SCELV1000 (ELECTRONIC LOW VOLTAGE) & SCLINE1000 (TRIAC) DIMMING LUMINAIRE CONTROLLER RETROFIT KIT INSTALLATION INSTRUCTIONS-CCEA

OPERATING VOLTAGE: 120/277 VAC
MAXIMUM AMPERE DRAW: 5.0 AMPS
MAXIMUM POWER: 600 WATTS

Wiring must comply with all applicable electrical codes. Turn off power before removing or installing controller.

WARNING: THIS IS A CURRENT RATED DEVICE. USE IN APPLICATIONS INVOLVING AMPERAGE BEYOND ITS RATING CAN BE DANGEROUS AND CAUSE ELECTRICAL FIRES.

WARNING: RISK OF FIRE OR ELECTRICAL SHOCK. CONVERSION KIT INSTALLATION REQUIRES KNOWLEDGE OF FLUORESCENT AND LED LIGHTING LUMINAIRES ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.

WARNING: ONLY THOSE OPEN HOLES INDICATED IN THE PHOTOGRAPHS AND/OR DRAWINGS MAY BE MADE OR ALTERED AS A RESULT OF KIT INSTALLATION. DO NOT LEAVE ANY OTHER OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS.

WARNING: TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.
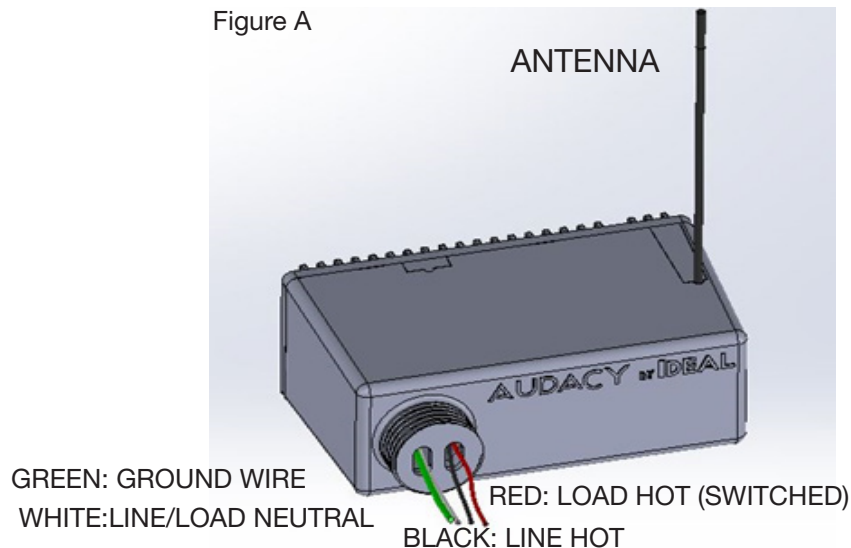
WARNING: RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN THE LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE DRAWINGS AND WHERE THE INPUT RATING OF THE RETROFIT KIT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.

THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

LIST OF MATERIALS:
1. SCLEV1000 or SCLINE1000 Luminaire Controller
2. Installation Instructions

Figure A

ANTENNA

GREEN: GROUND WIRE
WHITE:LINE/LOAD NEUTRAL
RED: LOAD HOT (SWITCHED)
BLACK: LINE HOT

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WIRING REFERENCE:

LINE HOT (BLACK): Incoming power feed from premise wiring
LOAD HOT (RED): Power output from ELV Dimming Controller to AC power input on Driver/Ballast/ELV load
**NEUTRAL (WHITE):** Power feed and power output neutral connection
GROUND (GREEN): AC Ground connections

