformer/Line Voltage Installation

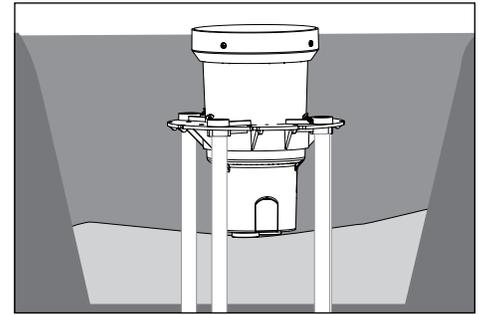


7. Per DIG-IT Guide, backfill hole based off of determined soil type.



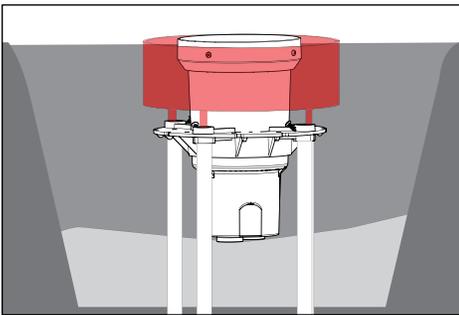
OPTIONAL GROUT MASK INSTALLATION (IF ORDERED)

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.

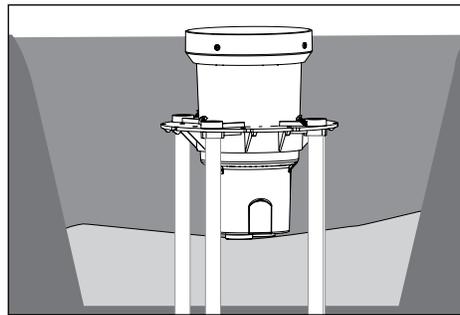
⚠ Soil installation is not drive-over rated.



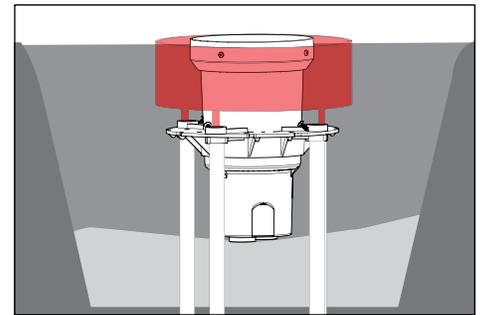
OPTIONAL GROUT MASK INSTALLATION (IF ORDERED)

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 7" 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.

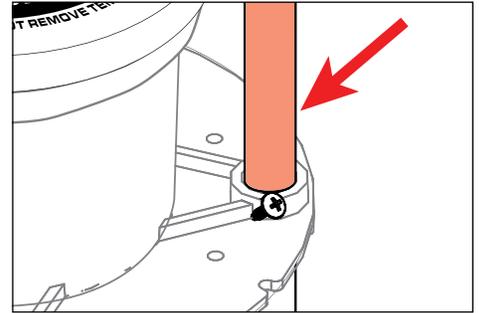
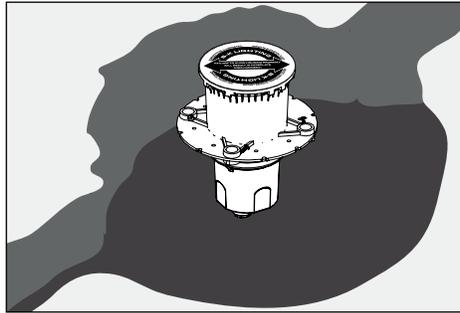
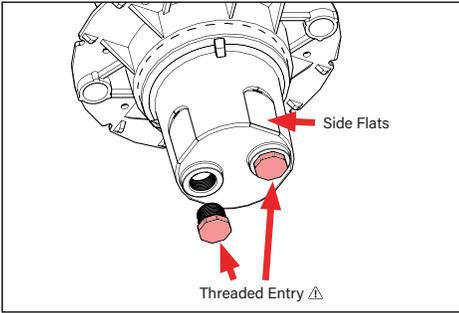
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Remote Transformer/Line Voltage Installation

Housing Installation - (For use with Surface Faceplate)



