

## RCL360-LED

### 30 Watt Remote Control LED Spotlight Light with Wired Dash Mount Controller

Product ID: 64221

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

### **MOTORIZED REMOTE CONTROL LED SPOTLIGHT WITH WIRED DASH MOUNT CONTROLLER**

The RCL360-LED is a remote controlled, heavy duty LED spotlight, producing a spot beam that reaches 600 feet in length by 70 feet wide. This motorized spotlight can be positioned by hand, due to its "slip" motor design, and a hard wired dash mount controller features a stainless steel joystick for remote operation. Operators can remain in the vehicle, boat cabin, etc. and control the light mounted outside via the dash mounted joystick controller.

Operators can control the output and position of this spotlight with the wired dash mount controller, which is connected to the light via a 20 foot wire harness. A key feature of this remote control spotlight is the "up and over" capability. Unlike most remote control lights, this light can be used to point straight upwards while maintaining full beam width. There are no housing or physical limits blocking the upward facing angles. This light can also point nearly directly downward, limited only by the very narrow base. Basically, this remote controlled light offers a complete range of coverage, due to its unique "yolk" based designed.



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[Click Photo to Enlarge](#)



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Another unique aspect of this light is that the light can be moved in two directions simultaneously. Most remote controlled spotlights can be right and left or up and down independently. This light can be moved at 45 degree angles. For example, you can move the light down and to the right at the same time. This enables the operator to position the light very easily on even the smallest target. This can be helpful for driving and spotting. To some extent, this light embodies the finite controls afforded the operator by pillar mount spotlights with a motorized remote control joystick.

**MADE IN THE USA. Certificate of origination provided on request. NAFTA compliant.**

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#### **MOTORIZED TILT AND ROTATION**

Electric motors control full horizontal and vertical light movement via a hard-wired joystick control that can be mounted anywhere in the vehicle, boat or heavy equipment. This remote controlled LED spotlight will not interfere with IED detectors, radios or other sensitive radio frequency equipment. This remote control light uses "slip drive" motors, which enables the operator to hand position the unit if they choose without causing damage to the motors. Slip drive motors also mean that accidentally hitting the light on tree branches or other obstacles doesn't damage the motor, clutch or gears.

**Spotlight:** 215,000 candlepower rating. Beam covers approximately an area approximately 600 feet long and 70 feet wide.



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#### **FEATURES**

Motor-controlled light provides 370° of motion on the horizontal axis and 350° vertically.

Weather-resistant light and base provides safe, dependable operation in the most demanding environments including fresh water and salt water humidity. The weather resistant properties are due to the UV resistant housing materials and the individually potted and sealed electrical components. The motors, board controllers, ballast and other components are completely potted and sealed and connected via weatherproof connections. All support materials are Delrin, stainless steel, polycarbonate or brass. Saltwater is not an issue. The light can be exposed to waves, rain and other water sources under high wind conditions.

**THIS LIGHT IS DESIGNED TO BE INSTALLED UPRIGHT, UPSIDE DOWN OR AT ANY ANGLE.**

## **VOLTAGE**

Available in 12 volts DC

## **OPERATING TEMPERATURE**

-40F to +180F

## **REMOTE**

Remote: Hard-wired joystick control with standard 20' harness length that connects to the light. Other lengths available upon request. A simple rocker switch (as shown below) is used to turn the beam on or off. The metal joystick is extremely durable. A basic crimping tool is required to make the wiring connections. The 16 gauge wire harness, controller and joystick are very heavy duty and are designed for land or marine applications. A separate on/off rocker switch controls the light bulb.

[Click Here for Dimensional Drawing of the Hardwired Remote Control](#)

## **MOUNTING and WIRING**

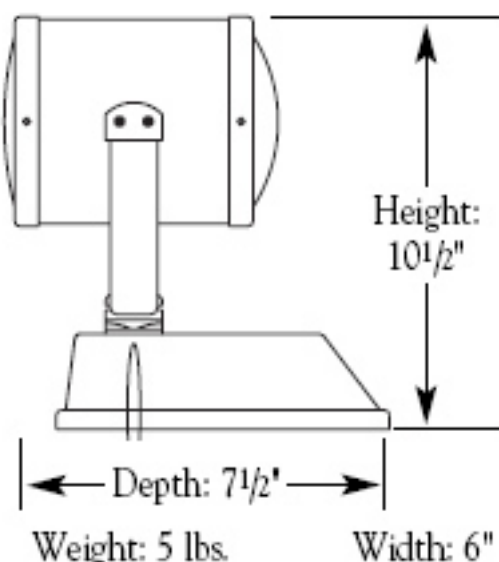
Three through holes at the base of the light are used to mount the light to the surface with included screws. The 6 wire wiring harness is shipped in the box and attaches via simple crimp connectors. By using crimp connectors instead of a dedicated large connector, operators can avoid drilling large holes in the vehicle to pass the harness. A 3/8 inch hole is sufficient for the wiring harness.

## **Materials:**

### **Stainless steel and Delrin.**

All internal moving components are made from stainless steel and Delrin (acetal copolymer). The motor assemblies, shafts, brackets and other structural items are made from stainless steel, while the gears are made from a self lubricating grade of Delrin (acetal copolymer). Delrin is a unique resin designed by Dupont and is commonly used as an alternative to steel in applications where saltwater, chemicals and high heat are an issue. Delrin is chemical resistant, oil resistant, saltwater resistant and maintains its properties in sub zero temperatures (-40 C) and temperatures well over 200 degrees C. These materials are chosen for their ability to provide long lasting durability in inclement environments, making this remote controlled light an ideal solution for mining, oilfield and saltwater applications. The housing is made from UV resistant polycarbonate with a brass back plate for support.

## **DIMENSIONS:**





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## Frequently Asked Questions (FAQ)









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**Product ID: 64221**

**Harmonized System (HS) Code:** 9405.41.84.10

**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [HigResPic10](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)