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LED10W-9S

90 Watt LED light Produces 8100 lumens – Permanent Mount – 2400' X 140' spot or 1500' X 250' flood

Product ID: 46371

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-9S LED Light
Lamp Type: Seoul Z-Power LED
Dimensions: 5.5 "W 5.5"-H 4.5"-Depth
Watts: 90
Led Drive %: 80%
Voltage: 9-48 VDC
Spot Beam: 2400`L x 140`W
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Stud Bracket
Wiring: 6" cord with Deutsch Connector - 20` SEOOW Harness
Amps: 7.5 (on 12 volts)
Lumens: 8100
LED Light Color: 6000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Weight: 8 Lbs
Housing Colors: Black or White

LED10W-9S Features
Seoul Z-Power LED
Low Amp Draw
Small Size
50,000 Hour Service Life
Shock Vibration Resistant
Ambient Op Temp -45C to 85C
Powder Coat Aluminum Body
CE Certified

Special Orders - Special Requirements
Contact us for special requirements
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Buy American Compliant
The LED10W-9S LED Light is ideal for a wide variety of uses including

equipment, vehicle, military, law enforcement and industrial manufacturing applications. This heavy duty and compact LED light produces a 8100 lumen output with low voltage and amp draw, 50,000 hour service life and 9 to 48 volt compatibility. This unit includes a versatile mounting system that provides vertical adjustment and secure permanent attachment to vehicles, equipment and any surface which will accommodate a 3/8 inch mounting hole.

The LED10W-9S LED light emitter from Larson Electronics produces 8100 lumens of bright light while drawing only 90 watts @7.5 amps from a 12 volt electrical system. Nine Seoul Z-Power 10 watt LEDs producing 900 lumens each are combined with high purity optics to produce a 10 degree spread spot beam approximately 2400' long by 140' in width. 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 unit is IP68 rate waterproof to 3 meters, sealed against ingress of dust and dirt and ideal for use in industrial, commercial and private applications.

This photo shows a long dark street with no illumination but distant suburban lighting.

Click Photo to Enlarge

This image shows the LED10W-9S illuminating the street.

Click Photo to Enlarge

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 Seoul Z-Power 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 50VDC 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 demanding environmental and operating conditions. These units can withstand frigid temperatures, are waterproof to three meters and resist ingress of dust, dirt and humidity. The housing on this unit is formed from cast 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. This unit`s LEDs are packaged in individual reflectors with changeable lenses.

Mounting: 3/8 inch stud mount with adjustable bracket that enables the operator to set the angle. 6 integrated shock isolating bushings stabilize the beam and protect the LED light fixture from shocks and vibration.

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-9S 35° Flood Beam (Opt)



LEDP10W-9S 10° Wide Spot Beam (Stnd)



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Frequently Asked Questions (FAQ)

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LED10W-9S

Product ID: 46371

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

Options:

LED10W-9S-Finish-Beam Pattern

Example: LED10W-9S-BLK-SP

Finish	
BLACK	-BLK
WHITE	-WHT

Beam Pattern	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **Operations Manual**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**