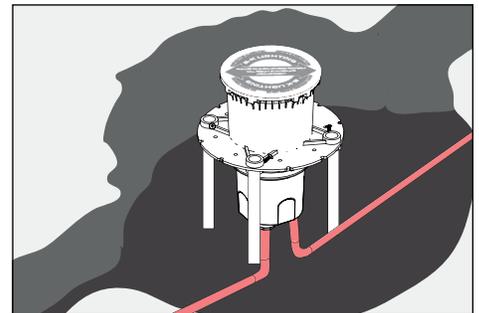
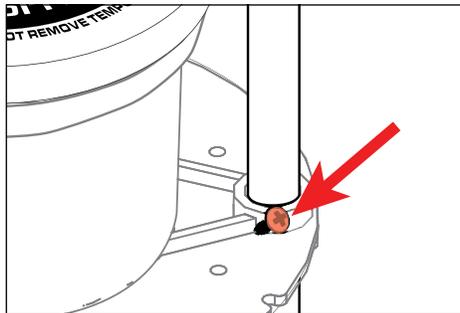
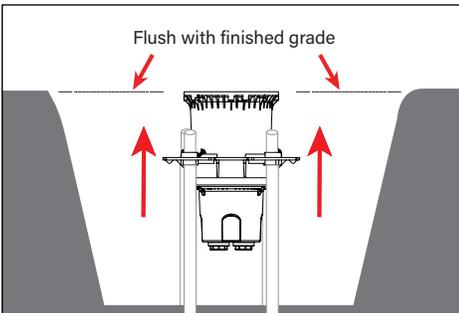
1. Connect branch conduit connectors (not included) to the junction box using either the threaded entries on the bottom of the junction box or through holes drilled into the sides of the junction box.

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.

⚠ Remove 3/4" plug to install conduit connector. Any unused conduit entries should remain plugged.

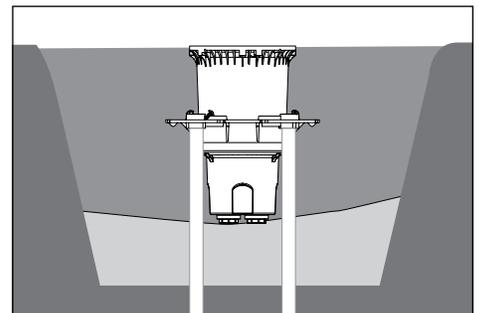
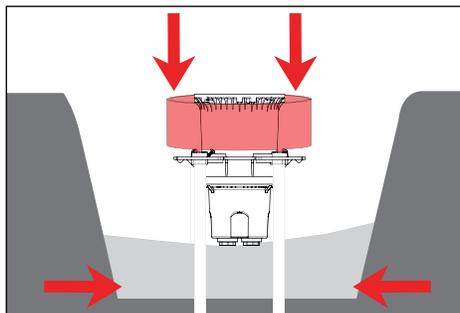
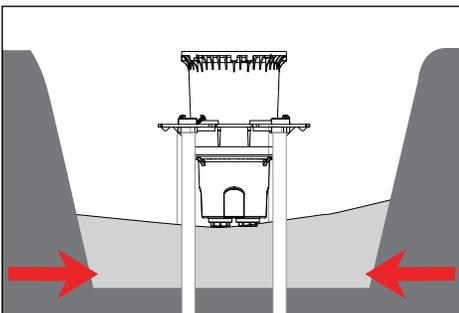
⚠ Leave sufficient clearance to elevate housing to finished grade.



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.



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.

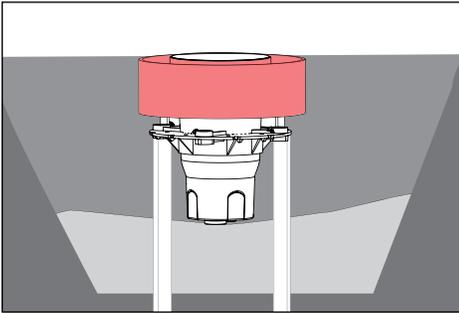
8. For soil installation: Fill and tamp soil to the appropriate height leaving room for sod, pavers, etc. to be level with the top of the temporary cover.

⚠ Soil installation is not drive-over rated.

