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Product ID: 146557

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image:

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.

SPDL-LEDB-5 Solar Powered LED Strobing Dock Light

Lamp Type: LED
Dimensions: 4.5" base OD, 3.7" lens OD 4.2" Tall
Lamp Weight: 0.5 Lbs
Voltage: Internal battery operated
Wiring: Detachable Cigarette Charger
Lighting Configuration: Strobing Flash
Mounting: Permanent Mount w/ Quick Release Feature
Strobe Rate: 1 fps
Housing Color: Clear lens w/ black base (Orange base for amber variant)

Features

Recharges via Solar Panel
Simple and Sturdy Mounting Style
Battery Operated
Weatherproof
Ideal for Harsh Marine Applications

Special Orders- Requirements

Contact us for special requirements

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The Larson Electronics SPDL-LEDB-5 Solar LED Strobing Dock Light is powered from internal lithium ion batteries, replenished by a solar charging panel or cigarette plug charger. The beacon is equipped with a permanent mount. The amber color light output ships with a clear lens and an orange base while all other color options ship with a clear lens and a black base. The SPDL-LEDB-5 features a non-metallic housing for a high degree of corrosion resistance which is an important feature to consider for a marine location dock light. This solar powered LED strobing beacon is ideal for marine applications and is able to stand up to harsh conditions while resisting corrosion.

This compact rechargeable LED solar strobing dock light contains an LED diode assembly that produces 360° of brilliant light. The effective distance of this LED strobing dock light is approximately 1000 feet. While we offer much brighter LED strobing beacons, our design goal here was to produce a beacon with reasonable light output that could run 24 hours a day, seven days a week with 5 hours of daily sunlight. Thus we choose a 1 watt LED and sized the lithium ion batteries and solar panel to produce and store enough energy to power the beacon. Keeping in mind that this LED beacon may not be exposed to sunlight continuously, we built in a 12 volt vehicle charger option as well. The vehicle charger will bring the beacon to full charge in 2 hours. The SPDL-LEDB-5 offers reliable, all-night operation for a constant source of light in marine applications, such as on docks and marinas, where reliable lighting is vital for safety and visibility.

This LED strobe light includes a permanent mounting system with through holes for the mounting base. Once attached, the beacon can still be removed by twisting the beacon counter-clockwise off the base. This twist lock design allows operators to remove the light for vehicle charging if necessary. For example, if it is mounted on vehicle that is stored in a parking garage, the sunlight may be insufficient to recharge the beacon and vehicle charging may be required. However, if the strobe is mounted to a vehicle or other structure that is exposed to the sun daily, operators can add an additional screw that locks out the twist lock function. This simple yet secure mounting system saves operators the hassle and cost of more complicated marine application lighting solutions.



Click Photo to Enlarge

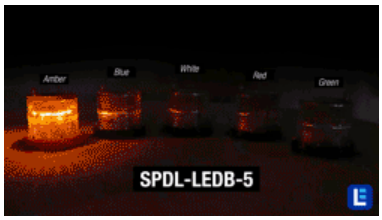


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Click Photo to Enlarge







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.

This solar powered LED beacon is both weatherproof and shock resistant which are both ideal features of a dock light to be used in marine applications where weather, water and other rough treatment can be expected. This strobing LED dock light assembly is protected by a polycarbonate lens cover that is designed to efficiently distribute the flash over a 360 degree radius. The color of this unit is produced by color specific LEDs rather than a colored lens. This increases the effectiveness and reliability of the unit as there is no chance of lens discoloration and no loss of output due to diminished optical clarity. Both of those things mean that the SPDL-LEDB-5 is an ideal dock light for marine applications.

This LED strobing dock light will operate 24 hours a day with 5 hours of sunlight, making it ideal for dock lighting and other marine applications where power is limited. The on/off button and charging port are located on the bottom of the beacon. This light features a clear lens, colored LEDs, and a black base and mounting bracket. The amber color variant features a clear lens, amber LEDs, and an orange base and mounting bracket.

Suggested Applications: Dock lighting, marinas, boat houses, channel markers, mooring lights, safety lighting, buoys and any other marine applications that require a constant source of strobing colored light as an indicator, signal or safety light.

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.

Made in USA Quality

1. High-visibility strobing LED beacon.
2. Ideal for a wide range of marine applications.
3. Non-metallic housing resists corrosion.
4. Strobing LED signal visible from up to 1000 feet away.
5. Solar operation allows dock light to run for 24 hours with only 5 hours of sun exposure.
6. Car charging feature equipped for situations with inadequate sunlight.
7. Permanent mount with quick release system for car charging convenience.

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.

12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.
15. California Title 24 Compliant

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Frequently Asked Questions (FAQ)

There are no Faqs



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Product ID: 146557

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

Options:

-Color
Example: -AMB

Color	
AMBER	-AMB
RED	-RED
BLUE	-BLU
GREEN	-GRN
WHITE	-WHT

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/146557.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/146557.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/146557.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/146557.JPG)
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