

Linear Accent Series

Installation instructions for FSL-3, FSL-4 and FSL-6 lighting systems

WARNING: These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with the owners manual, current electrical codes and/or the current National Electric Code (NEC).

IMPORTANT

The following instructions are provided to assure safe installation and operation of the Linear Accent Series. Please read carefully before connecting or installing Linear Accent Series Kits.

Note: Linear Accent Series is c/UL listed for indoor and protected outdoor locations.

1. Do not mount or support the Linear Accent Series in a manner that can cut the outer jacket or damage wire insulation.
2. Always make sure power is disconnected from the Linear Accent Series before cutting, mounting, attaching terminal block, attaching end cap, or modifying in any way.
3. Make sure there is 1/2" clearance on the side of the strip and at least 1 1/2" clearance above the festoon bulbs.
4. Do not exceed the maximum wattage of the transformer that is provided.

IMPORTANT SAFETY INSTRUCTIONS

1. The Linear Accent Series must be used with a 12volt or 24volt transformer from American Lighting to ensure safety and retain product warranty.
2. The maximum run specific to the voltage, socket spacing & wattage per lamp must not be exceeded! See chart below for maximum single run distance.

Maximum Single Run Distance

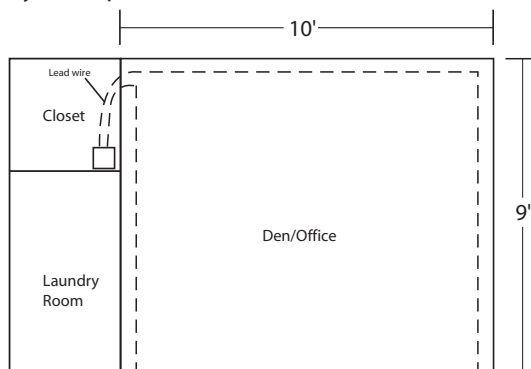
5 watt	3"	4"	6"
10 watt	12 foot	16 foot	24 foot
12V	6 foot	8 foot	12 foot
24V	24 foot	32 foot	48 foot
	12 foot	16 foot	24 foot

240 watts maximum for 12V run. 480 watts maximum for 24V run.

3. The maximum wattage capacity for the total load on the low voltage transformer must not be exceeded! Add up the wattage for each run to be attached to the transformer and check that it equals no more than 100% of the transformer's capacity.

DESIGNING LINEAR ACCENT SERIES SYSTEM AND LAYOUT

1. Determine total distance your application will require via site measurement or accurate floor plans.
2. Determine voltage, lamps spacing and lamp wattage to be used for your application. Note: For long distances, a 24volt system will maximize single run distances.
3. Locate desired position of transformer relative to Linear Accent Series runs. Note: In order to avoid voltage drop, do not locate the transformer more than 25 feet (for magnetic) or 10 feet (for electronic) from the last light bulb in the run, including any lead wire that may be required as well as vertical distance involved.



FSL-3 with 24-volt, 5 watt lamps equals 20 watts per foot and a maximum single run distance of 24 feet. The two runs shown (at left) are 9 feet and 19 feet. This means that the transformers should not be located farther than 5 feet away from the beginning of the 19 foot run in order to avoid voltage drop. It also means the correct transformer to use is a 24-volt version with a capacity of 560 watts or more: TR-600-24.



Linear Accent Series

Installation instructions for FSL-3, FSL-4 and FSL-6 lighting systems

CUTTING LINEAR ACCENT SERIES

1. Always make sure Linear Accent Series is disconnected from power source before cutting.
2. Utilizing a good pair of shears, cut the Linear Accent series between appropriate bulb sockets. For maximum flexibility, cut should be made 3/16" opposite last bulb socket or run. This will allow at least 9-/16" to attach terminal block connector for power on next run/project.

MOUNTING LINEAR ACCENT SERIES

1. Always make sure power is disconnected before modifying, mounting, or installing a section of Linear Accent Series.
2. Do not mount Linear Accent Series in a situation that does not have at least 1/2" clearance on the side of the fixture, and 1 1/2" clearance above the lamp. Make sure area is well ventilated to dissipate bulb heat.
3. In situations where Linear Accent Series is continually mounted with lamps facing down, we suggest affixing with mounting track (FSL-TRK-3 sold separately) or mounting screws (included).

