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LED10W-4R

LED Light Emitter Bar - 4 X 10 WATT LEDs - Aluminum Housing - 3200 Lumens - 500'L X 50'W Spot Beam

Product ID: 2004

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-4R LED Light Bar

LEDs: 4 Seoul Z-Power 10 Watt LED Emitters
Dimensions: 6"-L 3.13"-W 4.13"-H
Watts: 40
Voltage: 9-50 VDC
Spot Beam:500`L x 50`W
Weight: 3.1 Lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Adjustable Trunnion
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 3.3 (on 12 volts) 1.5 (on 24 volts)
Lumens: 3600
LED Light Color: 6300K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White

LED10W-4R LED Features

Seoul Z-Power LED Emitters
LEDs Driven At 80%
-40 C~ +80C Operating Temp Range
70% Lumen Retention @65,000 hours
IP68 Rated Waterproof to 3 meters
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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Buy American Compliant

The Larson Electronics LED10W-4R LED Light Emitter offers high light

output in a light weight, durable, compact 4" square unit combined with versatile mounting and power options. This IP68 rated LED light is waterproof to three meters and produces 3600 lumens while drawing only 40 watts of power @3.3 amps from a 12 volt electrical system. This light can run on any voltage from 9 to 50 volts and provides a rugged lighting solution that is ideal for use in industrial and commercial applications such as machine vision system lighting, security illumination and vehicle lighting.

The LED10W-4R LED light emitter from Larson Electronics produces a 500` long by 50` wide light beam with 3,600 lumens of bright light while drawing only 40 watts @3.3 amps from a 12 volt electrical system. Four Seoul Z-Power 10 watt LEDs producing 900 lumens each are 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 that is ideal for work and area lighting applications. These LED light emitters are IP68 rated and waterproof to three meters, sealed against intrusion by dust and dirt and ruggedly constructed to withstand demanding environments and conditions. These units incorporate a yolk type trunnion mount fitted with a single mounting stud that allows full adjustability and simple mounting.

Dark street with no illumination aside from distant suburban lighting.
Click Photo to Enlarge

LED10W-4R illuminating the street, easily reaching objects up to 500 feet away
Click Photo to Enlarge

LED10W Spotlight
Click Photo to Enlarge

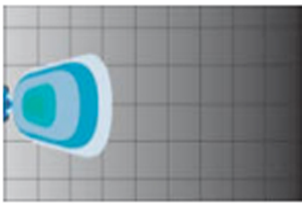
LED10W Floodlight
Click Photo to Enlarge

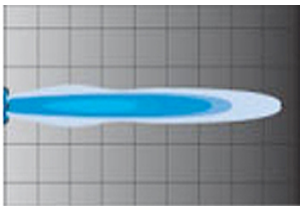
Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED boat lights utilize an extruded aluminum housing that incorporates an advanced heat radiating fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Seoul Z-Power LEDs. 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 ranging from 9 to 50 VDC. These LEDLB series light bars can operate on current ranging from 9 to 50 VDC 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 boats, heavy equipment and vehicles where power systems don't always operate with 12 volts and external generators, transformers or inverters are impractical.

LED10W-4R 35° Flood Beam (Opt)

LED10W-4R 10° Spot Beam (Stnd)





Durability: The LED10W-4R LED light from Larson Electronics offers IP68 rated construction that is designed to withstand tough environmental and operating conditions. These units can operate in temperatures ranging from -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 die cast aluminum, the hardware is stainless steel and the lenses are unbreakable polycarbonate. The Seoul Z-Power LEDs offer inherent LED resistance to shocks and vibrations, contributing to these units 15.6Grms rating of vibration tolerance. These LED10W series light bars are ideal for use in industrial and commercial settings as well as on vehicles and watercraft..

Mounting: These LED10W LED light bars feature a smaller profile and lighter weight than our LEDLB-E extreme series lights, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. The LED10W-4R is suspended within a form fitting trunnion (yolk-type) mount. This trunnion mount has two knurled knobs that can be loosened, allowing the LED light to be adjusted and re-tightened to lock the light into any desired position once mounted. A single stainless steel stud protrudes from the bottom of the mount, enabling the operator to install the light using a simple through-hole mount, allowing the unit to be installed anywhere a 1/2-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 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.

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Frequently Asked Questions (FAQ)









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LED10W-4R

Product ID: 2004

Warranty: 36 Months

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

Options:

LED10W-4R-Finish-Beam Pattern

Example: LED10W-4R-BLK-SP

Finish	
BLACK	-BLK
WHITE	-WHT

Beam Pattern	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **HigResPic9**
- **HigResPic10**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**