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LEDLB-24E-BLUE-STRB-40HZ

LED Strobing Beacon - 24 LEDs - Blue Illumination - 72 Watts - 4230 Lumens - 40Hz Flash Rate

Product ID: 146752

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.

LEDLB-24E-BLUE-STRB-40HZ LED Strobing Beacon

LEDs: 24 Edixeon® 3 Watt LED Emitters
Dimensions: 8"L x 4.7"H x 3.00"D
Watts: 72
Voltage: 9-42V DC
Weight: 4 lbs
Lighting Configuration: Strobing Beacon
Flash Rate: 40 Hz
Mounting: Flat Surface or Tube - Adjustable
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 6 (on 12 volts) 3 (on 24 volts)
Lumens: 4,320
LED Light Color: Blue
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White

LEDLB LED Features

Edixeon® 3 Watt LED Emitters
LEDs Driven At 80%
-40°C ~ +80°C Operating Temp Range
70% Lumen Retention @ 65,000 hours
IP67 Rated Waterproof to 1 meter
CE Certified

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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Buy American Compliant

The Larson Electronics LEDLB-24E-BLUE-STRB-40HZ LED Strobing Beacon offers high light output in a light weight, durable, low profile housing combined with versatile mounting and power options. This IP67 rated LED light bar is waterproof to one meter and produces 4,320 lumens

while drawing only 72 watts of power @ 6 amps from a 12 volt electrical system. This light strobes at a 40Hz flash rate, can run on any voltage from 9 to 42 volts and is configured to produce blue colored light only.

The LEDLB-24E-BLUE-STRB-40HZ LED strobing beacon from Larson Electronics produces a strobing light at a 40Hz flash rate with 4,320 lumens of blue light is that ideal for high humidity and marine applications while drawing only 72 watts @ 6 amps from a 12 volt electrical system. Twenty Four Edison Edixeon® Emitters containing CREE EZBright® three watt LEDs producing 180 lumens each are paired with high purity 10 degree optics to produce an intense strobing blue LED light source.

Click Photo to Enlarge

These LED light bars are IP67 rated and waterproof to one meter, sealed against intrusion by dust and dirt and ruggedly constructed to withstand demanding environments and applications. The entire Larson Electronics LEDLB series are constructed of extruded aluminum and feature rubber isolated mounts and unbreakable polycarbonate lenses to provide durability and resistance to vibrations, impacts, waves, hard rains, sand and high winds.

The advantage in colored LED light bars lies in the fact that no lenses are required to change the light color. LEDs can be configured to produce light in only a specific color, allowing the full power of the LED to be projected. Traditional colored lights require a colored lens or filter to produce colored light, which reduces the overall light output as some of the light energy is lost to the colored lens.

Bridge Illuminated by LEDLB-24E-BLUE Lights

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Edison Edixeon® Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels ranging from 9 to 42V DC. These LEDLB series light bars can operate on current ranging from 9 to 42 VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and stand alone applications such as those found on boats, heavy equipment and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

Durability: The LEDLB series of LED light bars from Larson Electronics are lighter and smaller than our LEDLB-E extreme series and offer IP67 rated construction that is designed to withstand tough environmental and operating conditions. These units can operate in temperatures ranging from -40 degrees Celsius to 85 degrees Celsius, are waterproof to one meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum, the hardware is stainless steel

and the lenses are unbreakable polycarbonate. The Edixeon® LEDs offer inherent LED resistance to shocks and vibrations, contributing to these units 15.6Grms rating of vibration tolerance. These LEDLB series light bars are ideal for use in marine environments as well as industrial and commercial settings.

Mounting: These LEDLB light bars feature a smaller profile and lighter weight than our LEDLB-E series lights, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. Larson Electronics LEDLB series light bars are equipped standard with aluminum mounting blocks which slide within the aluminum housing to allow users to adjust their positioning to match existing or user drilled mounting holes. Each aluminum mounting block has an integrated rubber bushing to absorb vibrations and shocks. To secure the lights in place users simply slide the mounting bolts through the aluminum mounting block and rubber isolator, through the mounting surface, then secure the bolt with a locking nut on the opposite side of the mounting surface. In this LED emitter light bar model, an additional mounting option is provided. The adjustable, shock insulated mounts are attached to a simple, inverted u-bracket type mount. The LED light bar can then be mounted via a single 3/8 bolt through the center of the bracket. We also offer a BC-2 bar clamp mounting system you can view here for even greater mounting versatility.

Note: Most Larson Electronics LEDLB, LEDP3W, LEDP10W, and LED10W series LED spotlights and floodlights are terminated with a Deutsch IPD / LADD DT04-2P connector. The mating connector plug is DT06-2S. Most LEDLB and LED10W series lights ship with mating connector as part of a harness or pigtail, depending on the model. Some larger LED lights like the LEDLB-160X2 or LEDLB-200X2 or multiple function LED lights (i.e. high/low beam, modulating, IR/Visible combos) will have different Deutsch connectors.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)



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LEDLB-24E-BLUE-STRB-40HZ
Product ID: 146752

Warranty: 36 Months

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:
LEDLB-24E-BLUE-STRB-40HZ-Finish
Example: LEDLB-24E-BLUE-STRB-40HZ-Black

Finish	
BLACK	-Black
WHITE	-White

Links (Click on the below items to view):

- CE Certificate
- Dimensional Drawing 2D
- Military Specification Certificate 1
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- STEP File (3D CAD Model)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map