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## LEDBDLT-18W

**18 Watt LED Fixture for Dock Lighting - Aluminum Housing - 120-277V AC - IP65 Waterproof**

**Product ID: 144432**

**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.**

**LEDBDLT-18W LED Dock LightIndustrial LED Light**

**Lamp Type: LED**
**Lamp Dimensions (w/o Bracket):** 2.3" Diam" x 4.75"-Length
**Weight:** 2 lb
**Watts:** 18W
**Voltage:** 120-277V AC 50/60 Hz or 11-25V AC/DC
**Lumens:** 1530
**Lamp Life Expectancy:** 50,000 Hours
**CRI:** 85
**Amps:** 0.15A @ 120V, 0.075A @ 240V, 0.065A @ 277V, 1.5A @ 12V, 0.75A @ 24V
**Light Color:** 5,000K
**Beam Type:** 25° Spot or 60° Flood
**Mounting:** Aluminum Trunnion Mount Yoke
**Housing Materials:**Cast Aluminum
**Housing Finish:**Powder coated
**Housing Color:**Black or White
**Lens Materials:**Polycarbonate
**Temp Range:** -40°C to +85°C
**Typical Case Temperature:**~20°C above ambient temperature
**Wiring:** 12" SEOOW Cable

**Quick Summary**

Listed for use in United States and Canada
Waterproof/Vapor Proof
Universal Voltage 120-277V or 11-25V AC/DC
IP65 Ingress Protection
Impact/Vibration Resistant Construction
50,000 Hour LED Life
Impact/Vibration Resistant Construction

**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

**The Larson Electronics LEDBDLT-18W is a low profile dock lighting solution approved for outdoor environments and IP65 waterproof for use**

**in wet locations This powerful LED light produces 1,530 lumens, operates on 120 to 270V AC, features an adjustable trunnion mounting bracket, and is available in a variety of configurations to allow tailoring to the specific requirements of various applications. The LEDBDLT-18W is ideal for mounting as a dock light to provide ample illumination and improved safety for low light dock applications.**

The LEDBDLT-18W is designed to provide a high output and ruggedly durable lighting solution for applications where corrosion resistance and waterproof light fixtures are required. This industrial LED light is offered in a focused 25° spot beam for distance or 60° flood beam for a diffused wide angle beam. An adjustable trunnion mount in the center of the light housing allows for full adjustability after installation, allowing for precise aiming of this LED light. This housing is constructed of precision machined aluminum for excellent strength and durability, powder coated for corrosion resistance, and is rated IP65 for ingress protection against direct exposure to water jets from all directions.

The LEDBDLT-18W provides a cool white light output with a color temperature of 5000K and color rendering index of 85 for maximum illumination. The high output, cool running operation, and good color rendering properties of this light make it an ideal replacement for older, bulkier, and less reliable incandescent and halogen lamps.

**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.



25° SPOT



60° FLOOD

Available in a 25° spot beam or 60° flood beam

**Durability:** The LEDBDLT-18W industrial grade LED light is constructed of machined aluminum for high strength and durability with a powder coated finish for increased corrosion resistance. The housing is IP65 rated, providing protection against intrusion into the housing from oils and water directly sprayed on the housing from all directions. This LED light is equipped with an impact resistant polycarbonate lens for increased safety compared to glass lenses. This design is weather resistant, suitable for indoor or outdoor applications, and ideal for areas where wet conditions are commonly encountered.



Click Photo to Enlarge



Click Photo to Enlarge



Click Photo to Enlarge

**High Output LEDs:** The LEDs in this unit are Cree units that have been chosen for their high lumen per watt ratio and extreme long life. These Cree LEDs provide over 85 lumens per watt effective lumen output and have a 70% lumen retention at 50,000 hours, giving them better efficiency and operational life than traditional light sources. These lights are equipped with high purity optics and available in a 25° spotlight configuration for long beam length or 60° flood configuration for wide area coverage. Utilizing a polycarbonate lens, this fixture produces a higher light output than similar fixtures equipped with thicker glass lenses. The LEDBDLT-18W has is offered in 5,000K cool white with a color rendering index of 85.