INSTALLING BULBS

1. Disconnect power from the transformer.
2. Check that the filament of festoon bulb is in operable condition. Push individual festoon lamps into open connections of each socket.

POWERING LINEAR ACCENT SERIES

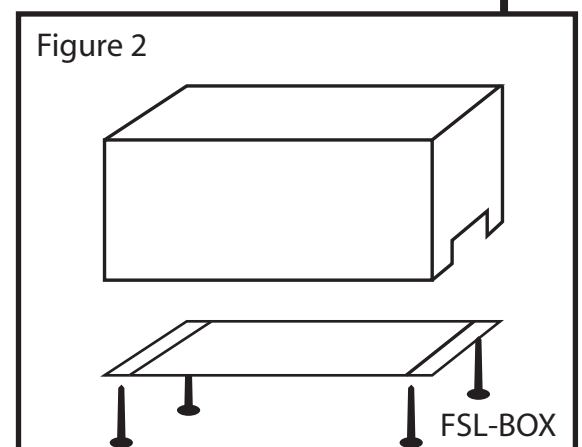
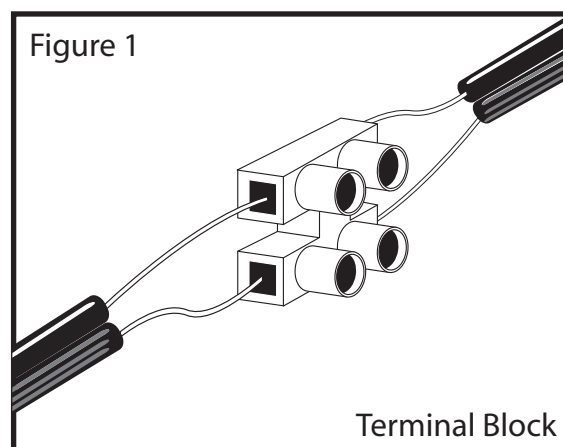
Warning! Always make sure power to transformer is disconnected before attaching Linear Accent Series to output side of transformer. Do not connect power to primary side of transformer without a load attached to secondary side. This can damage the transformer's coil.

1. Be sure to terminate each single run with an end cap (FSL-END sold separately) to maintain c/UL listing and ensure safety.
2. Using UL listed wire nuts and UL Listed clamps suitable for the size and type of knockouts and following the instructions included with transformer, attach each single run to the transformer.

Attaching Lead Wire

Note: If lead wire is required to bring power to the beginning of a run, an approved terminal block (FSL-BLK, sold separately) and strain relief junction box (FSL-BOX, sold separately) must be used.

3. Determine length of lead wire (FSL-CABLE, sold separately or UL Listed 12-gauge stranded wire or better) needed to reach beginning of run from transformer location.
4. Strip back 1/2" of insulation from ends of both lead wire and the beginning of run.
5. Using a small screwdriver, secure the conductors to the terminal block. See Figure 1.
6. Enclose the terminal block with strain relief junction box by tightening four screws on the bottom cover plate. See Figure 2.
7. Have a qualified electrician attach transformer to 120-volt power supply.



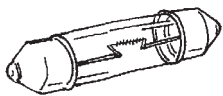
Linear Accent Series

Installation instructions for FSL-3, FSL-4 and FSL-6 lighting systems

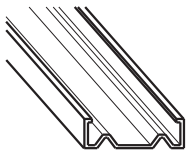
DIMMING LINEAR ACCENT SERIES

Linear Accent Series can be dimmed with a standard incandescent dimmer unless the total wattage exceeds 600. In any case, make sure that the total combined load of the attached lighting system does not exceed the capacity of the dimmer! Low voltage dimmers are not necessary.

ACCESSORIES



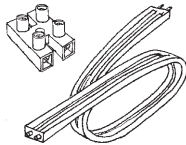
FSLK-BU
(2) Xenon Replacement Bulbs
20,000 hour lamp life



FSL-TRK-3
3' White mounting track
Makes installation an ease



FSLK-CV
(6) clear prismatic lens covers
CAUTION: Use only with 5 watt bulb



FSLK-EX
3' Extension Kit includes 12G wire and 2 terminal blocks

