Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 275602

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.

WAL-TP-2X50E-12.2-100C-1224 Tripod Mounted LED Work Light

Lamp Type: Cree LED
Dimensions: Light Heads: 4.68"L x 4.3"H x 3.5"D, Tripod: 3.5' - 10'
Weight: 15 lb
Voltage: 9-46 V DC
Watts: 100W (50W Per Lamp)
Lumens: 8,600 (4,300 Per Lamp)
Luminous Efficacy: 86 Lm/W
LED Light Color: 6000K
LED Life Expectancy: 50,000+ hours
Optics Efficiency: 90%
Lighting Configuration: 20° Spot or 60° Flood
Amps: 4.17 A @ 12 V DC - 2.9 A @ 24 V DC
Ambient Operating Temp Range: -40°C to +85°C
Waterproof Rating: IP68
Wiring: 100' 12/2 SOOW Cord w/ Choice of Termination
Termination Options: Ring Terminals, Battery Clamps, or Pigtail
Housing Material: Aluminum
Housing Color: Black
Lens Material: Polycarbonate
Beam Length: 525'L
Mounting: 3.5' to 10' Adjustable Aluminum Tripod

Ratings/Approvals

3.5' - 10' Adjustable Tripod Mount
Impact/Vibration Resistance
Shatterproof Lens
Ambient Op Temp -40°C to +85°C
Available with Choice of Cord Terminations
Extremely Durable and Versatile

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 WAL-TP-2X50E-12.2-100C-1224 from Larson Electronics is a Tripod Mounted Dual LED Work Light that offers a portable and convenient source of high-intensity LED light. This tripod mounted worklight produces 4,300 lumens from each LED light head for a total output of 8,600 lumens. This unit is equipped with a low voltage power cord that is detachable for storage and transportation. The WAL-TP-2X50E-12.2-100C-1224 is equipped with 100` of 12/2 SOOW cord terminated in a choice of connection styles.

The WAL-TP-2X50E-12.2-100C-1224 dual LED tripod mounted work light features two of the Larson Electronics LEDP10W-50E LED spotlights. Each LEDP10W-50E LED light from Larson Electronics produces 4300 lumens of bright light while drawing 4.17 amps from a 12 volt electrical system. Five 10 watt LEDs each producing 860 lumens are paired with high purity optics to produce a 20 degree spread spot beam approximately 525` long by 75` in width. We also offer floodlight versions with a 40 degree beam spread to provide more light over a larger area nearer the fixture, making flood versions ideal for use as work lights.

These LED light bars are waterproof to 3 meters, sealed against intrusion by dust and dirt, and very ruggedly constructed to withstand the most demanding environments, conditions and applications. This particular unit is ultra compact with dimensions of 4.68"L x 4.3"H x 3.5"D. An integral Pulse Width Modulation controller, small profile, low power requirements, high durability and versatile mounting system makes these LED light emitters a superior lighting solution for a wide array of applications including but not limited to: military, industrial manufacturing, machine visioning, security and law enforcement, boating, vehicles and commercial structure illumination.

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. 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.

PWM Control: The pulse width modulation drivers in this unit also provide secondary benefits through the ability to tap into a provided input wire with an external pulse generator and adjust the duty cycle of the current being applied to the LEDs. Thus you can connect an external dimmer, switch, or pulse control and adjust the perceived output of the light, effectively causing the light to flash, dim or brighten to the desired levels.

Additionally, this method of controlling light output results in a corresponding drop in amperage draw, so if the duty cycle is cut back to 50% there will be a matching 50% reduction in amperage draw. These units are also able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LEDP10W series light bars can operate on current ranging from 9 to 46VDC without any modifications necessary as a result.

This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in vehicle electrical systems which would otherwise result in burning up or premature LED failure without it.

Durability: As well as unparalleled heat control, the LEDP10W series of LED light bars from Larson Electronics also offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40 degrees Celsius to 85 degrees Celsius, are waterproof to three meters, and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The Cree XLamp MC-E® LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

Wiring: The WAL-TP-2X50E-12.2-100C-1224 is outfitted with 100` of 12/2 SOOW cord. The cord is available with the following termination options: ring terminals, battery clamps, or pigtail. Please make your selection when ordering.

Mounting: This particular unit is equipped with an adjustable aluminum tripod that can reach heights up to 10 feet and be lowered to 3.5 feet for applications where a lower height is required or for storage and transportation. The heavy duty aluminum tripod is durable, lightweight and adjustable to any length between 3.5 feet and 10 feet. A single mounting bracket holds the dual LED light heads and allows them to be adjusted and aimed horizontally and vertically. This adjustability allows users to expand the area covered or to focus more intense coverage on a smaller area. The tripod legs can be collapsed and the light head bracket removed with the light still on it for simple portability and deployment. The heavy duty construction of this tripod and the light weight of the LED fixture results in a portable yet very stable lighting platform that will hold its position, even in very windy conditions.

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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs



Image:

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image:



Image:

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image:

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Product ID: 275602

Export Control Classification Number (ECCN): EAR99

Options:

-Cord Cap-Beam Pattern-Housing Color
Example: -RT-SP-BLK

Cord Cap	
RING TERMINALS	-RT
BATTERY CLAMPS	-BC
PIGTAIL	-PIGTAIL

Beam Pattern	
SPOT	-SP
FLOOD	-FL

Housing Color	
BLACK	-BLK
WHITE	-WHT

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/275602.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/275602.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/275602.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/275602.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/275602.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/275602.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/275602.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/275602.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/275602.JPG)
- **HigResPic9**(https://www.larsonelectronics.com//images/product/HigResPic9/275602.JPG)
- **Video1**(https://www.youtube.com/watch?v=74ZkgqBehEk)
- **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)