



Larson Electronics LLC www.LarsonElectronics.com sales@larsonelectronics.com
9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364

RCL360

Read all warnings before using or installing the light.

IMPORTANT: This light may cause fatalities if shined at a person operating a motor vehicle. Some municipalities require work lights be covered while vehicle is driven. Consult local laws before placing this light into operation.

- Do not use light on road or highway. Intended for off-road use only.
- Do not shine light into anyone's eyes, especially if operating a vehicle or other equipment.
- Do not use light in an explosive atmosphere. This device is NOT explosion proof.
- Do not touch hot bulbs. Allow bulbs to cool before replacing.
- Do not leave light face down on any surface during operation. Fire or surface damage may result.
- Do not place arms or legs near the device when operating. Observe pinch points and keep clear.
- Do not attempt to service the light. Return to Larson Electronics for repairs.
- It is advised to keep the vehicle's engine running while operating the light for extended periods of time to avoid draining the battery.

IMPORTANT

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC CAUTION

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. Larson Electronics assumes no liability for damages resulting from misuse or abuse of this product.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.



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HID

If you have an HID version of the RCL360, startup amp draw will be approximately 16+ amps for 60 seconds. Once the ballast cycles down, the amp draw will be 4.5 amps on 12 volts. Please ensure that the ground and line are capable of delivering that capacity to the light.

INSTALLATION

IMPORTANT: Be sure to read all of the installation procedures before beginning installation.

- Select a mounting location that will provide sufficient strength to support the light and provide access to the wiring. Protect all wires from sharp edges to prevent chaffing.
- Use 12 AWG wire or larger to extend power wires.

ATTENTION: Care must be taken when selecting a mounting location to provide sufficient strength to support the light and access to the wiring.

MOUNTING THE LIGHT

1. Using the mounting template, drill three 7/32" diameter holes in the mounting surface.
2. Drill one 1/2" diameter hole within the inner ring of template for access to the wiring harness.
3. Align the mounting gasket to bottom of light base.

NOTE: Do not use corrosive sealers (such as silicone sealant) on (or next to) the light base or mounting surface when mounting light. Proper installation of mounting gasket will prevent moisture from entering this area.

4. Use the crimp terminals and 12 AWG or larger wire to extend the yellow and black wires and route them through the 1/2" hole to a protected 15 amp 12 volt power source.
5. Secure the light to the mounting surface with the screws and nuts provided.
6. Connect the black wire to the negative (-12 volt) supply.
7. Connect the yellow wire to the positive (+12 volt) supply.

REMOTE CONTROLLERS

Two remote controllers are available. Each wired remote will control only one light. A wired remote will take precedence over a wireless transmitter. Each wireless transmitter can control two light units independently, and each light can be controlled by up to six wireless transmitter IDs. The transmitter broadcast signal is 433.92 MHz. The remote has 8 push buttons:

- UP, DOWN, LEFT, RIGHT controls the motion direction.
- The FLASHLIGHT (on wireless models only) will shut off after 20 minutes if no pushbuttons are pressed to conserve battery power.
- The A/B pushbutton changes the transmitter ID code to allow the transmitter to control two lights independently. The current transmitting code is indicated by a red or green light within the logo. Only the red ID is active on the wired remote.
- The ON pushbutton turns the light on and will cycle between the flood and spot filaments on the dual filament models. After turning OFF, the last flood or spot setting will be recalled the next time the ON is pressed.



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- The wired remote is powered by the receiver control board and does not require batteries. The wireless transmitter is powered by three AAA batteries. The batteries can be replaced by removing the two screws securing the battery cover on the back of the transmitter.

INSTALLING WIRED REMOTE

1. Connect the 35' long extension cable to the connector in the base of the light.
2. Route the extension cable into the cab of the vehicle.
3. Select a mounting location for the remote bulkhead connector and drill a 1" diameter hole.
4. Use the connector to locate and drill two appropriate sized holes and secure the connector to the mounting surface with two #4 flathead thread cutting screws or machine screws and nuts. (not provided)
5. Connect the extension cable to the back of the connector and the coil cable to the front.
6. Connect the coil cable to the wired remote.

SYNCHRONIZING WIRELESS TRANSMITTER

If your light was ordered with a wireless transmitter, it is factory synchronized to the light. Use the following procedure to add transmitters or synchronize the transmitter to additional units.

1. Disconnect power from the unit.
2. Press the A/B pushbutton to select either the green or red transmitter code.
3. **Press and hold** an UP or DOWN **and** a LEFT or RIGHT pushbutton.
4. Restore power to the unit and release the pushbuttons when the lamp turns on. The lamp will start to flash indicating the transmitter ID has been synchronized.

The red and green transmitter codes can be synchronized to the same unit. To erase all transmitters from the receiver, press the pushbutton on the receiver board while power is applied. To access the receiver board, slide a thin screw driver blade under the rim of the rear cover near one of the retaining pins and carefully push the rim over the pin.

CHANGING THE DEFAULT UP/DOWN or LEFT/RIGHT CONTROL

If using a wireless transmitter, first make sure it is synchronized to the receiver.

1. Disconnect power from the light unit.
2. To reverse the default UP/DOWN direction, **press and hold** the UP **and** DOWN pushbuttons or to reverse the default LEFT/RIGHT direction, **press and hold** the LEFT **and** RIGHT pushbuttons.
3. Restore power to the unit.
4. Release the pushbuttons when the lamp starts to flash. The lamp will flash and the light will rotate to indicate the change has been accepted.

The change is stored in the receiver and will apply to all remotes connected to the light. If the wireless transmitters are erased from the receiver, the receiver will retain the latest default directions.

MAINTENANCE

The sealed beam lamp can be replaced by sliding a thin screw driver blade under the rim near one of the retaining pins and carefully pushing the rim over the pin.



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MOUNTING TEMPLATE