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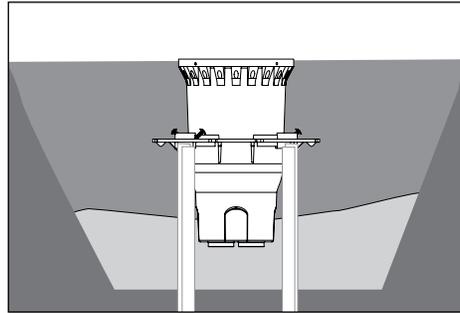
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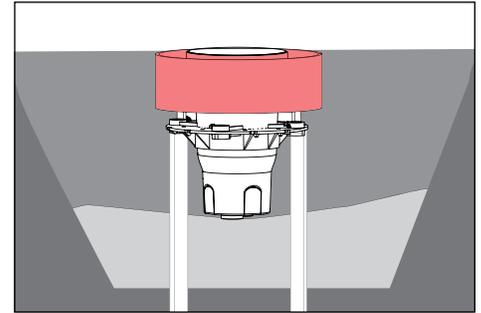
OPTIONAL GROUT MASK INSTALLATION (IF ORDERED)

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.



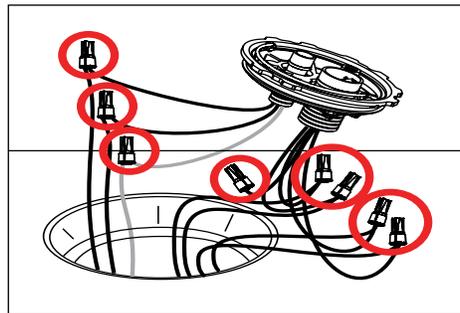
OPTIONAL GROUT MASK INSTALLATION (IF ORDERED)

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



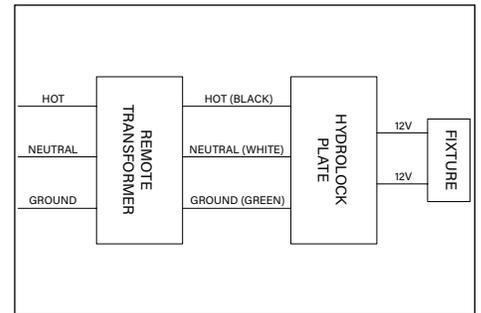
1. Remove temporary cover.



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

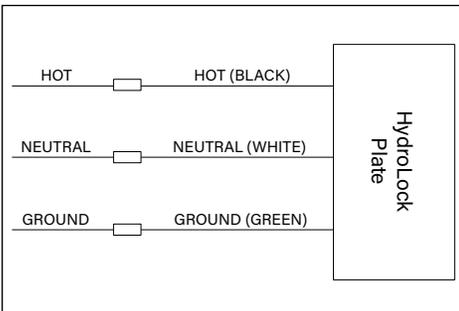
⚠ Number of connections may vary depending on wiring controls chosen as per lighting plan. See wiring diagram.

⚠ Failure to use waterproof wire connectors will void warranty.



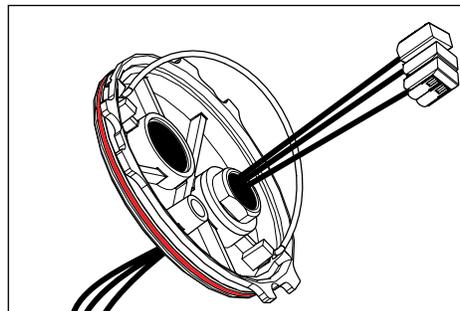
WIRING DIAGRAM FOR USE WITH:

- MR16
- PAR36/AR111

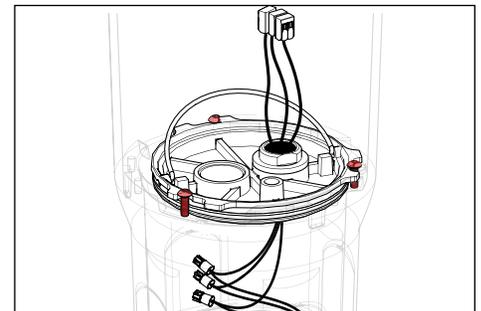


WIRING DIAGRAM FOR USE WITH:

- GU10
- PAR20/PAR30



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.

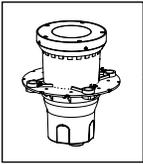


4. Turn HydroLock Barrier Plate clockwise 1/4" to lock.

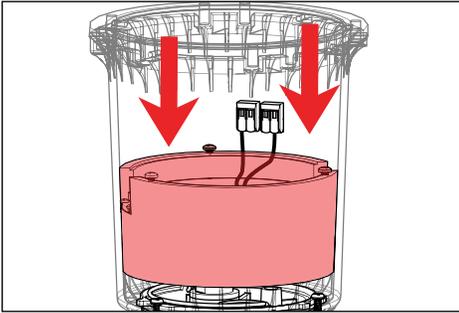
⚠ Patented HydroLock Barrier Plate must be completely seated to ensure proper seal or water may intrude. This step must be done as stated or you will void your warranty.

