

FCD10R Recessed Inground – INSTALLATION INSTRUCTIONS

CAUTION: BEFORE CONNECTING THE LUMINAIRE TO A POWER SUPPLY, MAKE SURE THE POWER IS SWITCHED OFF.

J-BOX RECOMMENDATION: NEMA 6P Rated Box to be provided by others.

GENERAL:

1. Luminaire must be installed by licensed electrician.
2. All electrical connections must be in accordance with local codes, ordinances, or the National Electrical Code.
3. Before starting the installation, make sure all electricity has been turned off and electrical breaker has been locked out and tagged out.
4. To ensure the success of the installation, be sure to read these instructions and review the diagrams thoroughly before beginning.

NOTE: The important safeguards and instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

INSTALLATION INSTRUCTIONS:

- 1) Prior to install, remove the luminaire from the well housing by firmly pressing upwards on the luminaire.
- 2) Determine whether the luminaire is to be daisy-chained or standalone. Remove the knockouts on the well housing as needed. **FIGURE 2.**
- 3) Install 1-1/2" Conduit adapters (by others) to the well housing prior to burial.
- 4) Make sure proper drainage is arranged to avoid accumulation of water. French Drain recommended for clay-type soil. If installed upon a concrete pad, a drainage pipe must be added. **FIGURE 3.**
 - a. **NOTE: IF DIGGING INTO EXISTING CONSTRUCTION, CLEAR AT LEAST A 15" DIAMETER HOLE.**
 - b. The well housing has four stake-holes around its perimeter. Use ground stakes or concrete screws (by others) as necessary.