RETROFIT INSTALLATION

1. Locate and remove a ½" knockout in fixture or junction box that will allow for sufficient clearance and vertical antenna orientation while minimizing metallic obstruction near the antenna. Figure B is an example using a CFL ballast (or LED driver) and its adjoining wiring enclosure. The SCELV1000/SCLINE1000 can be mounted in any electrical enclosure with a ½" KO available.
2. Feed wires through the knock-out opening and secure Luminaire Dimming Controller to junction box or fixture with lock nut.
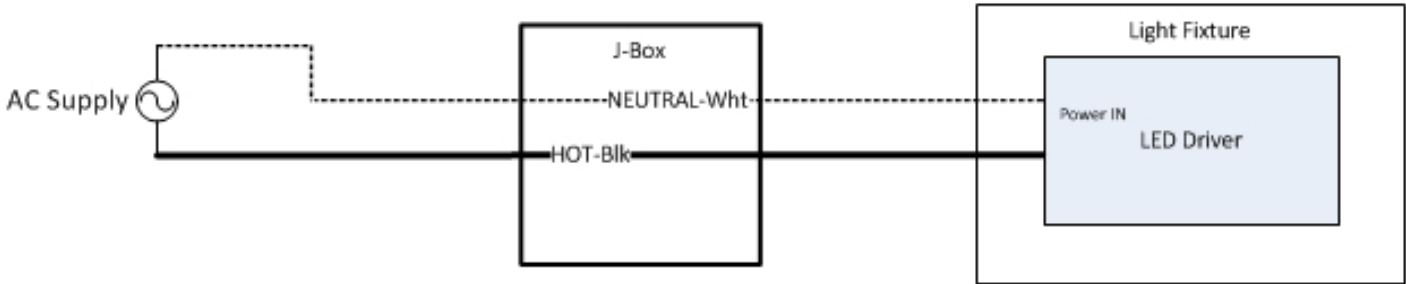3. If necessary, bend the antenna near the base to ensure it is in a vertical orientation. See Figure B.
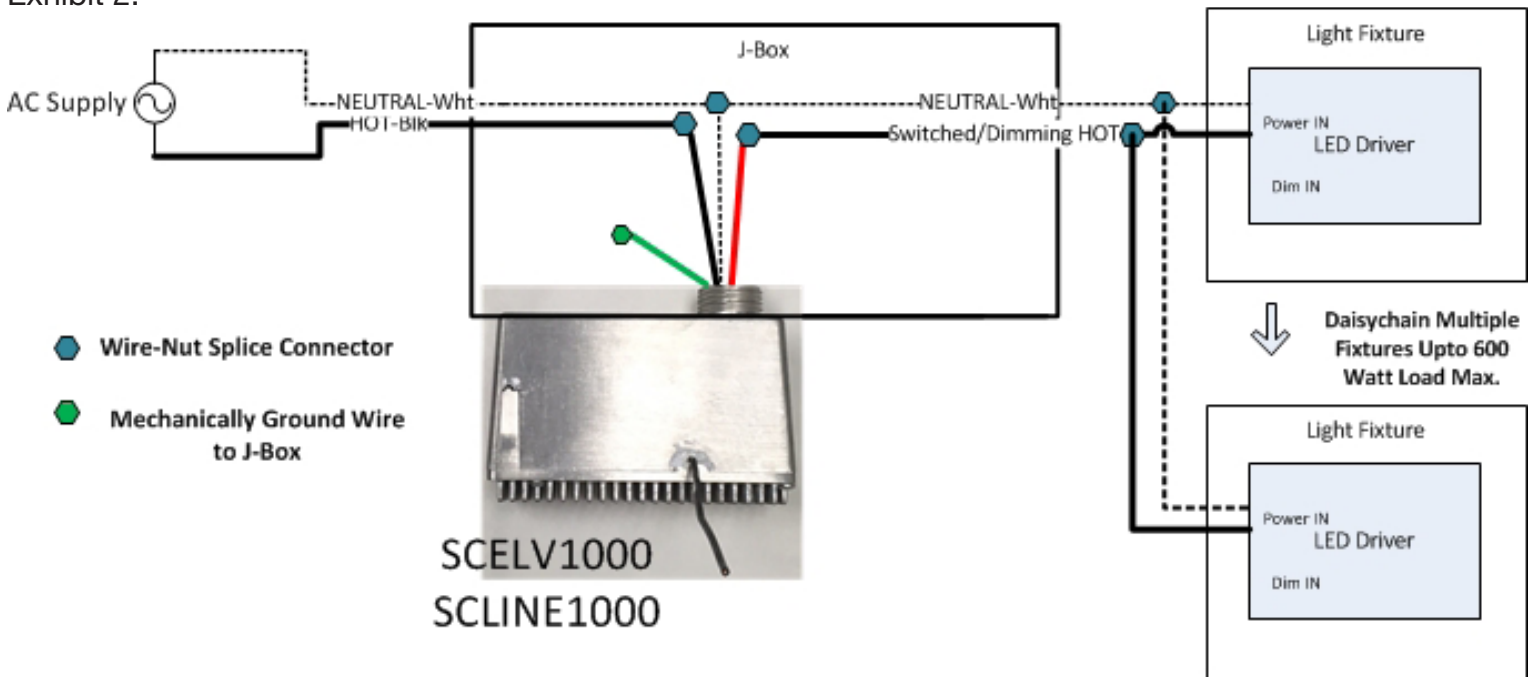
Figure B