Click Photo to Enlarge

**Mounting:** Mounting for this unit is provided by an included aluminum trunnion yoke that allows vertical adjustment of the light once installed. The mounting yoke is predrilled with thru-hole for easy and secure mounting to flat surfaces or pipe mounting. The entire assembly weighs 2 lbs and measures only 2.3" in diameter and approximately 4.75" long, making it ideal for mounting on docks in areas where space is limited and a heavy fixture cannot be installed due to lack of support.
**Wiring/Power:** These LED dock lights are equipped with 12" of SEOOW cable with flying leads. These light are universal voltage capable and can be operated with 100-277V AC, 50/60Hz. We also offer a low voltage version of this LED fixture that operates on low voltage from 11-25 volts AC/DC. This light draws 0.15A at 120V, 0.075A at 240V, 0.065A at 277V, 1.5A at 12V, or 0.75A at 24V.
**Versatility:** The LEDBDLT-18W is listed for use in United States and Canada. The unit carries an IP65 waterproof rating ensuring protection against ingress from oils and water sprayed from any direction on the fixture. This light is ideal for indoor or outdoor applications and industrial operations where wet conditions are commonly encountered.
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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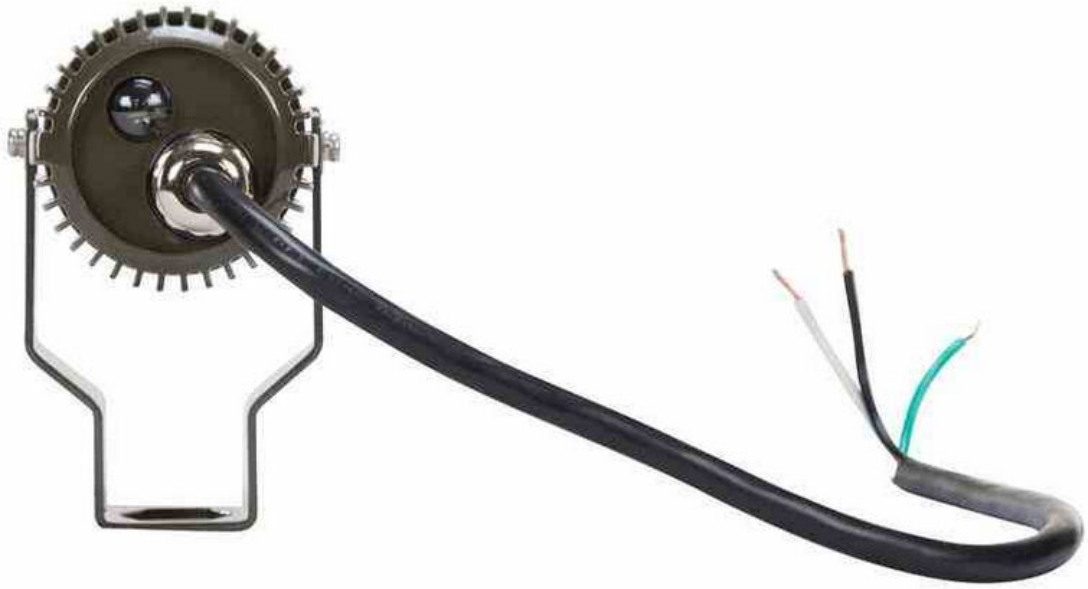

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**LEDBDLT-18W**

**Product ID: 144432**

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

**Options:**

**LEDBDLT-18W-Beam Config-Housing Color-Voltage**

**Example: LEDBDLT-18W-SP-BLK-1227**

| Beam Config | |
|---|---|
| 25° SPOT | -SP |
| 60° FLOOD | -FL |

| Housing Color | |
|---|---|
| BLACK | -BLK |
| WHITE | -WHT |

| Voltage | |
|---|---|
| 120-277V AC | -1227 |
| 11-25V AC/DC | -1224 |

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**