

SCL1000 (INCLUDING CCEA CHICAGO PLENUM) LUMINAIRE FIXTURE RETROFIT INSTALLATION INSTRUCTIONS

**OPERATING VOLTAGE: 120-277 VAC & 5.0 AMPS MAXIMUM 50/60 HZ
FOR ELECTRONIC BALLASTS AND LED DRIVERS ONLY**

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. Luminaires wiring, ballasts, or other electrical parts may be damaged when drilling for installation of conversion retrofit kit hardware. Check for enclosed wiring and components.

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.

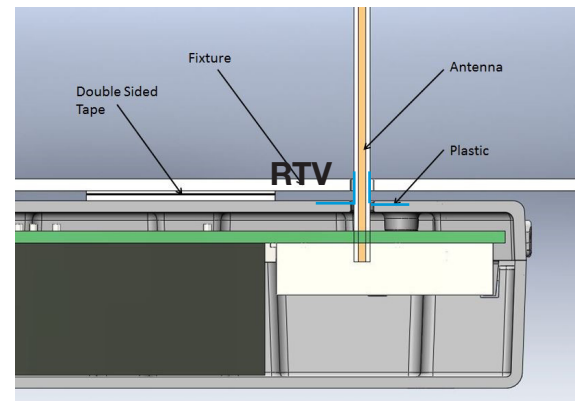
WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

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

RETROFIT INSTALLATION OF LUMINAIRE CONTROLLER TO A CCEA “CHICAGO PLENUM” LUMINAIRE FIXTURE – ADDED REQUIREMENT

Specific Requirements for CCEA “Chicago Plenum” Luminaire Fixtures:

A. All holes open to the environmental air space shall be sealed using an RTV sealant that is provided with this kit. After the wiring of the SCL1000 Luminaire Controller has been completed per instructions below, and the .125” diameter hole is drilled through the fixture top, apply the RTV material to the base of the antenna wire. Remove the backing of the double-sided tape and press the Luminaire Controller firmly in place against the top of the luminaire fixture.

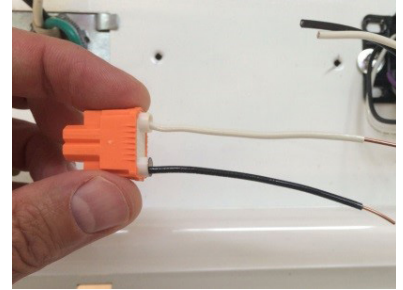
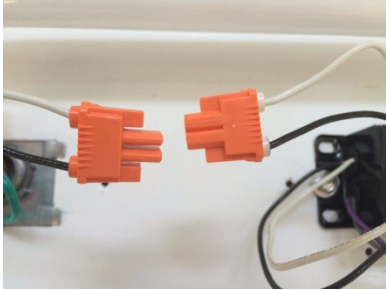


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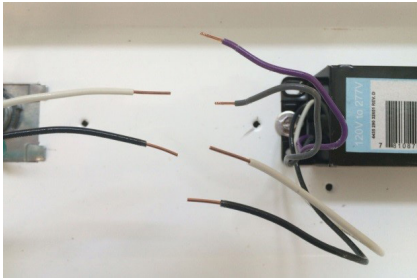
RETROFIT INSTALLATION OF LUMINAIRE CONTROLLER TO A TYPICAL LUMINAIRE FIXTURE:

The SCL1000 Luminaire Controller will be placed in between the input power coming to the fixture and load wires going to the ballast or LED driver. If there is a ballast disconnect in the fixture, then the load side mating half can be saved for later use. If there is no ballast disconnect in the fixture, then the SCL1000 will provide the disconnecting means.

1. Disconnect the power going to the fixture.
2. Remove the lamps from the fixture.
3. Remove the ballast or LED driver cover.
4. Disconnect the power input to the ballast or LED driver.



5. Cut the load side wires (LINE and NEUTRAL) and connect the SCL1000 Luminaire Controller. Use the additional notes below to properly insert the wires and install the Luminaire Controller to the fixture surface.



MARKINGS:

LINE: Incoming power feed from premise wiring

LOAD: Power output from Luminaire Controller to ballast or LED driver AC power input

DIM: 0-10 VDC dimming control output from Luminaire Controller to ballast or LED driver dimming input
(See Figures A & B below)

Figure A

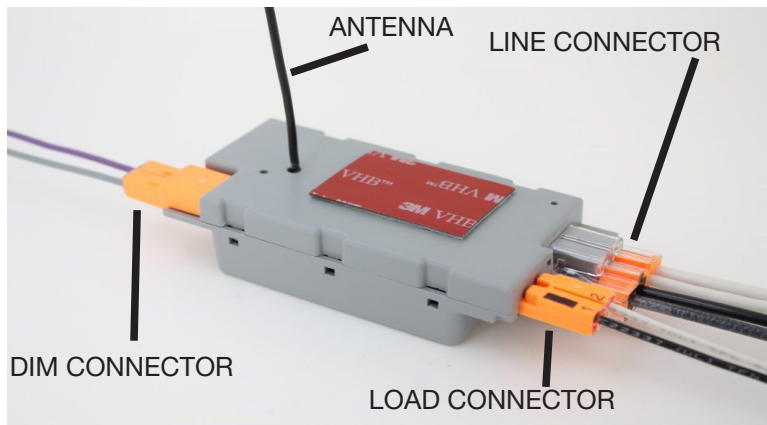
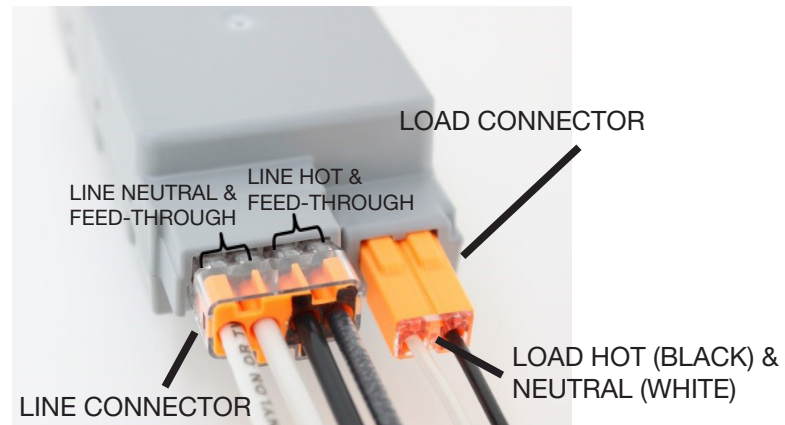