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DETAILED ILLUSTRATION

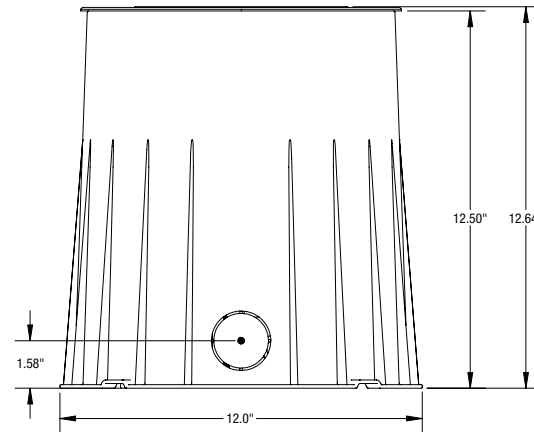


FIG-1

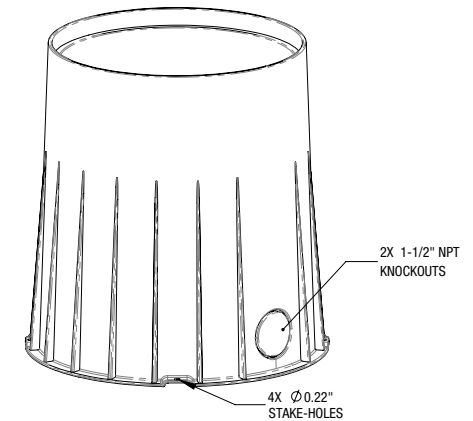


FIG-2

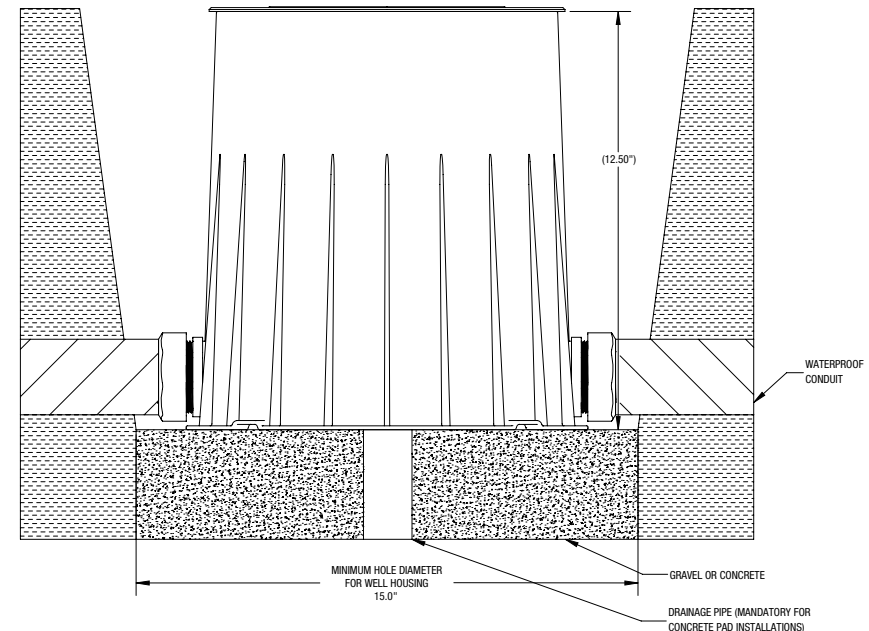


FIG-3

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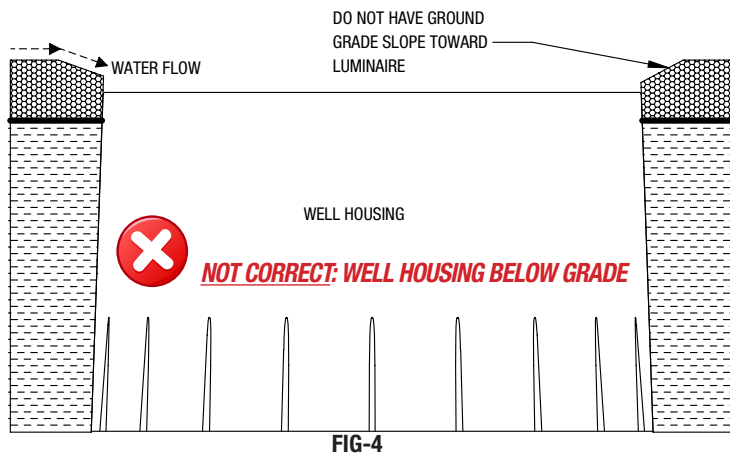
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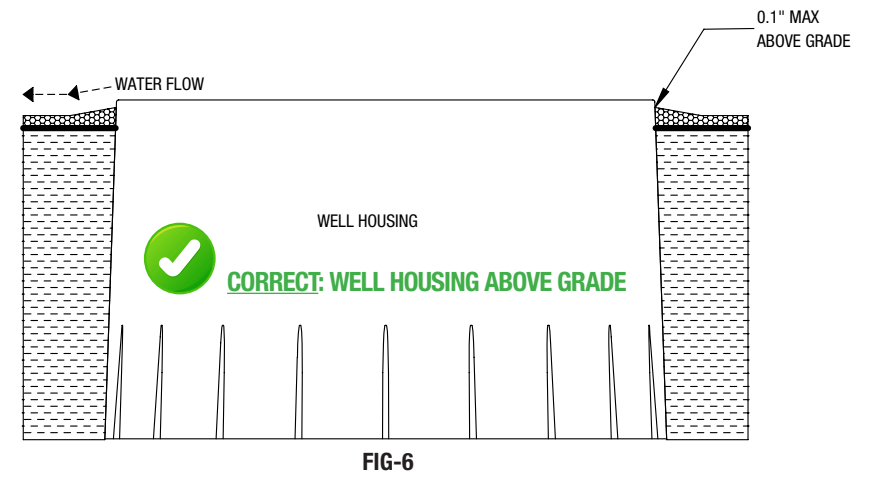
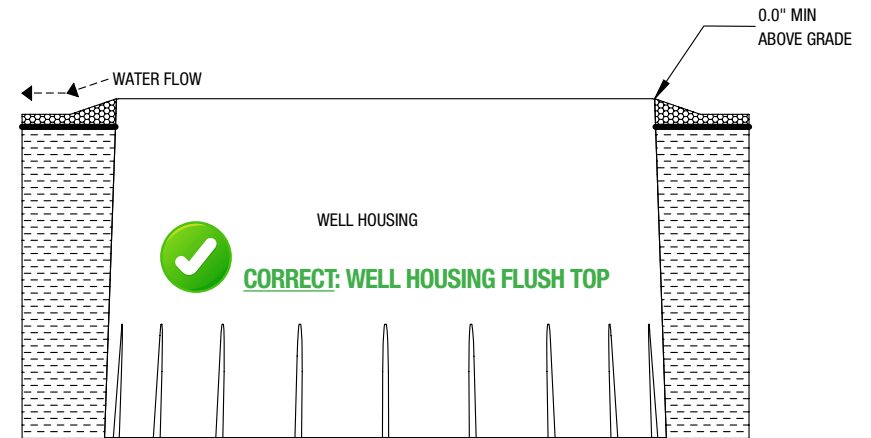
- 5) Reference **FIGURE 4** (below) for improper grade filling guidelines.
- 6) Reference **FIGURE 5 and 6** (to the right) for proper grade filling guidelines.
 - a. **WARNING:** IMPROPER INSTALL WILL RESULT IN VOIDED WARRANTY.