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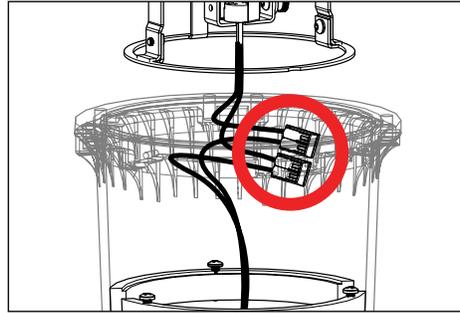


Remote Transformer/Line Voltage Installation

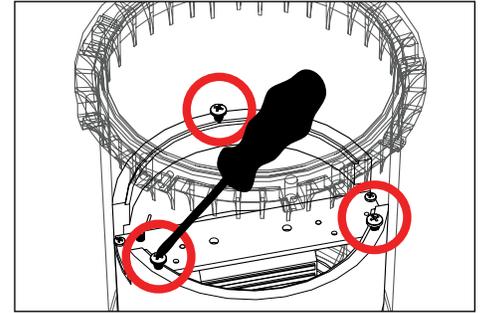


5. Lower spacer into HP2 housing.

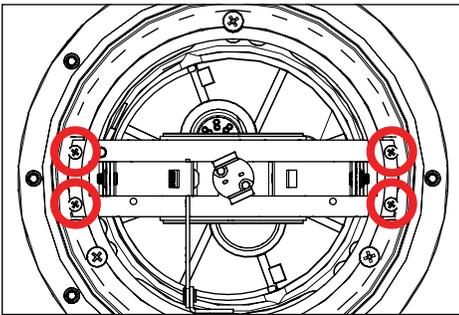
⚠ Do not force into HP2 housing. Use caution to not pinch any wiring under the transformer assembly.



6. Make connections using wago connectors to OptiLock assembly and transformer wiring. To connect, lift the lever on the wago, insert the conductor into opening, then snap the lever back down. Refer to Wiring diagram.

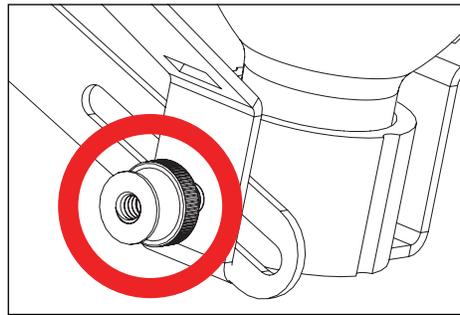


7. If necessary, slightly loosen three (3) #8 screws using a phillips head screwdriver. **Do not fully remove screws.**



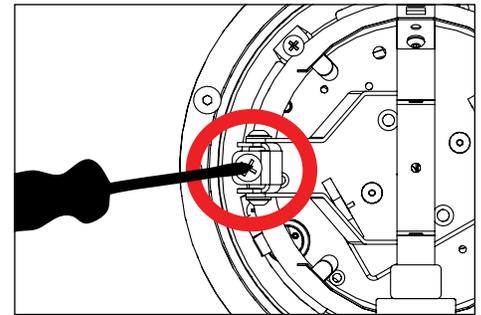
8. Place OptiLock in HP2 housing and align keyhole notch under one of three (3) #8 screw heads. Rotate horizontally to desired aiming position, then tighten two (2) #8 phillips screws using phillips screwdriver. Install proper MR16 halogen or PAR36/AR111 lamp according to instructions on Lamp Installation or Re-Lamping page.

⚠ OptiLock varies by product.



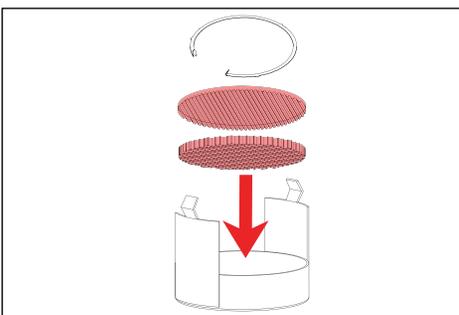
FOR USE WITH MR16

9a. Aim vertically by turning the thumbscrew on OptiLock assembly.