ANTENNA MUST POINT UP (CAN BE BENT TO DO SO)

BALLAST OR LED DRIVER
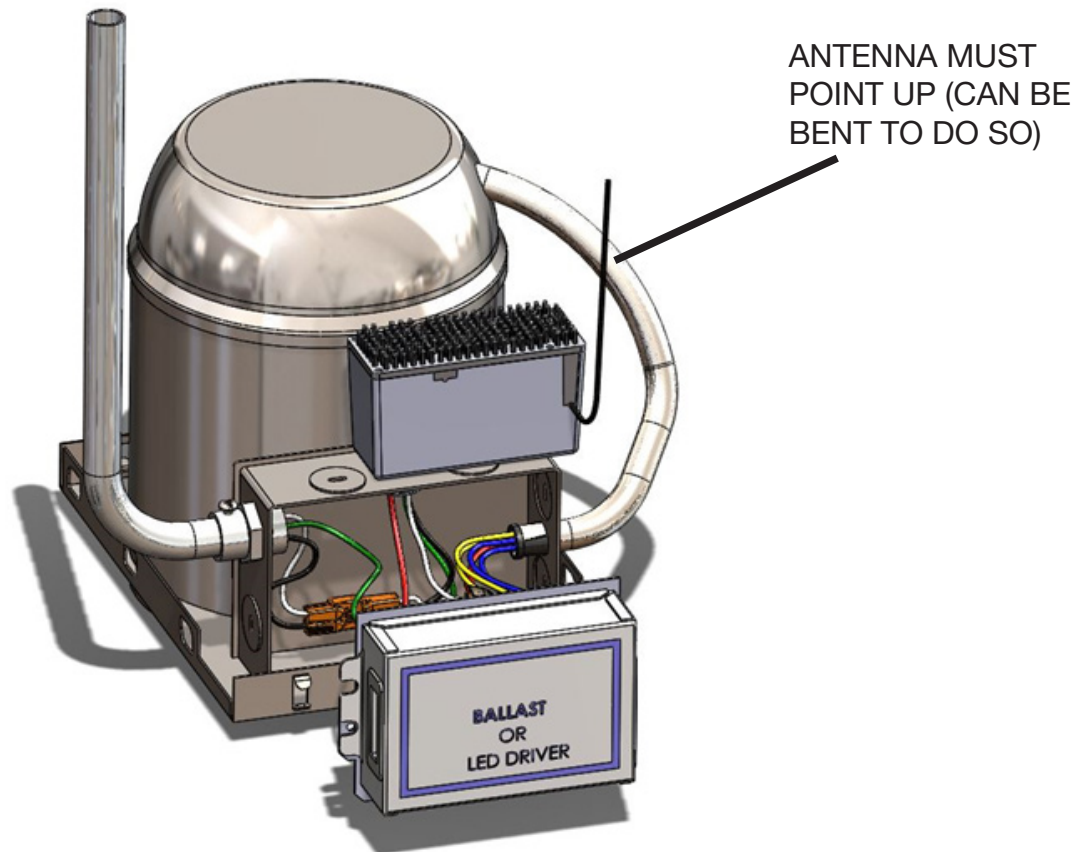
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WIRING DIAGRAMS:

