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MUL-15-4V

12W Handheld LED Light with Magnetic Base - 4 LEDs - 90'L X 70'W Beam - 12-24 Volts DC

Product ID: 2014

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.

MUL-15-4V LED Light Bar

Lamp Technology: 4 Edixeon® 3 Watt LED Emitters
Dimensions: 4"-L 3"-H 3.56"-D
Weight: -
Voltage: 9-42V DC
Total Watts: 12W
Lumens: 720
Lux-Flood: @Lens: 185,800 @ 1 Meter 2,672
Lux-Spot: @Lens: 190,400 @ 1 Meter 8,440
Luminous Efficacy: -
Expected Lamp Life: 50,000+ Hours
Color Temperature: 6000K or 3000K
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: 10° Spot or 35° Flood
Lighting Configuration: Spot or Flood Pattern
Spot Beam: 90`L x 70`W
Flood Beam: 70` L x 60`W
Optics Efficiency: 90%
Power Factor: -
Amps: 1A @ 12V, 0.5A @ 24V
Ambient Operating Temp Range: -

Features

Edixeon® 3 Watt LED Emitters
LEDs Driven At 80%
-40 C~ +80C Operating Temp Range
RoHS Compliant
70% Lumen Retention @ 65,000 Hours
LED Chip Op Temp -40C to +125C
IP68 Rated Waterproof to 3 meters

Housing Material: Aluminum
Housing Finish: -
Lens Material: Polycarbonate
Mounting: Magnetic Mount
Wiring: 12ft Coil Cord with Cigarette Plug
Housing Colors: Black or White

Special Orders - Special Requirements
Contact us for special requirements

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The Larson Electronics MUL-15-4V Handheld LED Light Bar offers high light output and good durability combined with a versatile finger grip handle and magnetic base. This LED light bar is waterproof to 1 meter and produces 720 lumens while drawing only 12 watts of power @1 amp from a 12 volt electrical system. This light can run on any voltage from 9 to 42 volts and provides a rugged and compact lighting solution that is ideal for use in marine environments as well as commercial applications such as machine vision system lighting, heavy equipment illumination, vehicle lighting and law enforcement.
The MUL-15-4V LED light bar from Larson Electronics produces a 90` long by 70` wide light beam with 720 lumens of bright light. Four Edison Edixeon® Emitters containing CREE EZBright® three watt LEDs producing 180 lumens each are arranged in rows and paired with high purity 10 degree optics to produce a tightly focused spot beam with limited spread or light spillage. We also offer optional floodlight versions with 35 degree optics to produce a wider beam spread and more light over a larger area nearer the fixture, making flood versions ideal for use as work and area lights.
This particular unit comes standard with a 100lbs grip magnetic base attached to a handle which is then attached to the LED10W fixture for quick and easy installation. A 12ft Deutsch connector coil cord ending in a cigarette plug adapter is also included which makes it ideal for mobile applications.

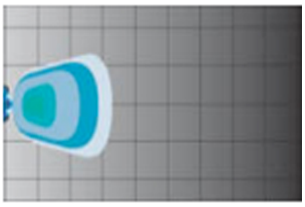
This image shows a dark street, illuminated by nothing but distant street lamps and suburban lighting.
Click Photo to Enlarge

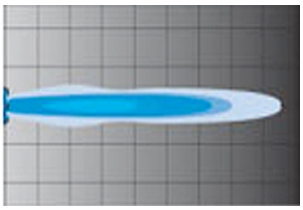
The same street illuminated with the MUL-15-4V, easily reaching distances of 90` in length and 70` in width.
Click Photo to Enlarge

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 fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Edison Edixeon® 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 adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LEDLB series light bars can operate on current ranging from 9 to 42V DC 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.

MUL-15-4V 35° Flood Beam (Opt)

MUL-15-4V 10° Spot Beam (Stnd)





Durability: The LEDLB-E series of LED light bars from Larson Electronics offers IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. The LED lights with the 'E' part number designation are designed for extreme durability and are larger and nearly twice as heavy as their standard counterparts. 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 thick extruded aluminum and the lenses are unbreakable polycarbonate. The Edixeon® LEDs offer inherent LED resistance to shocks and vibrations contributing to these units 15.6Grms rating of vibration tolerance. We recommend these LED lights for high stress - high vibratory conditions, high humidity climates, very cold areas and rough saltwater conditions. They are also well suited to environments where equipment is used in one temperature extreme and stored in another temperature extreme.

Mounting: Suspended on top of an adjustable tension hinge, this LED light can be adjusted and tightened into any position to suit your application. This particular unit comes standard with a handle that contains a single 100 lbs grip magnet, allowing users to quickly and easily install and position this light, then remove it and install it in another location or on another vessel or vehicle as needed. A 12ft coil cord with cigarette plug connector is included to maximize the portability of this unit.

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 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)

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MUL-15-4V

Product ID: 2014

Harmonized System (HS) Code: 8512.20.2080
Export Control Classification Number (ECCN): EAR99

Options:

MUL-15-4V-Color-Beam Config

Example: MUL-15-4V-BLK-SP

Color	
BLACK	-BLK
WHITE	-WHT

Beam Config	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **Operations Manual**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**