Larson Electronics LLC
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Product ID: 144437

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.

LEDEUL6 Underwater / Cabinet LED Light

Lamp Type: LED
Dimensions: 4.13"-Dia x 1.25"-H
Weight: 1.4 lbs
Watts: 18
Voltage: 11-32V DC
Amps: 1.5A @ 12V DC
Raw Lumens: 1,368
Effective Lumens: 958
LED Life Expectancy: 50,000 hours
Luminous Efficacy: 53.2 Lm/W
Color Options: Amber, Blue, White, Red or Green
Beam Configuration: 25° Medium Beam
Spot Beam: 15`L x 10`W
Mounting: Flat Surface Mount
Wiring: Deutsch IPD / LADD DT04-2P Connector
Materials: Anodized Aluminum Housing

Features

Multiple Color Options
Low Profile
Six LEDs for Ample Illumination
Durable Aluminum Housing
Low 1.5A draw at 12 volts DC
Waterproof to 30 Meters
Universal Voltage
High 958 Lumen Output

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

Buy American Compliant

The LEDEUL6 from Larson Electronics is an Underwater LED Light that is designed as a

versatile lighting solution for both underwater and dry applications where an effective yet unobtrusive light fixture is needed. This LED light produces 800 lumens of pure white light while using only 1.5 amps at 12 volts. The LEDEUL6 is submersible up to 100` (30.48m) and operates on an input voltage of 11-32V DC. Six 3W LEDs combine to produce 1,368 raw lumens and 958 effective lumens to provide ample illumination for a variety of applications.

This waterproof LED light is fully sealed within a weatherproof aluminum chassis fixture that features a very small profile for easy and unobtrusive mounting in tight and space limited areas. This LED light is rated waterproof to 30.48 meters (100`) and has a 25° beam spread which makes it ideal for marine applications. Unlike other underwater LED lights, this unit can also be used above water as well, so water is not necessary to cool this LED light. For this reason, other applications for the LEDEUL6 include dome lighting, wash down room lighting, engine room lighting and other small instrument area lighting. These lights feature a small 4.13 inch diameter profile that lends itself well to a wide variety of applications both utilitarian and aesthetic and are available in optional light colors including amber, red, blue, green and white. Two different colors can also be combined within a single fixture at additional cost.

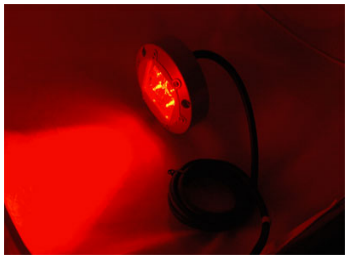
Amber **Blue** **White** **Red** **Green**

Click Images 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.

These LED lights are ideal for use as underwater hull lights, in areas where space is limited as general area lighting, or as primary light sources on decks and walkways. This LED light is available in 10 degree spot or 60 degree flood configurations. Spot configurations are ideal for specialty applications while flood configurations are very effective for general area lighting.





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53" Container with White | 53" Container with Amber | 53" Container with Red





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Durability: These units are fully sealed, weatherproof, and constructed of aluminum with stainless steel hardware for durability and corrosion resistance. Measuring only 4.13" in diameter and 1.25" in total thickness, these compact units are designed for surface mounting in either interior or exterior applications. The 958 effective lumen light output at approximately 12 watts @ 1.5 amp draw of these LED lights makes them ideal for applications where power management is critical such as boats and RV`s.

Wiring/Power: Waterproof to 30 meters for marine environments, these versatile LED lights can be installed above or below water. Each light is mounted via three screws and a 3/8 inch hole for wiring. The LEDs are housed within a hard anodized and powder coated aluminum chassis that provides excellent strength and durability. This LED light has a 4` marine grade cable terminated in a LADD DT04-2P Deutsch connector. This light can be operated on voltages ranging from 11 to 32V DC without the need for any extra hardware. The light will sense the voltage and adjust the current sent to the LED accordingly.

Suggested Applications: The LEDEUL6 is ideal for various applications that include; hull lighting, cabinet lighting, dock lighting, engine bay compartments, confined spaces, overhead lighting, deck lighting, and transom mounting.

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.

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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Image: 12 Watt - 4 LED - underwater light - alumnimum housing - Front View

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Image: 12 Watt - 4 LED - underwater light - alumnimum housing - Back/Cord View

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Image: 12 Watt - 4 LED - underwater light - alumnimum housing - Side View

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Image: 12 Watt - 4 LED - Underwater Light - Aluminum Housing - 4 Different Light Colors

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Product ID: 144437

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

Options:

-Beam Color-Beam Pattern
Example: -AMB-SP

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

Beam Pattern	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/144437.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/144437.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/144437.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/144437.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/144437.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/144437.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/144437.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/144437.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/144437.JPG)
- **Video1**(https://www.youtube.com/watch?v=Wx4YyJATNKA)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)