



Rigid Products

- Warranty – Limited Lifetime. If you have an issue, you call Rigid directly or get a Returned Merchandise Authorization (RMA) directly from Rigid. You will speak to someone who is located in our manufacturing facility in Gilbert, AZ.
- Patented Optics that capture the maximum amount of light emitted from the LED. Extremely efficient, collecting 93% of the available light with incredible control.
- LED Binning; a bin is a very tight specification for either how bright or what color the output of the LED is. Rigid buys the best of the best LEDs available. Rigid pays extra to get an exact color & brightness bin, exactly where Rigid and its customers expect it.
- Designed, Engineered and Assembled in Gilbert, Arizona U.S.A.
- IP69K Tested (This is the highest protection available; protected against close-range high pressure, high temperature spray down.)
- MIL-STD-810G Vibration Tested
- Over/Under Voltage Protection
- Reverse Polarity Protection
- Thermal Testing, done in-house; spec'ed at -40° F ~ +140° F
- Real light output is measured in our Lighting Lab that we have on site. Rigid has invested over \$1M into our testing equipment to obtain the most accurate scientific data. Goniophotometer (light output testing; measures candela & effective lumens), Integrating Spheres (used to measure color temperature, candela, effective lumens and beam shape and distribution), CMM machine for Quality Control; Pressure Vessel (IP-X8+ Testing), IP-X9K Testing Equipment, UV Testing Chamber, Thermal Environmental Testing Equipment and a Vibration Testing Table.
- A Custom, trim designed heat sink; specifically designed for optimal heat transfer on each light design. This keeps the LEDs running cooler, brighter & longer. They are designed to transfer the heat from the circuit board with maximum efficiency; preventing damage to the LEDs and surrounding components.
- Aluminum thermal clad circuit board which disperses the heat away from the LEDs.
- Protected against RFI/EMI & EMC (Radio Frequency Interference/Electromagnetic Interference and Electromagnetic Compatibility).
- A360 High Purity Aluminum Housing. The highest quality extruded die cast aluminum.
- Durable UV Polyester Powder Coat
- Rugged Stainless Steel mounting hardware. Stainless steel is stronger than regular steel or aluminum and is resistant to wear and abrasions.

Import Products

- Warranty-Limited Lifetime. Do you really think that somebody trying to make a quick buck is going to be around to warranty a failure? What about the company in Asia, can you call them directly? When you ask about the details of the warranty, no one can provide you the information.
- No details are provided about their optics. Typically, they are “off the shelf” optics very inefficient, poorly designed and manufactured.
- Only info provided regarding their LED's is that they use Cree. Recently in Asia, there has been a spike in “fake” LEDs. They look like a Cree, Osram or Nichia LED, but they aren't. We acquired a few fake LEDs and the performance was enlightening. They put out less than half of what they should as a real LED.
- Brightness and color bins can have up to 100% variation in output and cost. LEDs are the heart of the system; with cheap, low output LEDs, it might look like a light bar, until you need to use it!
- Designed, Engineered and Assembled in Asia. The only thing done in the US is opening the container and posting the ad on ebay.
- IP67 testing claimed; probably not. All of the lights we bought and tested leaked water at about 6” of depth. (protected against the effects of immersion in water to a depth between 15cm & 1 meter; IP68 and IP69K are both higher ratings)
- No mention of MIL-STD-810G Vibration Testing
- Over/Under Voltage Protection(Claimed) (We've seen overvoltage failures, in the spec'd operating range)
- Reverse Voltage /Polarity Protection(Claimed)
- Operating Temp -40°C - 80°C (claimed)
- No mention of where & how their Engineering, Research and Testing are done.
- Lumens are reported, but they do not mention how they get this scientific data. Usually, they are scientifically impossible numbers. In our testing of China Inc. they are usually about 30% of what they claim to be.
- Typically, their circuit boards are fiberglass, which is not as efficient with heat transfer. This saves money, but leads to a much shorter life of the components.
- No mention of RFI/EMI & EMC Protection
- Black “painted” Aluminum Housing or inferior powder coat.
- Aluminum mounting hardware. Aluminum is lighter, but not as durable as stainless steel.