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INSTALLATION INSTRUCTIONS:

- 7) Locate the wiring box and remove the top cover using a 1/8" hex tool to gain access to the wiring compartment. **FIGURE 7.**
 - a. **WARNING:** GASKET IN TOP COVER MAY COME LOOSE DURING REMOVAL. DO NOT MISPLACE GASKET.
- 8) Remove the two watertight strain reliefs from the box.
- 9) Remove one of the plugs from the box using a 1" wrench.
 - a. **NOTE:** IF DAISY-CHAINING LUMINAIRES, REMOVE BOTH PLUGS.
- 10) Replace the missing plug(s) with the watertight strain relief. Tighten the wrenching flat to 40 IN-LBS. **FIGURE 8.**



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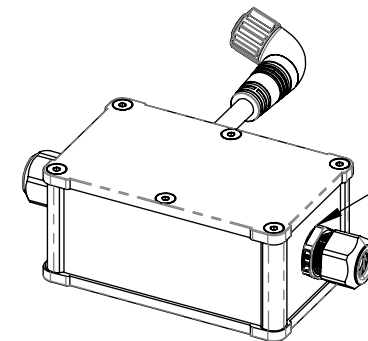
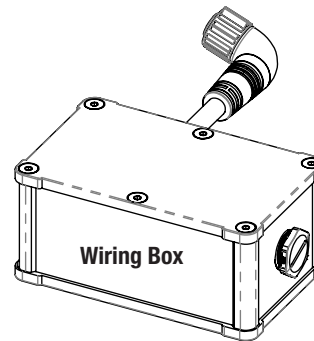


FIG-7

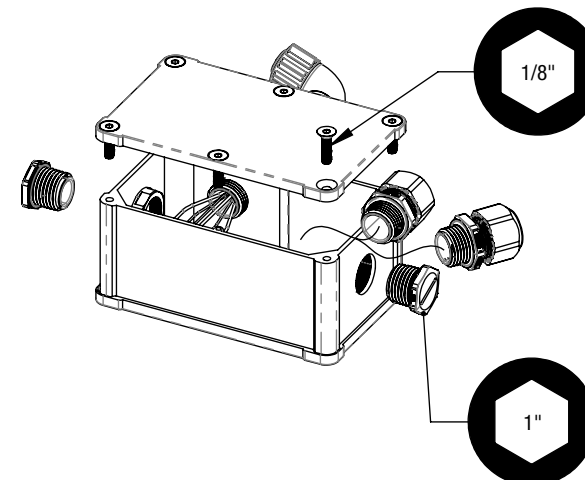


FIG-8

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INSTALLATION INSTRUCTIONS:

- 11) Place the wiring box within the well housing, with the power cable facing outward. Feed the incoming and outgoing cables into the strain reliefs. Tighten the strain relief sealing nut to 55 IN-LBS. **FIGURE 9 and 10.**
 - a. **NOTE:** POWER CABLE AVAILABLE SEPERATELY.
- 12) Using the provided silicone wire nuts, follow the wiring diagram.

