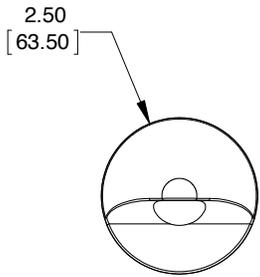


# INSTALL NOTES: PO WALL LIGHT

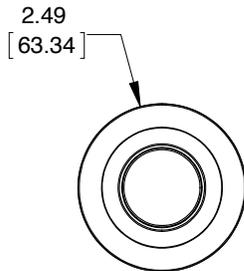
We have developed this series of field installation guidelines to assist you in correctly installing fixtures and transformers, ensuring customer satisfaction and trouble-free service. If you have any questions, please call your local distributor or the FX TechLine at 800-733-2823 before proceeding. Follow all NEC guidelines and local electrical codes. For more information, visit: [fxl.com](http://fxl.com)

## TYPICAL INSTALLATION:

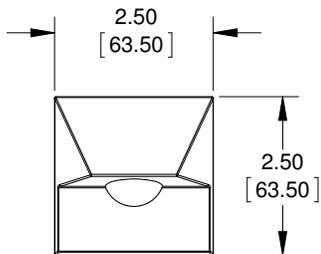
### PO-RD:



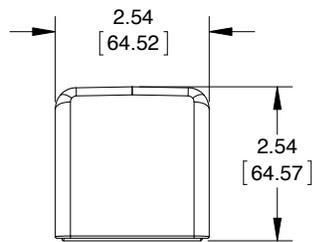
### PO-ST:



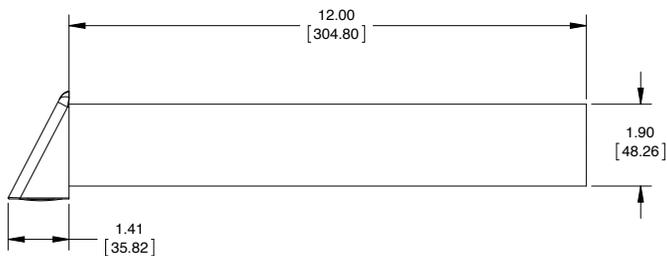
### PO-SQ:



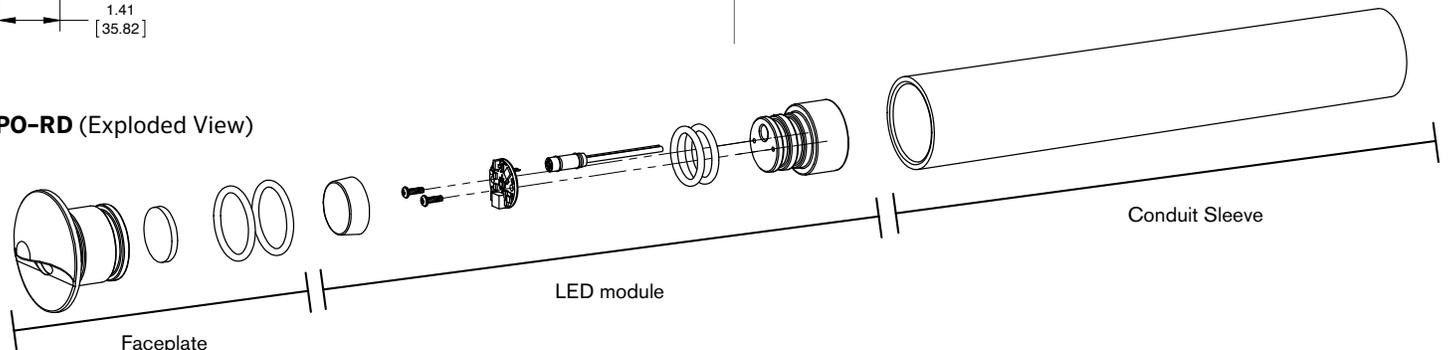
### PO-WW:



### PO-WW (Side View)



### PO-RD (Exploded View)



## INSTALLATION GUIDELINES:

The PO is a faceplate adjustable LED Wall Light. Composed of three pieces, each must be installed into every installation in order for the fixture to function properly. These faceplates are intended to be installed vertically:

- RD & SQ** - Down light only, mounted on a vertical surface.
- ST & WW** - Mounted in any orientation on a vertical surface only.

A 1½" schedule 40 conduit is included in a length of 12 inches. This conduit can be cut to length, but must always fully capture the fixture base.

The PO LED Module is installed into the faceplate which is then pressed into the installed conduit. The module and faceplate must be fully pressed together to maintain proper seal. When assembled fixture is installed into conduit the faceplate should be pressed as flush as possible to the mounting surface.