FOR USE WITH GU10, PAR36/AR111 and PAR20/PAR30

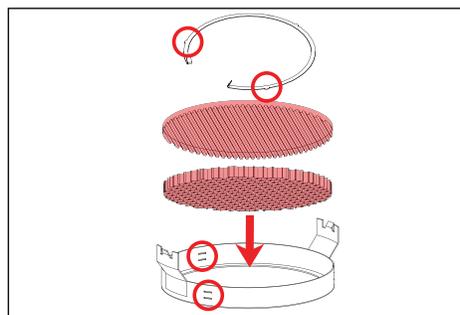
9b. Aim vertically by turning the #10 phillips head screw on OptiLock assembly with phillips screwdriver.



FOR USE WITH MR16, GU10, and PAR20/PAR30

10a. Turn accessory holder upside down and remove retainer clip. Insert up to two (2) accessories. Insert the retainer clip back on.

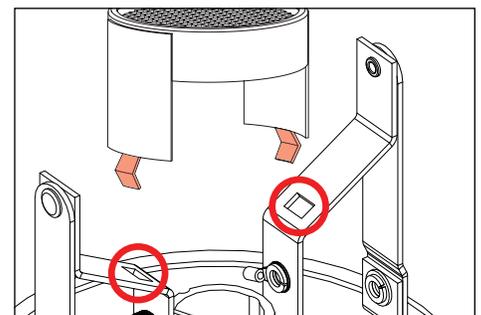
⚠ Insert any accessory lens with the smooth side towards the lamp. If using a honeycomb baffle, position it farthest from the lamp.



FOR USE WITH PAR36/AR111

10b. Turn accessory holder upside down and remove retainer clip. Insert up to two (2) accessories. Insert the retainer clip back on.

⚠ Insert any accessory lens with the smooth side towards the lamp. If using a honeycomb baffle, position it farthest from the lamp.



FOR USE WITH MR16, GU10, OR PAR20/PAR30

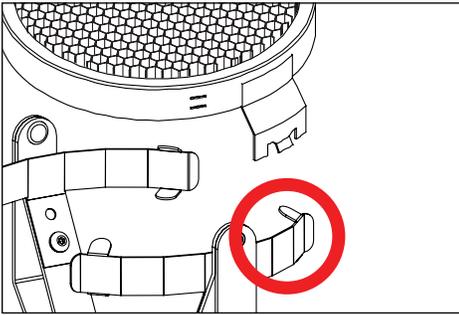
11a. **For Optional Accessory Holder:** Insert accessory holder tabs into slots on OptiLock.

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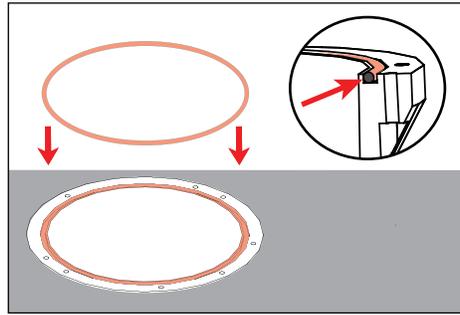


Remote Transformer/Line Voltage Installation



FOR USE WITH PAR36/AR111

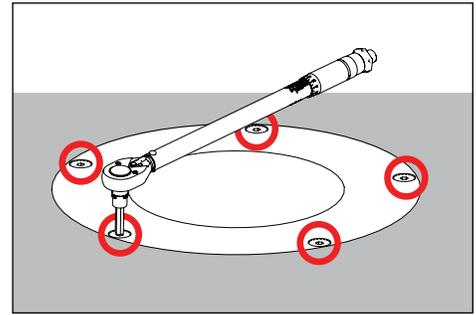
11b. For **Optional Accessory Holder**: Insert accessory holder tabs onto arms on OptiLock.