FIGURE 11 and 12.

White – Neutral
 Black – Line
 Green – Ground
 Purple – Dim+*
 Pink – Dim-*

*Only used in 0-10V dimming applications. If luminaire is using ELV dimming, terminate both leads using silicone wire nuts.
- 13) Seal the wiring box by replacing the top lid and tighten sealing screws to 20 IN-LBS per screw. **FIGURE 10.**



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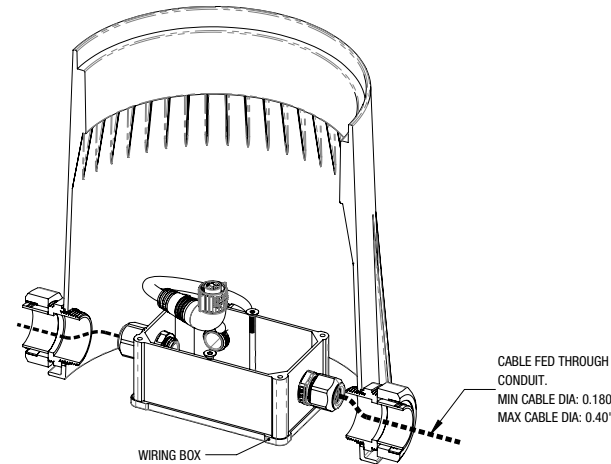