If a FX LED filter is desired, it is installed onto the module first, and then pressed as an assembly into the faceplate. Only one filter can be used at a time.

### DO NOT EXCEED 15 VOLTS IN THIS FIXTURE

The LEDs in this product function ideally when the incoming voltage is between 10–15 volts. Voltages outside of this range may damage the LEDs, shorten their life, and cause unsatisfactory performance. **The use of improper voltage voids the product warranty. Only use a UL 1838 approved power supply.**

The LED board in this product is designed to offer years of use without replacement. Should you have a need to replace the LED board, please contact your local FX distributor for a board replacement and the necessary instructions.

**CAUTION: RISK OF FIRE WARNING: DO NOT USE FX FIXTURES WITH ANY STYLE OF TRANSFORMER THAT EXCEEDS 15 VOLTS ON THE SECONDARY.**

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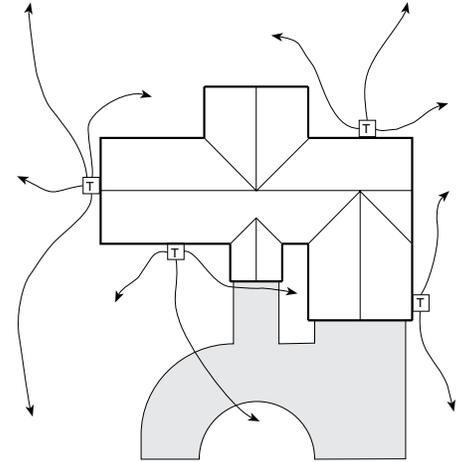
## TRANSFORMERS

### Single Transformer

When using only one transformer, it is very important to center the transformer on the wattage load. If the project calls for 135 watts in both front and back yard, the transformer should be centered on the side of the house that will receive the most lighting. A common mistake is to locate the single transformer on the service side of the house or in the garage, which might result in excessively long cable runs to reach lighted areas. The primary goal in laying out low voltage systems is to minimize cable runs because of voltage drop.

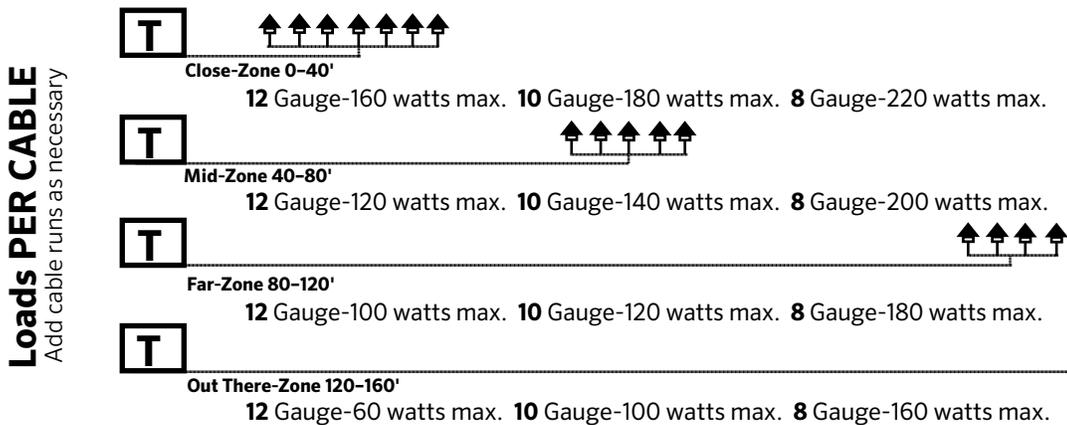
### Multiple Transformers

A common mistake in laying out multiple transformer circuits is to group several transformers in one location because of utility or visual considerations only. As with any low voltage layout, the prime directive should be to locate the transformers as close to the fixtures as possible in order to minimize cable runs. The other multi-transformer layout consideration is “use zoning”. Having several transformers allows the client to selectively control light in separate areas. This approach is similar to irrigation design in that the goal is to individually control areas that have similar needs. In lighting, a recreation area has different lighting needs than does a front entry. Therefore, the lights that serve these different lighting use areas need to be on separate transformers and switch controls.



Sample diagram of home with transformer and lamp placement

## CIRCUITING GUIDELINES



## LED LIFE

- For maximum light output, tune lighting circuits to provide between 10 and 15 volts as measured at lamp terminals when all of the lamps on the circuit are operating.
- Voltage can be regulated by adjusting circuit load/run.
- To determine circuit voltage, use a digital voltmeter.