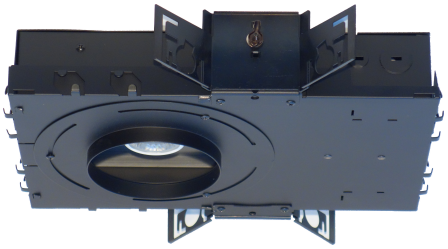
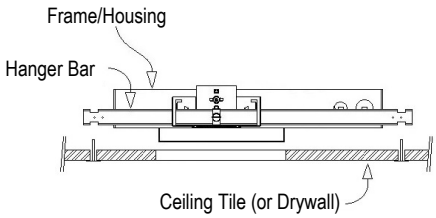
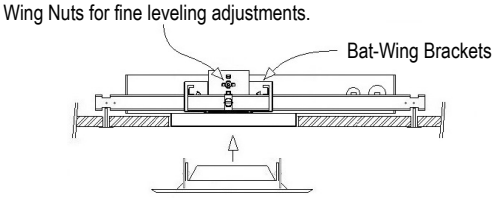
INSTRUCTION SHEET
Model Number: RLxVL Series Recessed Downlights (example: RL4VL-30-27-60-L010-IC-1)
Architectural LED Recessed Housings for New and Remodel Construction applications.

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 ½" 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.







Flanged Trim installs into fixture housing by integral leaf springs.

BASIC INSTALLATION STEPS

Note: These instructions cover new construction 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. Wear soft clean gloves while installing Trim piece to prevent finger prints and scratches on reflector.

1. Installing Ceiling Frame or IC Housing (aka Rough-in):

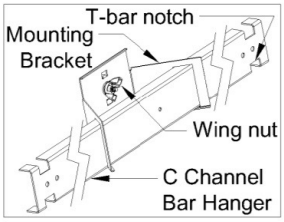
   Prior to finished ceiling being completed, install frame into ceiling cavity using adjustable Bat-Wing Brackets, supported by ½" EMT (supplied by electrician) or Hanger Bars (optional, purchased separately through QuantaLight). Squeeze Bat-Wing brackets to insert EMT/Hanger Bars through the cutouts on both ends of the brackets. Depending on the Hanger Bar style chosen do one of the following: Rest EMT/Hanger Bars on top of T-bar supports of ceiling system (C-Channel Hanger Bars are notched to insert over T-bar). Secure C-Channel by bending very end inwards to clamp T-Bar and then use 14AWG wire to secure to T-bar ceiling grid. Secure EMT tightly by using 14AWG wire inserted through holes in T-bar and then twisting wire. For Wood Joist style hanger bar, nail hanger bar onto wood joist.

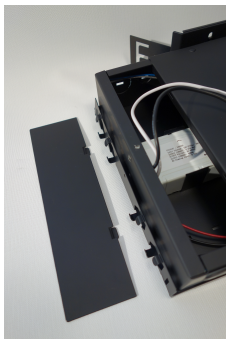
2. Height Adjustment:

   With the RLxVL series you can make fine leveling adjustments by moving the position of both Bat-Wing Brackets. To do this loosen the Wing Nuts and adjust the level of the bottom edge of adapter ring so it is flush with the finished side of ceiling. Tighten Wing-Nuts when done.

3. Wiring:

   Open the junction box, then remove a knockout from the side of the fixture box and attach a strain relief to the supply conduit/cable. 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. Ground the luminaire inside the fixture box using green wire provided. Connect Common (white) and Hot (black) leads. The use of the dimming leads is optional (read below). If not using low-voltage dimming, cap the leads. When all wiring is completed, carefully push wires into junction box, and screw cover closed.



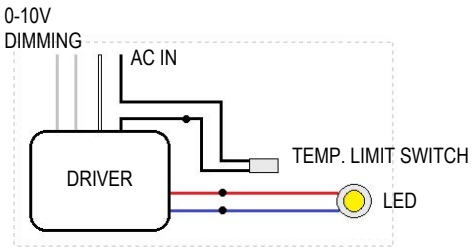


Dimming

Depending on what was ordered, the driver may be dimmed through the 120V line by using a LED rated ELV dimmer, or for much better performance by using the low-voltage 0-10V leads (0-10V dimmer required). Other drivers are also available and may have been ordered, so if dimming please look at the driver closely to determine the dimming protocol and wire accordingly. If not using 0-10V type dimming, cap the 0-10V low-voltage leads.

WIRING SCHEMATIC

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.



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