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MUL-LED10W-16

10 Watt LED Light w/ Magnetic Base - 16ft. Coil Cord - Handle

Product ID: 46803

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-LED10W-16CP LED Light

Lamp Type: Seoul Z-Power LED
Dimensions: 2"W 8.5"-H 2.5"-Depth
Watts: 10
Led Drive %: 80%
Voltage: 9-48 VDC
Lighting Configuration: 10° Spot or 35° Flood
Mounting: 100lbs Grip magnetic base and handle
Wiring: 16ft cord - Cigarette plug, battery clamps, or ring terminals
Amps: 1/4 (on 12 volts)
Lumens: 900
LED Light Color: 6000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Weight: 1lb 8oz
Housing Colors: Black
Spot Beam: 225`L x 25`W
Flood Beam: 45`L x 40`W

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

MUL-LED10W-16CP Features

Seoul Z-Power LED
Low Amp Draw
Small Size
50,000 Hour Service Life
Shock Vibration Resistant
Ambient Op Temp -45C to 85C
100lbs grip magnetic base
Multi-Unit Connectable
CE Certified
EN55015 EMI
EN61547 EMS
EN62471 Photobiological Safety

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
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via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

Buy American Compliant

The MUL-LED10W-16CP LED Light is ideal for marine use and a wide variety of applications including equipment, vehicle, military, law enforcement and industrial manufacturing applications. This ultra compact LED light produces a 900 lumen light output with low voltage and amp draw, has a 50,000 hour service life and 9 to 48 volt compatibility, and provides operators with a versatile and powerful LED lighting solution.

The MUL-LED10W-16CP LED light emitter from Larson Electronics produces 900 lumens of bright light while drawing only 10 watts @1/4 amp from a 12 volt electrical system. A single Seoul Z-Power 10 watt LED producing 900 lumens is combined with high purity optics to produce a 10 degree spread spot beam approximately 250’ long by 40’ 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 particular unit is ultra compact at only 2 inches wide, by 2 inches tall, by 2.5 inches deep and comes standard with a 100lb magnetic base attached to a handle which is then attached to the LED10W fixture for quick and easy installation. A 16 ft Deutch connector coil cord ending in a cigarette plug adapter is also included which makes it ideal for mobile applications.

Another unique feature of this LED light is that the side brackets allow 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. This LED10W series LED light is 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 marine applications as well as military, industrial manufacturing, machine visioning, security and law enforcement and commercial structure illumination.



Open field illuminated by ambient light at 9:00 pm.

Click Photo to Enlarge



TMUL-LED10W-16CP, reaches object 280` in the distance.

Click Photo to Enlarge



The MUL-LED10W-16CP in flood configuration.

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 lights 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 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 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, the mounting hardware is stainless steel 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 an adjustable u-bracket, this LED light can be adjusted and tightened into any position to suit your application. A single stud protrudes from the bottom of the 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. This particular unit comes standard with a handle that contains a single 100lbs 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 as needed. A 16ft cord is included to maximize the portability of this unit and is terminated in a cigarette plug, battery clamps, or ring terminals.
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. This light comes with a 16ft coil cord is to maximize the portability of this unit.

MUL-LED10W-16CP 35° Flood Beam (Opt)



MUL-LED10W-16CP 10° Wide Spot Beam (Stnd)



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Frequently Asked Questions (FAQ)

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MUL-LED10W-16

Product ID: 46803

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

MUL-LED10W-16-Cord-Beam Config

Example: MUL-LED10W-16-CP-S

Cord	
CIGARETTE PLUG	-CP
BATTERY CLAMPS	-BC
RING TERMINALS	-RT

Beam Config	
SPOT	-S
FLOOD	-F

Links (Click on the below items to view):

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