12. 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.**

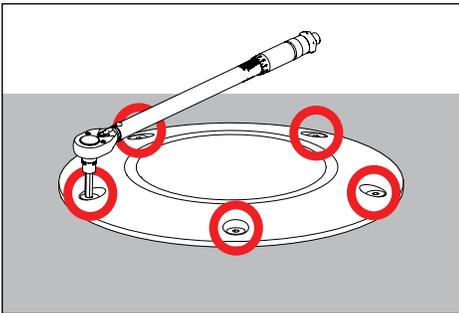
⚠ **NOTE: See warning on page 1. Failure to comply with requirements will void warranty.**



13a. (For use with flush faceplate) - 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.**

⚠ **NOTE: See warning on page 1. Failure to comply with requirements will void warranty.**



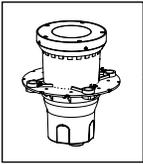
13b. (For use with surface faceplate) - Install faceplate using a 1/8" allen wrench and hand-tighten the faceplate screws in a star pattern to 30 in-lbs. min.

⚠ **Do not use a power tool to install screws. Do not exceed 40 in-lbs.**

⚠ **NOTE: See warning on page 1. Failure to comply with requirements will void warranty.**

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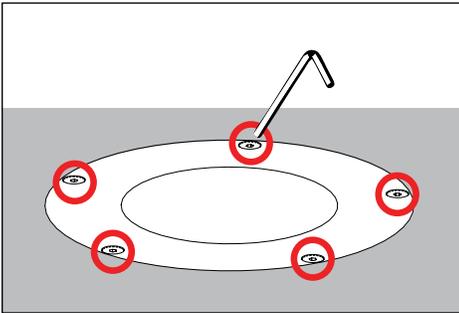
High Voltage



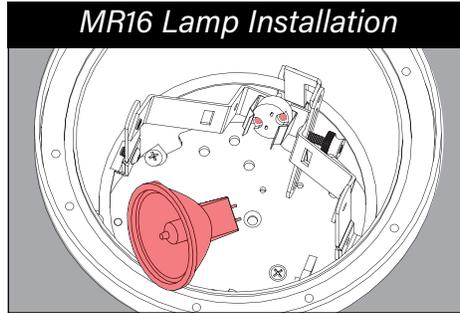
Hot Surface

TOOLS NEEDED:	1/8" Allen Wrench
	Torque Wrench

Lamp Installation or Re-lamping



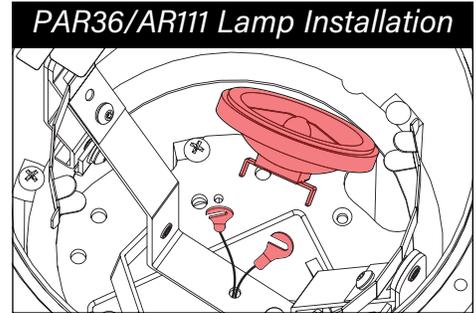
1. Remove faceplate using a 1/8" allen wrench. If there is an optional accessory holder, carefully squeeze tabs on sides and gently pull from slots on OptiLock.



MR16 Lamp Installation

2a. Firmly insert proper MR16 lamp into socket to make connection.

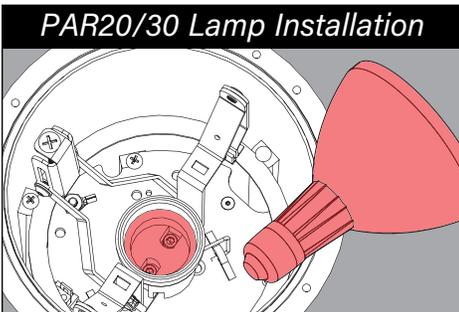
⚠ Do not exceed the maximum wattage listed on the fixture label before installing.



PAR36/AR111 Lamp Installation

2b. Install proper PAR36/AR111 lamp by placing connectors around loosened terminal screws, then gently tightening screw to make connection.

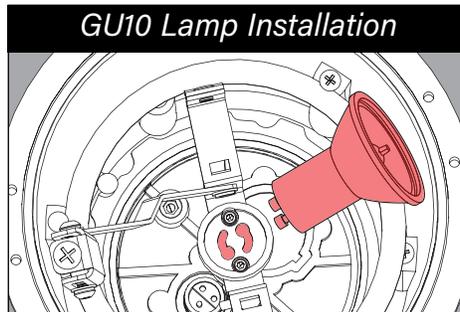
⚠ Do not exceed the maximum wattage listed on the fixture label before installing.



PAR20/30 Lamp Installation

2c. Firmly insert proper PAR20/30 lamp into socket to make connection.

