

## FCD23 (Concrete Pour & Wiring) - INSTALLATION INSTRUCTIONS

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

### GENERAL:

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

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

**NOTE:** Transformer (Not Included) is supplied by others. Requires 12VAC, recommended 60W maximum. Minimum transformer load requirement needs to match minimum fixture run, which is 1.7W per fixture. Recommended: GE66938-LET60W12V. Voltage drop must be calculated for application and will depend on wire gauge, distance and transformer function.

**NOTE:** A French drain is required for landscaping and paver applications: Improperly installed fixtures will void warranty.

### INSTALL FOR CONCRETE POUR:

**IMPORTANT:** Concrete installation is required for drive over applications.

Improper installation will void warranty.

- 1) Make sure proper drainage is arranged to avoid accumulation of water around the fixture. French Drain recommended in clay type soil. Add several inches of stone at the bottom of the Well Housing, as illustrated.
- 2) Remove Well Housing by sliding it off. Make sure gasket stays on fixture.
- 3) Mount and fix the Well Housing in the ground, make sure the installation height is within 2 cm above grade.
- 4) After concrete is in place, level the Well Housing so it is flush with the pavement surface.
- 5) Connect the wires at the box (provided separately) and seal connections with silicone wire nuts. (fixture is provided with 3' cord)
- 6) Insert the fixture into the Well Housing, adding a bead of silicone where the edge of the fixture contacts the Well.

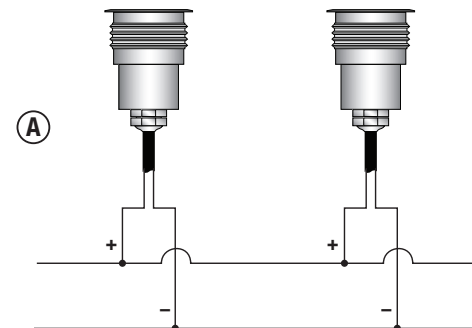
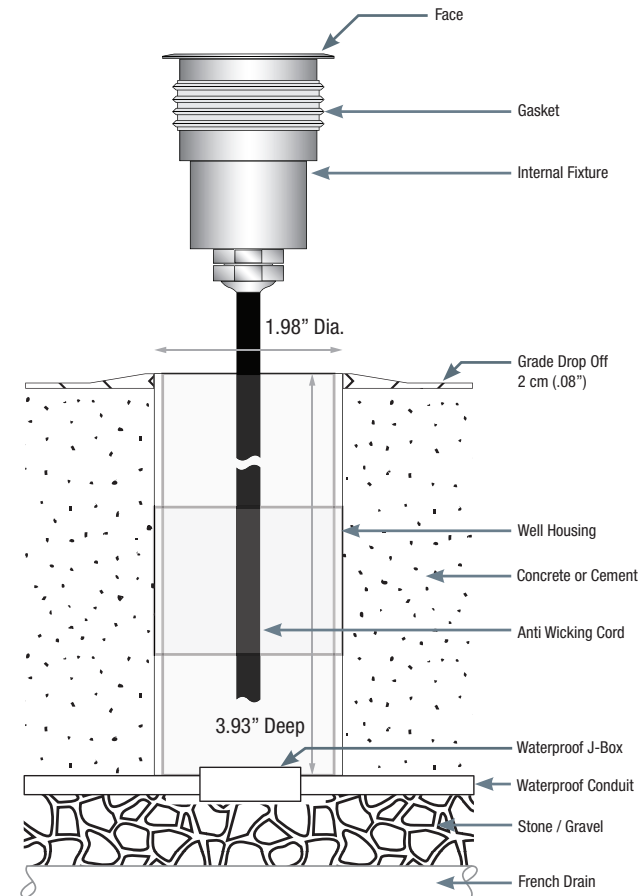
**WIRING:** Each fixture has an integral driver, so you'll only need to calculate what size stepdown transformer is needed.

- 1) Add up the number of Watts in a single run to determine size of transformer.
- 2) Input to fixture can be 12V AC only.

**IMPORTANT:** See wiring diagram Fig. A. (+/- indicated AC wiring)

THIS DOCUMENT IS THE PROPRIETARY PROPERTY OF FC LIGHTING, INC. ANY UNAUTHORIZED TRANSFER, USE OR REPRODUCTION IS STRICTLY PROHIBITED.

### DETAILED ILLUSTRATION



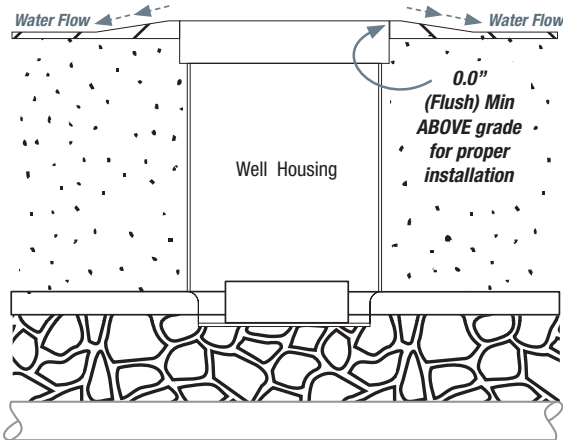
**FCD23** (Concrete Pour & Wiring) - **INSTALLATION INSTRUCTIONS**

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

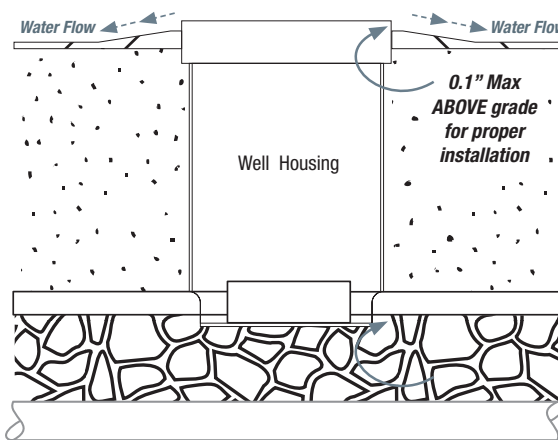
**SIDE VIEWS:**



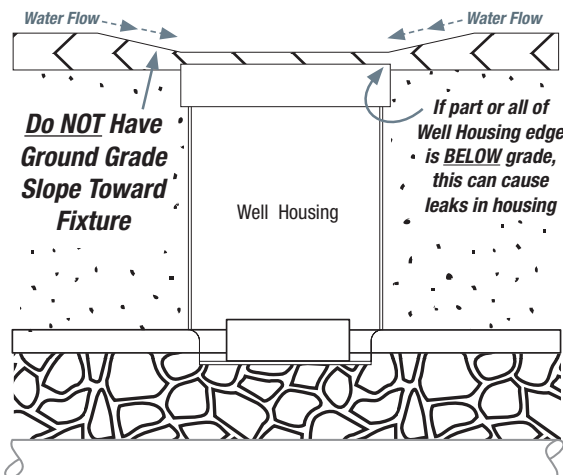
**CORRECT: WELL HOUSING FLUSH TOP**



**CORRECT: WELL HOUSING ABOVE GRADE**



**NOT CORRECT: WELL HOUSING BELOW GRADE**



**TOP VIEW:**



**SURROUNDING GRADE MUST DROP-OFF WITHIN 12" OF FIXTURE**

**CHECK ALL AROUND WELL HOUSING FOR ABOVE GRADE AND DRAINAGE AWAY FROM FIXTURE**

