

INSTRUCTION SHEET

Model Numbers: **RLxVR Series Recessed Remodel Downlights** (example: RL4VR-30-17-60-L010-NC-1)
Architectural Recessed Housings for Remodel of existing ceiling.



WARNING: Before starting to work with the electrical supply wires, verify that this circuit's power has been disconnected by switching off its Circuit Breaker or removing its fuse from the fuse panel. The use of a wall switch to turn off the circuit is and not sufficient to prevent an electrical shock. The Luminaire must be connected to supply wire rated for 90C. This product is to be installed by a qualified electrician.

CAUTION: Ceiling insulation must be kept a minimum of 3" away from the sides of the pieces that make up this unit. Insulation is not allowed to contact the top. In addition the unit must maintain a minimum clearance of 1/2" away from all combustible materials such as adjacent wooden ceiling joists and sub-flooring or roofing above. These factors should be taken into consideration when locating this fixture.

IMPORTANT BASIC INSTALLATION STEPS

Note: These instructions cover remodel installation. There will be slight variations to these instructions depending on ceiling type. Exact look of the recessed downlight luminaire will vary depending on model. This product may not fit into every type of existing ceiling. Before attempting installation, read this instruction sheet completely AND measure the existing ceiling depth and opening width to determine if this product will fit. Access to 120VAC is needed to power this product.

Wear soft clean gloves while installing Trim piece to prevent finger prints and scratches on reflector. Wet location trim must be used near showers and bathtubs. Exterior (outdoors) locations must be well protected from insects, water, and high heat. Wet location trim must be used when mounting a downlight outdoors. Bug intrusion and excessive dust buildup can overheat LED downlight and may lead to early product failure. Ideally, seal trim with latex based sealant to keep bugs out. Swimming pool vapor (chlorine) and sea side vapor (salt) will lead to corrosion of the fixture. Prolonged high humidity may impact overall product life.

INSTALLATION PROCEDURE

1A. Removal of Existing Downlight (if applicable):

First, read all Warnings, Cautions, Important notes, and instructions on this sheet prior to beginning. The new remodel luminaire must fit tightly into existing ceiling hole! Remove finishing trim of existing downlight luminaire and measure ceiling hole to verify. The existing hole must be within +/-1/8" of the specified ceiling opening (see Ceiling Opening Chart on right). Only proceed with installation when you have verified that this product will fit into existing hole. Because of the numerous brands and types of downlight luminaires, your installation method may be different. Remove existing finishing trim piece from old downlight. Then, pull out existing reflector. Disconnect electrical lead from the junction box of old downlight.

1B. Installing in Blank Ceiling (if applicable):

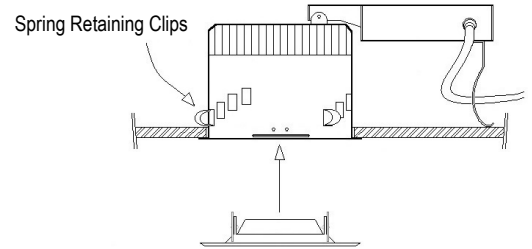
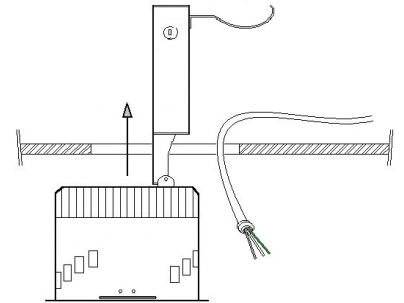
First, read all Warnings, Cautions, Important notes, and instructions on this sheet prior to beginning. Locate and mark desired location for remodel luminaire. Before cutting hole, verify that no electrical, gas, plumbing or structural members will be damaged. See Ceiling Opening Chart on right for size of circular opening. Cut hole to required size.

2. Wiring:

See Driver or Specification Sheet related to this product for wattage ratings. Use only supplied driver. Open the junction box and make electrical connections as needed per the wiring diagram and in accordance with local codes or N.E.C. Use an appropriate method suitable for the size, type, and number of wires at each connection. Remove a knockout from the edge of the junction box and attach a strain relief to the supply conduit cable. Ground the luminaire in the junction box using green wire. Connect Common (white) and Hot (black) leads. The use of the dimming leads is optional (see Dimming notes). If not using low-voltage dimming, cap the leads. When all wiring is completed, carefully push wires into junction box and screw its cover closed.

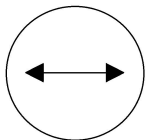
3. Final Steps:

Slowly insert remodel luminaire into ceiling hole. Allow driver box to rest on ceiling as show in diagram. Insert and fully engage the three Spring Retaining Clips from within the luminaire to clamp the luminaire firmly onto ceiling drywall. Install Finishing Trim piece.



Ceiling Opening Chart

RL2VR: 2 1/2"
RL3VR: 3 7/8"
RL4VR: 4 1/4"
RL6VR: 6 3/8"
RL8VR: 8 1/4"



DIMMING

USE OF OPTIONAL 0-10V DIMMING LEADS: If you have a 0-10V dimming driver you can choose to use the 0-10V dimming, or not dim at all. The 0-10V dimming leads cannot be connected to AC line! Cap 0-10V leads if not used. A different dimming protocol option may have been ordered, so please look at driver to determine proper wiring.