FIG-9

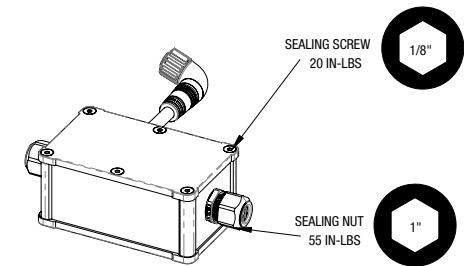


FIG-10

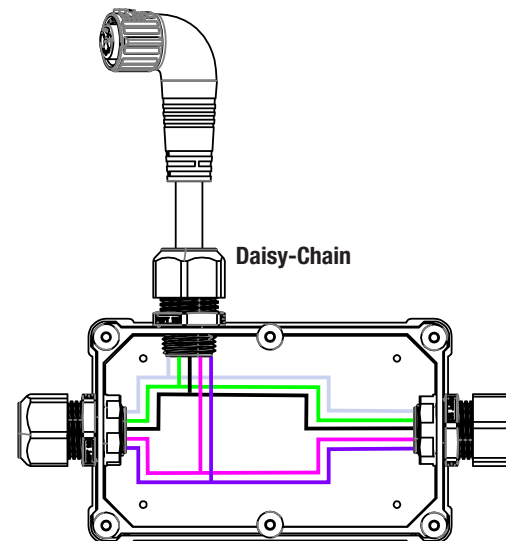


FIG-11

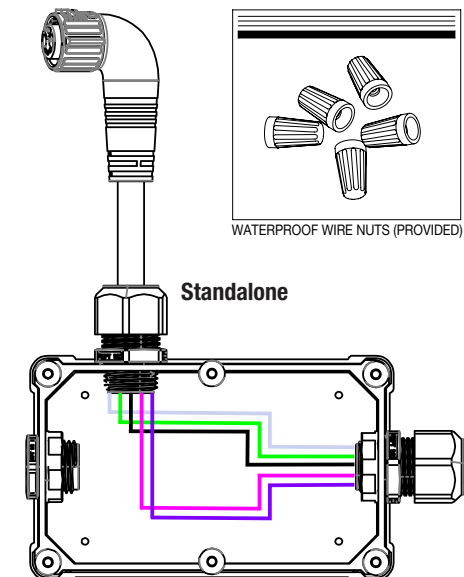


FIG-12

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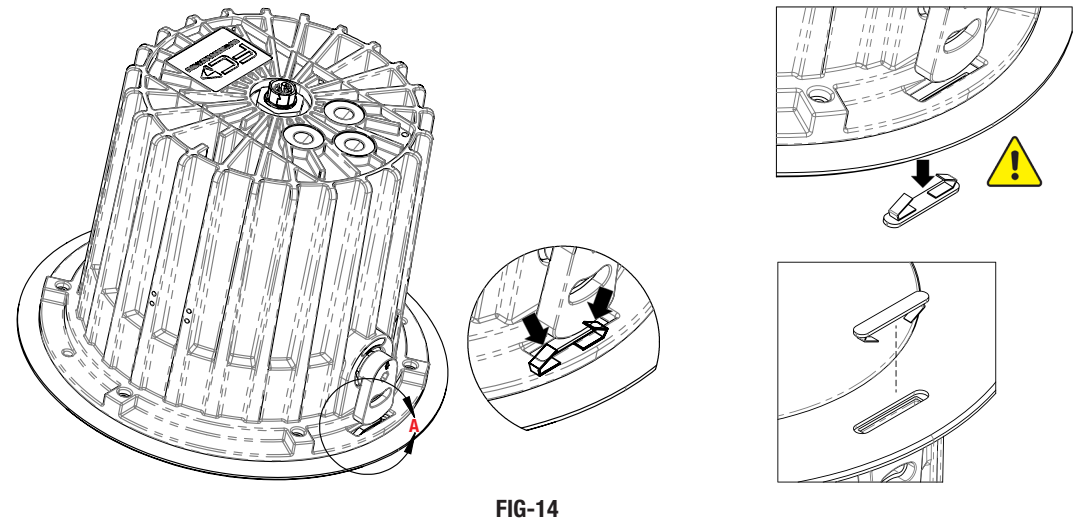
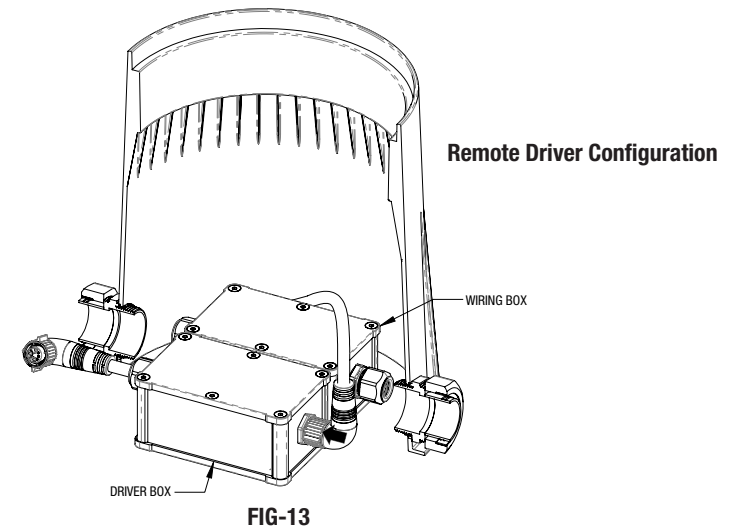
- 14) If the luminaire came with a Driver Box, place the Driver Box inside the well housing alongside the Wiring Box. Connect the Wiring Box directly to the Driver Box as seen in the diagram. **FIGURE 13.**
- 15) Locate the loose luminaire and check the underside for the cosmetic plug. Firmly press down on the two protruding tabs to release it. **FIGURE 14.**
 - a. **NOTE:** STEPS 15 THROUGH 17 CAN BE SKIPPED IF INSTALLER DOES NOT WISH TO ADJUST THE BEAM DIRECTION.