Figure B



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CONNECTING THE WIRES:

LINE CONNECTOR:

The LINE Connector accepts 12 AWG-18 AWG copper conductors, solid or stranded (19 strands or less for 12 AWG-16 AWG, 7 strands or less for 18 AWG).

Use only one conductor per port and ensure that no copper is exposed on any of the wires after installation.

1. Strip wires to 1/2 inch.
2. Grip LINE hot wire and firmly push conductor into one of the black LINE ports. See Fig. B.
3. Grip LINE neutral wire and firmly push conductor into one of the unmarked LINE ports. See Fig. B.
4. For feed-through (i.e. “daisy-chain”) installations, insert the LINE hot feed-through conductor into the other black line port. Insert the LINE neutral feed-through conductor into the other unmarked LINE port. See Fig. B.
5. After LINE wire installation, the power supply can safely be disconnected and re-connected without re-installing the wires. To disconnect the power supply, firmly grip the LINE connector and pull to separate it from the main body of the Luminaire Controller. To reconnect, simply push the LINE connector into the corresponding port on the Luminaire Controller.

LOAD CONNECTOR:

The LOAD Connector accepts 18 AWG copper conductors, solid or stranded (16 strands or less).

Use only one conductor per port and ensure that no copper is exposed on any of the wires after installation.

1. Strip wires to 3/8 inch.
2. Grip the LOAD hot wire and firmly push conductor into the port marked with the black stripe. See Fig. B.
3. Grip the LOAD neutral wire and firmly push conductor into the unmarked port. See Fig. B.
4. For feed-through (i.e. “daisy-chain”) installations, insert the LINE hot feed-through conductor into the other black line port. Insert the LINE neutral feed-through conductor into the other unmarked LINE port. See Fig. B.
5. After LOAD wire installation, the load can safely be disconnected and re-connected without re-installing the wires. To disconnect the load, firmly grip the LOAD connector and pull to separate it from the main body of the Luminaire Controller. To reconnect, simply push the LOAD connector into the corresponding port on the Luminaire Controller.

Figure C



DIM CONNECTOR:

The DIM Connector accepts 18 AWG copper conductors, solid or stranded (16 strands or less).

Use only one conductor per port and ensure that no copper is exposed on any of the wires after installation.

1. Strip wires to 3/8 inch.
2. Grip positive/(+)/purple DIM conductor and firmly push into the port marked “1”. See Fig. C.
3. Grip negative/(-)/gray DIM conductor and firmly push into the port marked “2”. See Fig. C.
4. After DIM wire installation, the DIM connector can safely be disconnected and re-connected without re-installing the wires. To disconnect the DIM connector, firmly grip it and pull to separate it from the main body of the Luminaire Controller. To reconnect, simply push the DIM connector into the corresponding port on the Luminaire Controller.

INSTALLING THE SCL1000 INTO THE FIXTURE:

1. IMPORTANT: There must be 3 inches of space above the fixture for the antenna to fully extend. DO NOT allow the antenna to contact any metalwork above the fixture itself. Verify that the antenna is fully extended and it will fit through the metal top of the fixture. See Fig. A above.
2. Verify that there is a flat area completely under the area where the Luminaire Controller will be permanently placed (no vents, ridges or sheet metal corners).
3. If a hole is not available for the antenna to fit through then drill a 0.125" (1/8") diameter hole into the top of the fixture. Center the hole in the middle of the enclosure in line with the center line of the ballast or driver.
4. Remove the backing of the double-sided tape on the SCL1000, exposing the adhesive.
5. Insert the antenna through the hole in the fixture trough. See Fig. D.
6. Firmly press the Luminaire Controller into place.

Figure D

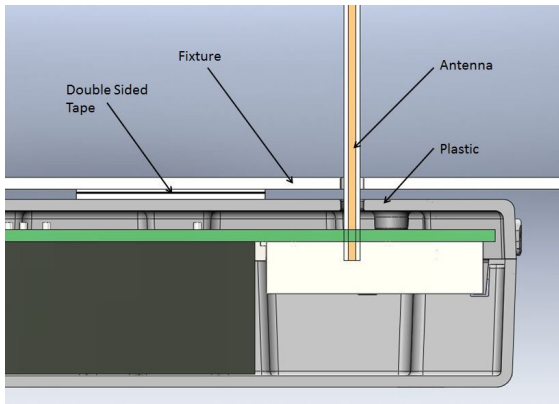


Figure E



SERIAL NUMBER TRACKING

1. Remove the 2 tear-away stickers that contain the serial number of the Luminaire Controller. See Fig. E.
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.

www.audacywireless.com 800-273-9989
contactus@audacywireless.com
1375 Park Avenue, Sycamore, IL 60178, U.S.A.

