

LED10W-2S-VIR

Compact Visible / Infrared Combination LED Light - Stud Mount - 9-48V

Product ID: 68991

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.

LED10W-2S-VIR LED Light

Lamp Type: Visible/Infrared Combination LED

Dimensions: 4 "W 3.2"-H 2.5"-Depth

Watts: 13

Led Drive %: 80%

Voltage: 9-48 VDC

Lighting Configuration: 10° Spot or 35° Flood

Mounting: Adjustable U-Bracket

Wiring: Deutsch IPD / LADD DT04-2P connector

Amps: 1.08 Amps (on 12 volts)

Lumens: 900 (Visible portion)

LED Light Color: 6000K + IR (750NM / 850NM / 940NM)

LED Life Expectancy: 50,000 hours

Optics Efficiency: 90%

Materials: Aluminum Housing, Polycarbonate Lens

Weight: 26 Ounces

Housing Colors: Black or White

LED10W-2S Features

Seoul Z-Power® LED

Low Amp Draw

Small Size

50,000 Hour Service Life

Shock Vibration Resistant

Op Temp -45C to 80C

Multi-Unit Connectable

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

CE Certified

EN55015 EMI

EN61547 EMS

EN62471 Photobiological Safety

3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

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The LED10W-2S-VIR LED Light is ideal for a wide variety of uses including equipment, vehicle, military, law enforcement and industrial manufacturing applications. This ultra compact LED light produces a combination visible and infrared light output with low voltage and amp draw, 50,000 hour service life and 9 to 48 volt compatibility, providing operators with a versatile and powerful LED lighting solution.

The LED10W-2S-VIR LED light emitter from Larson Electronics produces a dual visible/infrared light output while drawing only 13 watts @ 1.08 amps from a 12 volt electrical system. One Seoul Z-Power® 10 watt LED producing 900 lumens is mated with one infrared emitter producing an IR beam in the 750NM, 850NM or 940NM wavelength are combined with high purity optics to produce a 10 degree spread spot beam. We also offer floodlight versions with a 35 degree beam spread to provide more light over a larger area nearer the fixture, making flood versions ideal for use as work lights. This particular unit is ultra compact at only 4 inches wide by 3.2 inches tall, by 2.5 inches deep, which makes it ideal for applications where electrical power and mounting space is at a premium.

Another unique feature of this LED light is that the side brackets enable the operator to connect multiple units together. Thus, operators can combine any number of units to achieve the power and dimensions required for most any application. The LED10W series LED lights 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. A small profile, low power requirements, high durability and versatile mounting makes these LED lights ideal for a wide array of applications including but not limited to: military, industrial manufacturing, machine visioning, security and law enforcement, boating, offroading and commercial structure illumination.

Power: Two separate power connections are provided, including one that powers the infrared LED and one that powers the visible LED. Thus, the visible LED can be connected to a MRAP or MATV blackout system, enabling the visible light to be turned off when the operator goes into covert mode. One 10 watt is dedicated to visible lighting, while the other 3 watt LED is dedicated to infrared lighting. The infrared portion of this LED light can be configured with 750Nm, 850nm or 940nm wavelength IR LEDs.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Cree XLamp® Emitters. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.

Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LED10W series LED lights can operate on current ranging from 9 to 48VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and stand alone applications such as those found on commercial boats, heavy equipment and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

Durability: The LED10W 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 frigid temperatures, 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 Seoul Z-Power® LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.

Mounting: Suspended on top of adjustable u-brackets, this LED light can be adjusted and tightened into any position to suit your application. A single stud protrudes from the bottom of each u-bracket mount, enabling the operator to install the light using a simple through hole mount. In other words, the light can be installed anywhere a 1/4 inch hole can be drilled.

Note: Most Larson Electronics LEDLB, LEDP3W, LEDP10W, and LED10W 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.

LEDP10W-2S-VIR35° Flood Beam (Opt)



LEDP10W-2S-VIR10° Wide Spot Beam (Std)





Frequently Asked Questions (FAQ)

LED10W-2S-VIR

Product ID: 68991

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LED10W-2S-VIR-Finish-Beam Config-Wavelength

Example: LED10W-2S-VIR-Black-Spot-750

Finish	
BLACK	-Black
WHITE	-White

Beam Config	
SPOT	-Spot
FLOOD	-Flood

Wavelength	
750NM	-750
850NM	-850
940NM	-940

Links (Click on the below items to view):

- [CE Certificate](#)
- [Dimensional Drawing 2D](#)
- [Eye Safety Information/Certificate](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [STEP File \(3D CAD Model\)](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)