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INSTALLATION INSTRUCTIONS:

- 16) The beam direction can be adjusted from 0 to 20 degrees in either direction by adjusting the gimbal with a small screwdriver. **FIGURE 15 and 16.**
- 17) The cosmetic plug can be reattached at this point, but it is recommended to wait post-install for fine tuning.
- 18) Connect the luminaire to the circuit as seen in **FIGURE 17 and 18.**
Connect the power cable to the luminaire.
 - a. **WARNING:** IF USING REMOTE DRIVER LUMINAIRE, DO NOT PLUG WIRING BOX DIRECTLY INTO LUMINAIRE. WARRANTY WILL BE VOIDED. MUST CONNECT WIRING BOX TO DRIVER BOX AND THEN DRIVER BOX TO LUMINAIRE.
- 19) Firmly press down on luminaire to install into well housing. Make any gimbal adjustments as necessary. If cosmetic plug is still missing, reinstall it.



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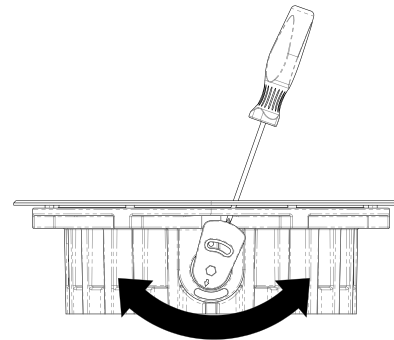


FIG-15

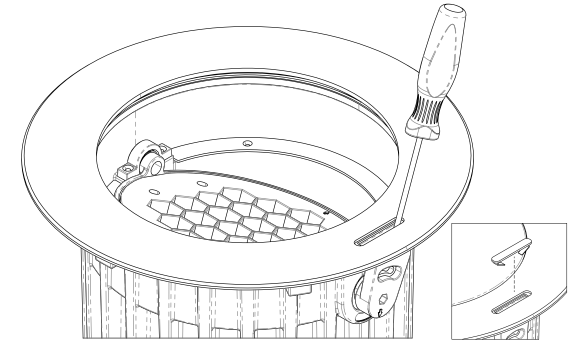


FIG-16

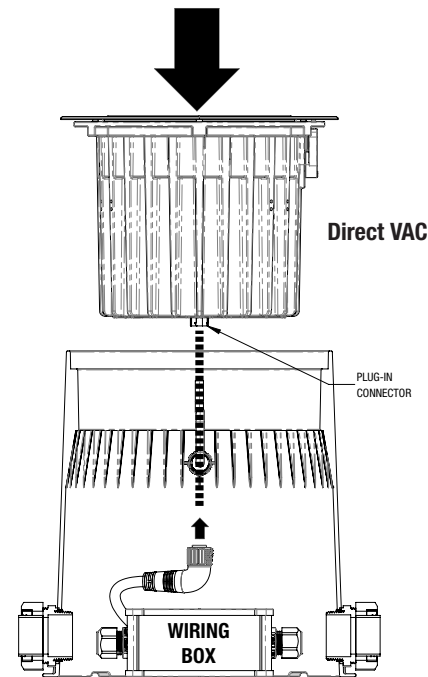


FIG-17

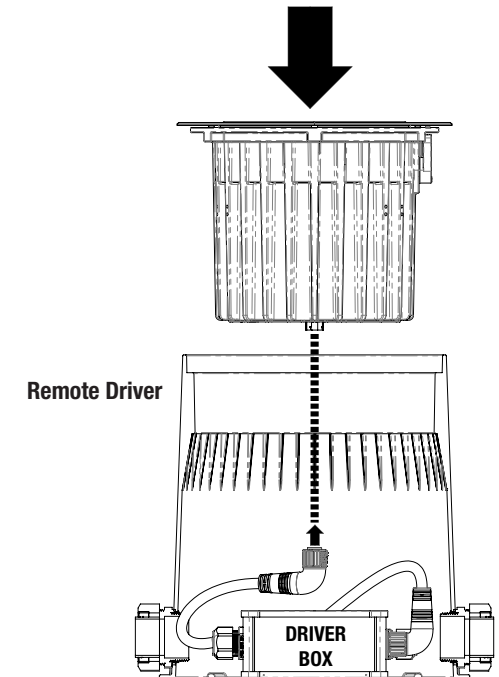


FIG-18