FIXTURE BEFORE RETROFIT:

Exhibit 1:

FIXTURE CONFIGURATION AFTER RETROFIT:

Exhibit 2:

- 🔵 Wire-Nut Splice Connector
- 🟢 Mechanically Ground Wire to J-Box

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CONNECTING THE WIRES

1. Attach the black conductor of the Luminaire Dimming Controller to the line voltage using a splicing wire connector. If a ballast disconnect is required per the local jurisdiction then install as required.
2. Splice the white conductor of the Luminaire Dimming Controller to LINE neutral and to the neutral wire of the ballast or driver using a splicing wire connector. See Figure C.
3. Connect the red LOAD hot switched wire to the hot wire of the ballast or driver. See Figure C.
4. Connect the green Grounding conductor to Ground. See Figure C.

Figure C

SPLICE NEUTRAL WIRE

BALLAST OR LED DRIVER
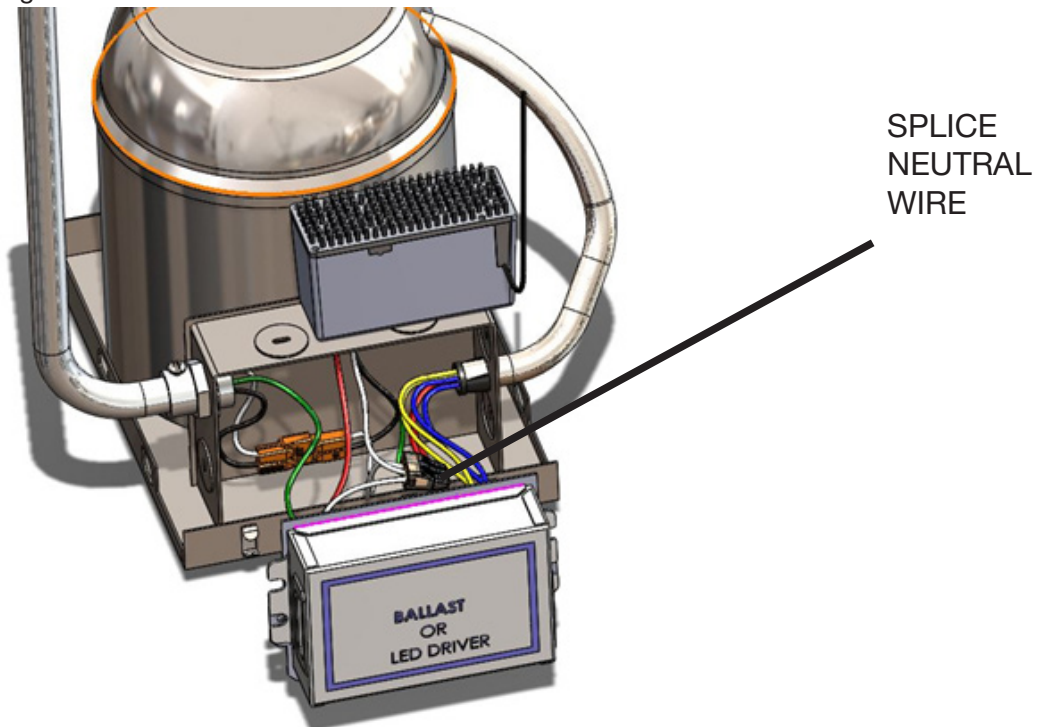
SERIAL NUMBER TRACKING

1. Remove the 2 tear-away stickers that contain the serial number of the Luminaire Controller. See Figure D.
2. Apply these to a drawing of the space containing the fixture or a tracking sheet to identify the serial number and its location in the room.
3. If these tear away labels are missing, please write down the serial number of the Luminaire Controller in a safe place.
4. These serial numbers are required in order to have a complete Audacy operating system.

Figure D

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