

RCL360-HID

Motorized Remote Control HID Spotlight - 4500 Lumens - Wired Dash Controller - 50W HID Bulb

Product ID: 1836

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.

RCL360-HID Remote Controlled HID Spotlight

Lamp Type: HID
LED Light Dimensions: 7.50"L x 6.00"W x 10.50"H
Weight: 5 lbs
Voltage: 12V DC
Total Watts: 50W
Total Lumens: 4,500
Luminous Efficacy: 90 Lm/W
Housing Material: Polycarbonate
Lens Material: Polycarbonate
Housing Color: Black
Remote Materials: Polycarbonate/ABS
Remote Color: Yellow
Mounting: Dashboard Mounted

Features

760,000 Candlepower Rating
Remote Control Operation
Plug and Play Design
Lightweight
Built to Last and Resist Damage
Easy to Install

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The RCL360-HID from Larson Electronics is a remote controlled, heavy duty HID spotlight, producing 4,500 lumens (equivalent to 760,000 industrial candlepower rating and a 15 million retail candlepower rating. This HID spotlight produces an 4,100 foot beam with a 50 watt HID bulb and ballast combination. This motorized spotlight can be positioned by hand, due to its "slip" motor design, however a hard wired dash mount controller features a push button remote for remote operation. This

motorized HID spotlight produces a working beam that reaches 4,100 feet and is 255 feet wide at its widest point.

Operators can control the output and position of this HID light 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 design.

Another unique aspect of the RCL360-HID 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 push button remote control.

The RCL360-HID has a durable and rugged polycarbonate exterior that is resistant to breaks or damage and is also resistant to saltwater, ice, snow, UV radiation, and water. The newly designed base and geared clutch give this remote controlled HID spotlight positive tension to help it avoid any damage from heavy vibrations caused from rough driving conditions.

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.

Electric motors control full horizontal and vertical light movement via a hard-wired push button control that can be mounted anywhere in the vehicle, boat or heavy equipment. This remote controlled HID 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.

Remote: The simply yet ruggedly designed remote control on the RCL360-HID spotlight offers operators full control of the spotlight. The plug and play design makes the remote easy to install and operate. Included with the remote is 20 feet of CAT 5 cable, a dashboard mounted jack, and a 6 foot curly cord cable. A blend of polycarbonate and ABS plastic make the bright yellow remote on this HID spotlight extremely durable and resistant to damage and breaks if dropped. The RCL360-HID spotlight remote is ergonomically designed and has oversized buttons for easy use while wearing gloves. Button functions include power on/off, spotlight/floodlight toggle (for compatible models), brightness control, and four directional buttons for adjusting the direction the spotlight is pointing. The weather-resistant housing and sealed buttons make this HID remote controlled spotlight remote functional for a variety of weather conditions including rain and snow. This spotlight is also available in a wireless version listed as the RCL360-HID-RF.

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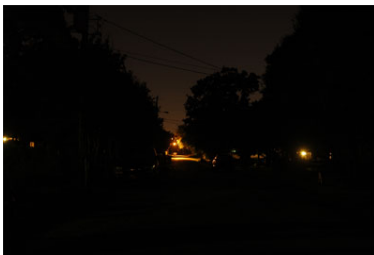
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Light Beam Options: This HID light can be configured for a spotlight or flood

light configuration. Please select below under beam options for spotlight or flood light when ordering. The 50 watt HID bulb produces 4500 lumens, which is equivalent to a 760,000 industrial candlepower rating and a 15 million retail candlepower rating. In a flood beam configuration, this light casts a 350 foot by 250 foot beam. In a spot beam configuration, this HID light casts a 4,100 foot beam that is 255 feet at its widest point. The difference between the spot and flood configuration is based on the use of different lens/reflector combinations to either let the light pass directly outward for distance (spot) or diffuse the light for a wider, softer beam (flood).

Materials: 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.



This image shows a dark suburban street, illuminated by nothing but distant street lights.



This image shows the same street, this time being illuminated by the RCL360-HID

Applications: Nighttime inspection, maintenance, and repair, utility industry, military, construction, fire, search and rescue, marine, farm, agriculture
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Frequently Asked Questions (FAQ)









RCL360-HID

Product ID: 1836

Export Control Classification Number (ECCN): EAR99

Options:

RCL360-HID-Beam Config-Voltage

Example: RCL360-HID-SP-12V

Beam Config	
SPOT	-SP
FLOOD	-FL

Voltage	
12V	-12V
24V	-24V

Links (Click on the below items to view):

- [Dimensional Drawing 2D](#)
- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
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