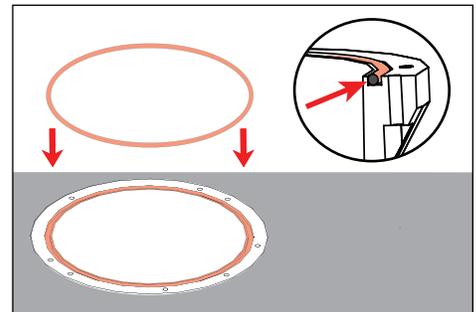
⚠ Do not exceed the maximum wattage listed on the fixture label before installing.



GU10 Lamp Installation

2d. Firmly insert proper GU10 lamp pins into socket, then gently twist to make connection.

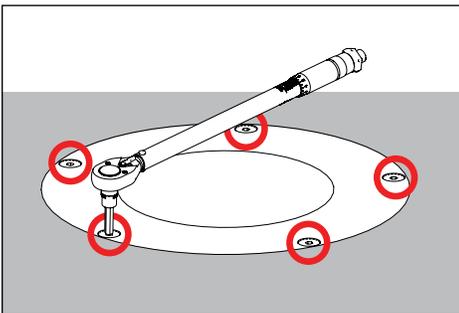
⚠ Do not exceed the maximum wattage listed on the fixture label before installing.



3. 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.

⚠ NOTE: See warning on page 1. Failure to comply with requirements will void warranty.



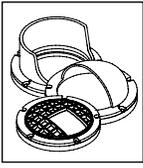
4. Install faceplate using a 1/8" allen wrench and hand-tighten the faceplate screws in a star pattern to 30 in-lbs. min.

⚠ Do not use a power tool to install screws. Do not exceed 40 in-lbs.

⚠ NOTE: See warning on page 1. Failure to comply with requirements will void warranty.

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





HP2 - FLUSH FACEPLATE

FACEPLATE ACCESSORIES

Accessories Installation Instructions



Warning



Hot Surface

TOOLS NEEDED:

-  1/8" & 7/64" Allen Wrench
-  Torque 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

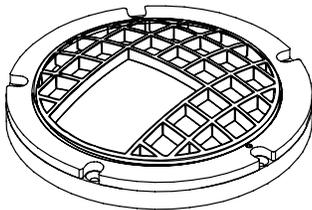
IMPORTANT SAFETY INFORMATION - READ, FOLLOW, AND SAVE ALL SAFETY AND INSTALLATION INSTRUCTIONS

- 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.

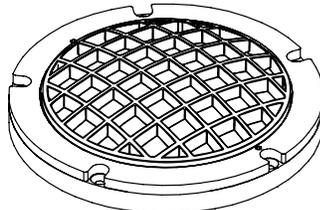
IMPORTANT LISTINGS AND CERTIFICATIONS

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

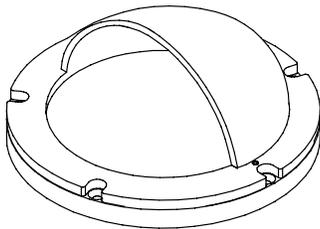
Proper soil preparation is recommended before installation. See the DIG-IT guide at www.bklighting.com/collaterals/install/digit.pdf for more information.



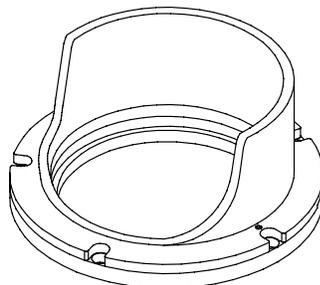
Rock Guard with Optical Opening



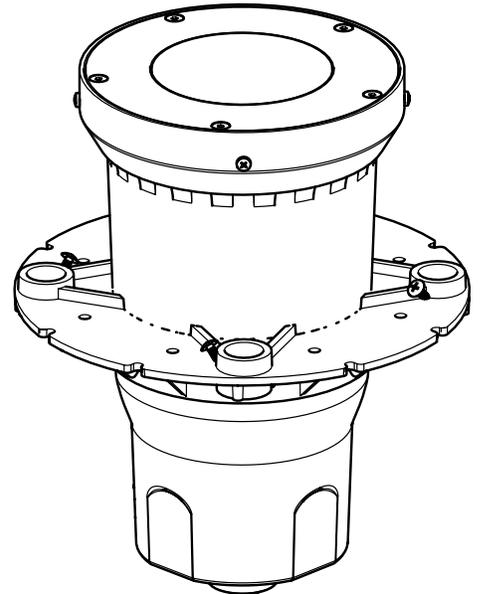
Rock Guard



Half Dome B



Glare Shield B



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

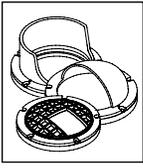
B-K LIGHTING

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RELEASE DATE
02/02/2024

REFERENCE NUMBER
INS-2882-00

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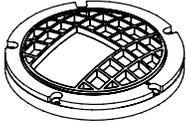
HP2 - FLUSH FACEPLATE

