



APPLICATION NOTE

LUMATEQ LED Blaster Lights (LB400, LB300, LB100)

Interior/Exterior Use

DEFINITION

The use of LEDs as an energy efficient lighting solution, also known as Solid State Lighting (SSL), offers great promise as the next generation of lighting for everyday environments. Unlike traditional sources that use vacuum or gas filled tubes, such as incandescent, fluorescent, and HID lighting, LEDs produce light solely by the rapid movement of electrons through a semiconductor material.

LEDs generate light so efficiently that they are becoming an attractive alternative lighting source. Compared to traditional sources, LEDs draw less power and produce a lower heat output. This results in a significant reduction for two of the largest energy consumers in our working and living environments: HVAC and lighting. LEDs typically offer the additional advantage of having a longer service life than traditional sources.

LEDs are directly controlled by a "driver" which in turn is controlled by a control source. The LED driver regulates the current flowing through the LED during operation to produce the maximum output. It protects the LED from voltage and current fluctuations to prevent pre-mature failure.



7-1/2" x 8-1/2"

BENEFITS

Compared to fluorescent bulbs, LED light bulbs contain no mercury (unlike a Compact Fluorescent Lamp-CFL). Their lifespan is unaffected by cycling on and off so they are well-suited for light fixtures that are often turned on and off. LED light bulbs are also mechanically robust; most other artificial light sources are fragile.

White-light light-emitting diode lamps have longer life expectancy and higher efficiency (the same light for less electricity) than most other lighting. LED sources are compact. Because of the small size of LEDs, control of the spatial distribution of illumination is extremely flexible and the light output and spatial distribution array can be controlled with no efficiency loss.

LED lamps have no breakable glass tubes and their internal parts are rigidly supported, making them resistant to vibration and impact. LED lighting provides clean, reliable, cost-effective lighting with the potential for as much as 90% savings in annual energy costs. There is, therefore, a breadth of applications and capabilities that result in financial and environmental benefits to specifying and installing TACO's LUMATEQ LED Blaster Lights.

APPLICATIONS

- **Marine:** Because it is ETL-Approved for "Wet Locations", the LUMATEQ Blasters are perfect lighting solutions for boat yards, berths, boat basins, harbors, landings, moorings, piers, ports, slips and wharfs where efficient, low-glare illumination is key for providing a safe working & pedestrian environment. These spaces, which also include marinas and docks, benefit from clean, white light effective for safe navigation of marine vessels.
- **Security:** Indoor and outdoor garages and other parking structures, warehouses & storage facilities and loading docks where constant, reliable lighting provides essential security.
- **Architectural:** Up-lighting building facades, signage, flag poles, monuments, guard houses, entry gates and other outdoor structures highlights company branding efforts, enhances landscape architecture and guides pedestrian and vehicular traffic.

★ SOLUTION

These fixtures are also ideal for on-board security and up-lighting: companionways, flagstuffs, quarterdecks, smokestacks, superstructures – anywhere safety or special purpose lighting is required.

For ordering information contact TACO's dedicated customer service organization at:
Ph: 800.653.8568 • Fax: 800.653.8569 • email: info@TACOMETALS.COM
Keep up to date and see What's Going On at TACO by visiting our website:
www.TACOMARINE.COM • www.TACOMETALS.COM

KEY FEATURES

- High output, low glare, low heat emission ideal for interior work spaces
- Attractive low profile design, powder-coated Satin Finish
- Low-draw, energy-efficient operation, won't drain battery
- Mounts as wall pack, up-light, down-light and ceiling
- Low maintenance: No lamp or ballast changes translates to labor and cost savings
- Waterproof (non-submersion) ETL-Approved for "Wet Location"
- Durable construction, LEDs are vibration and shock-resistant
- ETL Listed
- High-impact Polycarbonate lens

INCLUDED

- Stainless Steel mounting bracket with screws
- Mounting instructions
- 1/2" water-tight wire connector
- 3-Year Limited Warranty

OPTIONS

- 12-28 Volt DC, Marine & Solar (LB-300 only)
- Tamper-proof lens guard
- Directional light shield
- Color lens gels (Blue, Green, Purple, Red, Yellow)

PRODUCT CAPABILITIES

• LB400

Up to 50,000 hours of reliable LED lighting	<ul style="list-style-type: none"> • 110~277 Volt AC/Draws 45 Amperes • Replaces 300-400 Watt MH Light 	Available in White (-WHA) or Bronze (-BRZ)
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• LB300

Up to 50,000 hours of reliable LED lighting	<ul style="list-style-type: none"> • 110~277 Volt AC/Draws 30 Amperes • Replaces 175-250 Watt MH Light 	Available in Black, White (-WHA) or Bronze (-BRZ)
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• LB100

Up to 100,000 hours of reliable LED lighting	<ul style="list-style-type: none"> • 110~277 Volt AC/Draws 10 Amperes • Replaces 75-150 Watt MH Light 	Available in Black, White (-WHA) or Bronze (-BRZ)
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TACO Metal's OEM business unit is a supply partner at the highest level and invites its customers to experience the ease of doing business with a company that values its role as a leader. TACO is 100% committed to earning that leadership role every day of the year with every stock and custom order that contributes to building and maintaining a better boat.

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