

# **RIC LightMaster™**

## **UBLL3-L21**

### **Ultra Bright 3-LED Landing Light**

# **USER MANUAL**

#### **Features:**

- 3 Watts consumed by LEDs 150 Lumens of light output
- 25 degree viewing angle
- Plugs directly into R/C LightMaster™ controllers
- 4.8V to 6.0V power source
- 22 gage wires

#### **Specifications:**

- 0.83" (21mm) Diameter Lens
- 0.39" (10mm) long from base bottom to lens face (not including wire leads)
- Each LED draws 350mA when sourced with 6.0V
- 0.95oz (27g) complete with connectors and 2 feet of wire

### **3-LED ULTRA BRIGHT LANDING LIGHT (UBLL3-L21):**

This extremely bright landing light features an extraordinary output of 150 lumens. The light, complete with connector, heat sink, lens, and 2 feet of wire weighs less than an ounce.

### **USING THE LIGHT:**

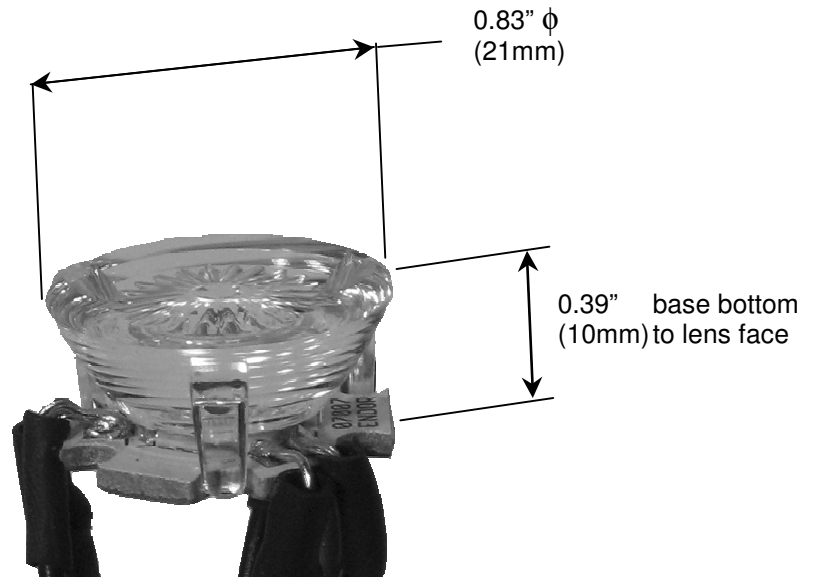
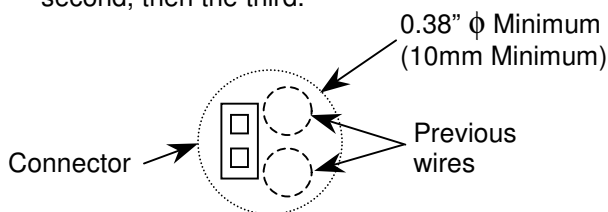
This Ultra-Bright LED is designed for use with the R/C LightMaster™ Lighting Controller. Use of this LED with any other controller will be at your own risk and will nullify the warranty.

This light has three connections, each of which drives one of the three LEDs. This unit will require 3 light output connections on the controller. The Black wire is negative (-) and the Red wire is positive (+).

### **RUNNING WIRES:**

There are three wires that must be connected for this light—one for each LED

- A 5/16" diameter passage is recommended without the connectors on the wires
  - A 3/8" diameter passage is required for the connector to pass through
- Feed one connector through the hole, then the second, then the third.



### **ASSEMBLING & MOUNTING THE LED:**

- The lens can be glued to the LED board with thick CA (and accelerator if you wish).
- It is highly recommended to build a support for the wires to help keep the LED secured in place. Plan to support the wires about 1.25" from the LED board.
- Make sure that the metallic back side of the LED base is clear from obstructions. This is the heat sink, and it must have some open air by it to dissipate heat.

### **NOTES:**

- The heat sink will get hot to the touch. This is expected due to the amount of power the LED draws.
- Do not use hot-melt glue to mount the LED's. The LED produces enough heat to soften this type of adhesive.
- Never operate the LED without the heat sink intact! Overheating can occur, damaging the LED and risking a fire!
- You may need to program one or more of the outputs on the controller (not included) to accommodate the 3 leads