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LEDWL-25W-BL-BLU

25W Blue LED Spotlight - 2,250 Lumens - 9-60V DC - IP67 - Tempered Glass Lens

Product ID: 154263

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.

LEDWL-25W-BL-BLU LED Light
Lamp Type: Blue LED
Dimensions: 6"-H x 3.91"-W x 3.59"-D
Weight: -
Voltage: Universal 9-60V DC
Watts: 25W
Lumens: 2,250
Luminous Efficacy: 90 Lm/W
LED Light Color: Blue
LED Life Expectancy: 50,000 hours
LED Drive: 90%
Lighting Configuration: Combo 10° Spot & 60° Flood
Amps: 2.09 @ 12V DC - 1.05 @ 24V DC
Ambient Operating Temp Range: -40° C to +80°C
Housing Material: Die Cast Aluminum
Lens Material: Tempered Glass Lens
Reflector: Parabolic
Mounting: Adjustable Trunnion Bracket / Stud Mount
Wiring: Deutsch IPD / LADD DT04-2P Connector
Housing Color: Black

Features
Fast Average Current Control
Short Protection w/ Skip Mode
Ambient Op Temp -40C to +85C
Pin-compatible with HV9910B
Visible With High Illuminate Warehouse Lighting

Special Orders - Special Requirements
Contact us for special requirements

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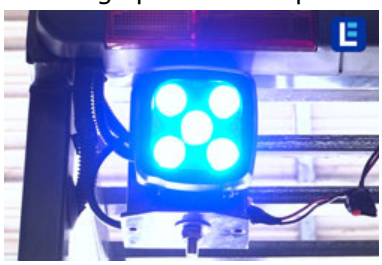
The Larson Electronics LEDWL-25W-BL-BLU Blue LED Spotlight is an ultra

compact LED light for industrial sites. This unit produces 2,250 lumens during use and offers 9-60V compatibility, providing operators with a versatile and powerful lighting solution. Constructed of aluminum, this unit is equipped with a tempered glass lens.

The LEDWL-25W-BL-BLU produces 2,250 lumens of sharp blue light while drawing 2.09 amps from a 12 volt electrical system. Five, 5-watt blue LEDs producing 450 lumens each are combined with a high output parabolic reflector to produce a narrow 5° degree spread spot beam, providing a high intensity center beam which is visible during daytime and nighttime operations. This particular unit is ultra compact at only 6" tall by 3.91" wide by 3.36" deep, which makes it ideal for applications where electrical power and mounting space is at a premium.



Click Photo to Enlarge

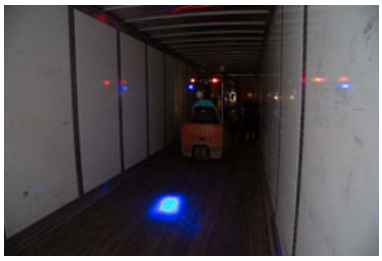


Click Photo to Enlarge

Voltage: The drivers in this unit provide the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LED lights can operate on current ranging from 9 to 60V DC without any modifications necessary as a result. (347-480V AC and 120-277V AC available upon request). This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in electrical systems which would otherwise result in burning up or premature LED failure without it.

Durability: The LEDWL series LED lights Larson Electronics offer IP67 rated construction that is designed to withstand the rigors of demanding of environmental and operating conditions yet are lighter and smaller than our LEDLB-E series of extreme duty light bars. The this series is designed to provide a low profile, light weight, high performance light bar that can be mounted where other lights will not fit. These units can operate in temperatures of -40° Celsius to 80° Celsius, are waterproof to 1 meter and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are tempered glass. The LEDs offer inherent LED resistance to shocks and vibrations contributing to the unit`s 15.6 grms rating of vibration tolerance.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED's core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.



Click Photo to Enlarge

Mounting: The LEDWL-25W-BL-BLU is suspended within a form fitting trunnion (yolk-type) mount. This trunnion mount has two knurled knobs that can be loosened, allowing the LED light to be adjusted and then re-tightened to lock the light into any desired position once mounted. A single stainless steel stud protrudes from the bottom of the mount, enabling the operator to install the light using a simple through-hole mount, allowing the unit to be installed anywhere a 1/2-inch hole can be drilled.
Note: Most Larson Electronics LEDLB, LEDP3W, LEDP10W, LED10W, and LEDP WRE series LED spotlights and floodlights are terminated with a Deutsch IPD / LADD DT04-2P connector. The mating connector plug is DT06-2S. Most LEDLB, LEDP10W 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)









LEDWL-25W-BL-BLU

Product ID: 154263

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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