

Installation Instructions

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

(Failure to follow the warnings and instructions on this sheet could result in fire, injury, failure of product, and/or voiding of warranty.)

1. Do not touch luminaire while lamp is on. Turn off/unplug and allow to cool before replacing lamp.
2. Lamp gets HOT quickly! Contact only switch/plug when turning on.
3. Do not touch hot lens, body, cap or knuckle.
4. Keep lamp away from materials that may burn.
5. Do not touch lamp at any time. Use a soft cloth. Oil from your skin may damage lamp.
6. Do not operate with damaged or missing parts.
7. Do not disassemble beyond cap removal to facilitate lamp and/or accessory installation or replacement.
8. Remove any debris accumulated in the cap periodically.
9. Do not install within 10 feet of a pool, spa, or fountain.
10. Have installed in accordance with all applicable installation codes and standards by a person familiar with the construction, operation, and hazards involved.
11. Consult a qualified electrician to ensure correct branch circuit conductor.
12. Use only cable rated for low voltage. Cable buried more than 6" must be suitable for direct burial. Direct burial cable may be ordered from Vision3 Lighting.

Installation:

Notes:

- This fixture should not be mounted in such a way that it is buried or in direct contact with the ground or soil.
- This fixture requires a remote transformer or mount option with a compatible integral transformer.
- LED models should only be powered by a magnetic transformer or Vision3 Lighting approved low load electronic transformer. Contact Vision3 Lighting for further information.
- LED models system design should allow an additional 1W per fixture, to reduce system stress during start up.
- (For LED Module option only) LED Module option and module optics are not field replaceable / changeable.
- LED ratings subject to change without notice. See website or contact V3 for most current info.

Caution! Fixture will be hot if lamp is on. Remove power and allow fixture to cool before performing any adjustments or maintenance.

1. Unpack the FL20 MR11 Flood from it's shipping container and inspect.
2. Install fixture by threading the knuckle into the mount hole of an appropriate mount option.
3. Use supplied Lock Nut to secure fixture to mount option.
4. See mount option installation instructions for further installation procedures. For any outdoor or wet location applications, all wire connections must be done in a water tight manner.

Fixture Aiming:

1. Loosen the Vertical Adjustment Screw using a 5/32" hex tool – do not remove screw!
2. Grab fixture Body and push/pull to break grip of tapered knuckle lock.
3. Slightly tighten Vertical Adjustment Screw, using the 5/32" hex tool, so that fixture holds position when released, but still moves when adjusted.
4. Slightly loosen the Horizontal Adjustment Screw (Available on K2 knuckle option only), using the 5/32" hex tool - do not remove screw!
5. Slightly tighten the Horizontal Adjustment Screw (Available on K2 knuckle option only) so that the fixture can be rotated, but still holds position.
6. Adjust fixture to the desired angle. Do not force the fixture past the natural stops built in to the knuckle. Note: Rotate fixture fully in opposite direction if a stop is hit before reaching the desired position.
7. Tighten the adjustment screws using the 5/32" hex tool until the knuckle is locked and the fixture no longer moves. Do not over tighten! Tapered knuckle lock requires very little tightening to ensure fixture is locked in position.
8. Adjust cap so that Drain Hole, if any, is oriented at the lowest point allowable. See 'Cap Removal / Installation' procedure below on how to loosen and tighten cap.

Cap Removal / Installation:

Cap Removal:

1. Remove power from fixture and let cool before touching. **Caution! Fixture may still be hot!**

2. Loosen the Cap Set Screw using a 3/32" hex tool – **do not remove screw!**
3. Remove the Cap. Holding the Body and twisting the Cap while removing reduces the risk of damaging the O-ring.
4. Inspect O-ring for damage. Replace if necessary.

Cap Installation:

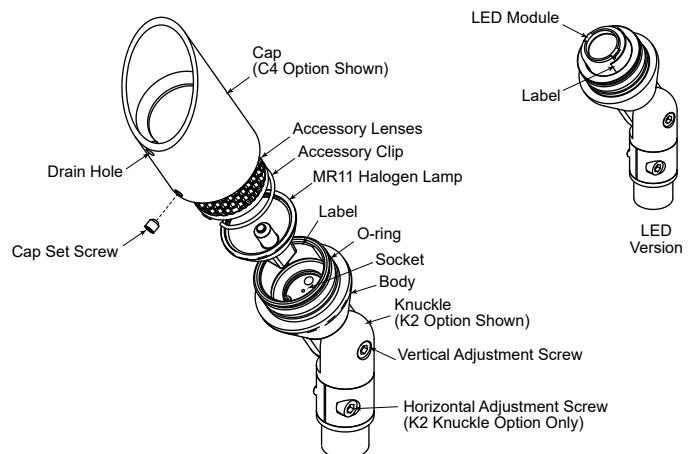
1. Install Cap on fixture by pushing and twisting slowly. If O-ring is excessively dry, use a small amount of Krytox lubricant.
2. Tighten Cap Set Screw with the 3/32" hex tool so that it just bottoms out. **Do not over tighten the Cap Set Screw!** This may cause the fixture to not seal properly.

Accessory Maintenance:

1. Remove Cap as explained in Cap Removal process.
2. Remove Accessory Clip from Cap.
3. Carefully remove Accessories from Cap, if any.
4. Inspect Cap, Accessories, and Clip for damage. Replace if necessary.
5. Clean Cap and Accessories with a clean, damp cotton cloth.
6. Carefully install new Accessories into Cap (Cap may hold up to 2 Accessories).
7. Compress Clip and push into Cap until it holds Accessories tightly in Cap.
8. Install Cap as explained in Cap Installation process.

MR11 Halogen Lamp Maintenance (for certain models):

1. Remove Cap as explained in Cap Removal process.
2. Using a clean cloth, pull lamp straight out. **Caution! Lamp may still be hot! Be sure lamp has cooled before touching.**
3. Inspect Socket for any damage.
4. Clean inside of fixture and Cap with a clean dry cloth.
5. Using a clean cloth, push new lamp straight in, being careful to align pins. Note: Replacement lamp must not exceed ratings of the luminaire. Read the label inside of the luminaire body for appropriate lamp type and ratings.
6. Install Cap as explained in Cap Installation process.



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LED Module Maintenance (for certain models):

LED Module and LED optics are not field replaceable / changeable. Fixture must be returned to factory for LED Module replacement or LED optics changes.

COB LED & Driver Maintenance (for certain models):

Changing Optics:

1. Remove Cap as explained in Cap Removal process.
2. Twist Lens counter-clockwise to unlock and remove.
3. Insert new Lens and twist clockwise to lock.
4. Install Cap as explained in Cap Installation process.

Changing COB Chip:

1. Remove Cap as explained in Cap Removal process.
2. Twist Lens counter-clockwise to unlock and remove.
3. Loosen and remove the two Holder Screws and the Holder. Note: Twist Holder to facilitate COB removal.
4. Note the orientation of the COB. Compress the Holder clip and carefully remove the COB chip.
5. Thoroughly clean the COB Bracket with a lint free towel. Note: Make sure the old Thermal Pad and any residue are removed from the COB Bracket.
6. Place the new COB up against the Holder clip in the same orientation as the removed COB. Ensure that the polarity marks on the Holder match the polarity marks on the COB. Slowly press on the opposite side of COB to compress the Holder clip until the COB drops into the recess. Note: Only touch the edges of the COB as oils and dirt from your skin can damage the diodes.
7. Remove clear plastic film from supplied Thermal Pad, and, using light pressure, apply to back of the new COB chip. Make sure pad is square and fully covers the back of the COB. Remove secondary clear plastic film from the exposed side of the Thermal Pad.
8. Place the Holder on the COB Bracket in the same orientation as it was removed.
9. Install and tighten the two Holder Screws. Do not overtighten.
10. Insert Lens and twist clockwise to lock.
11. Install Cap as explained in Cap Installation process.

Changing Integral Driver:

1. Remove Cap as explained in Cap Removal process.
2. Lightly pull and twist Driver Output Leads (red & blue) until they are removed from the Holder. Note lead position and routing.
3. Slowly pull the Driver from the COB Bracket to remove.
4. Lightly pull and twist Driver Input Leads (black) until they are removed from the Connector. Note lead routing.
5. Route the Driver Input Leads & Driver Output Leads in a similar fashion as the removed driver.
6. Inserting Driver Input leads (black) into Connector, orientation is not important.
7. Place Connector in Body cavity and mount the Driver centered on the COB Bracket in the same orientation as the removed Driver. Replace double-sided tape if needed. Excess wire can be pushed into body cavity.
8. Install Driver Output Leads into the Holder (red to '+' & blue to '-'). Excess wire can be tucked between COB Bracket & Driver.