FACEPLATE ACCESSORIES

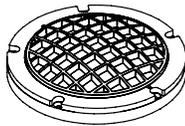
Accessories Installation Instructions

Faceplate with Accessories

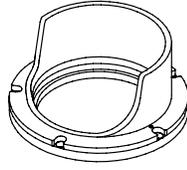
Instructions Apply To...



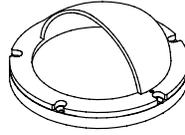
Rock Guard with Optical Opening



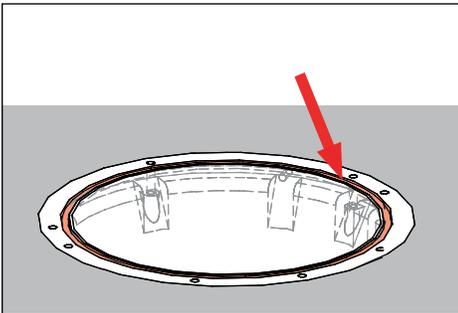
Rock Guard



Glare Shield B



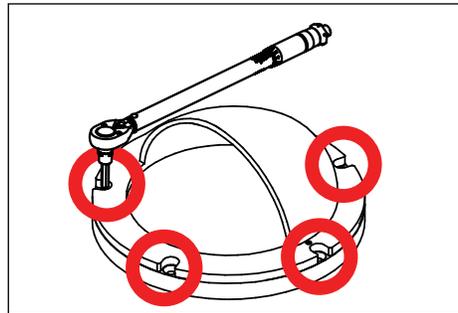
Half Dome B



1. Before installation of faceplate, clean o-ring groove and collar of debris for a proper seal.

⚠ Failure to remove debris from groove will cause fixture to fail and void product warranty.

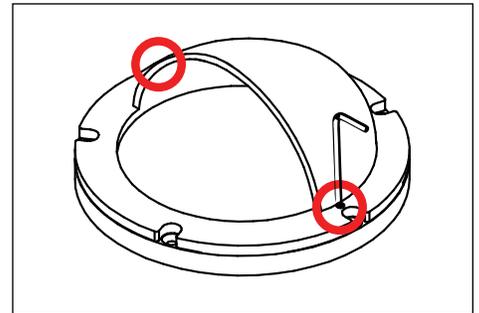
⚠ NOTE: See warning on page 1. Failure to comply with requirements will void warranty.



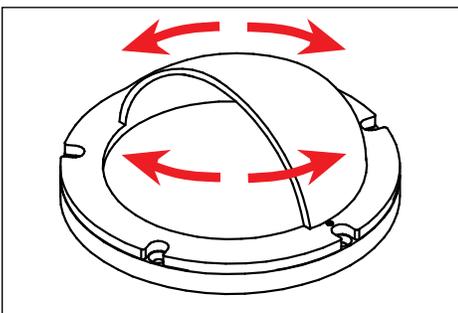
2. Install faceplate using a 1/8" allen wrench and hand-tighten the five (5) #10-24 faceplate screws in a star pattern to 30 in-lbs. min.

⚠ Do not use a power tool to install screws. Do not exceed 40 in-lbs.

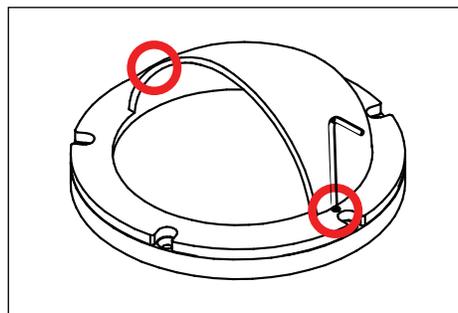
⚠ NOTE: See warning on page 1. Failure to comply with requirements will void warranty.



3. Using a 7/64" allen wrench, loosen the two (2) #6-32 set screws on the faceplate to allow accessory to rotate freely.



4. Accessory can rotate 360° independently of faceplate.



5. When set in final position, tighten two (2) #6-32 set screws using a 7/64" allen wrench.

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