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LED10W-6R

LED Light - 60 watts - 6 X 10 Watt - 5400 Lumens - 6 inch round - Stud Mount

Product ID: 1968



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-6R LED Light Bar
LEDs: 6 Seoul Z-Power 10 Watt LED Emitters
Dimensions: 6"-Diam 1.5"-Depth
Watts: 60
Voltage: 9-48 VDC
Spot Beam: 675`L x 90`W
Weight: 4 Lbs
Lighting Configuration: 10° Spot or 35° Flood
Mounting: Adjustable Trunnion
Wiring: Deutsch IPD / LADD DT04-2P connector with leads
Amps: 6 (on 12 volts) 3 (on 24 volts)
Lumens: 5400
LED Light Color: 6300K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Housing Colors: Black or White

LED10W-6R 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

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The Larson Electronics LED10W-6R LED Light Emitter offers high light output in a light weight, durable, compact unit combined with versatile mounting and power options. This IP68 rated LED light is waterproof to three meters and produces 5400 lumens while drawing only 60 watts of power @6 amps from a 12 volt electrical system. This light can run on any voltage from 9 to 48 volts and provides a rugged lighting solution that is ideal for use in professional and military applications as well as marine and commercial

environments.

The LED10W-6R LED light emitter from Larson Electronics produces a 675` long by 90` wide light beam with 5,400 lumens of bright light while drawing only 60 watts @6 amps from a 12 volt electrical system. Six 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 approximately 270 foot long by 240 foot wide. Originally designed to military specifications, 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.



Click Photo to Enlarge



Click Photo to Enlarge



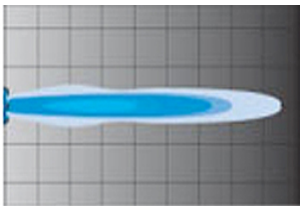
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Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED boat lights utilize an extruded aluminum 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-6R 35° Flood Beam (Opt)

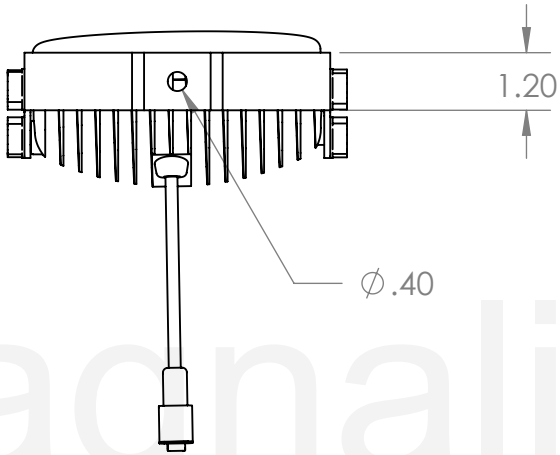


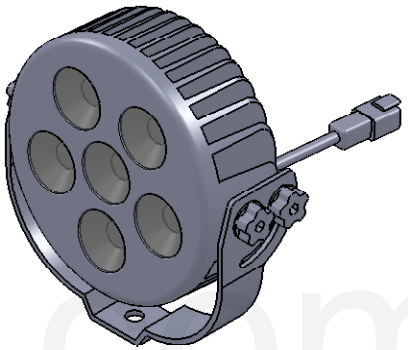
LED10W-6R 10° Spot Beam (Stnd)



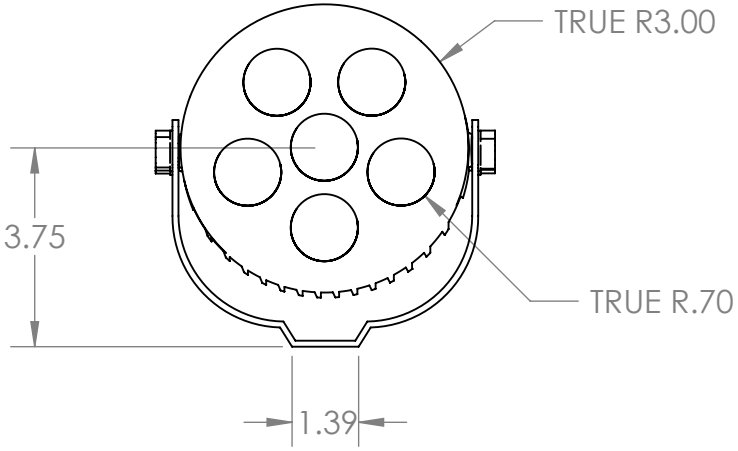
Durability: The LED10W-6R LED light from Larson Electronics offers IP68 rated construction that is designed to withstand tough environmental and operating conditions. These units can operate in temperatures ranging from -40 degrees Celsius to 85 degrees Celsius, are waterproof to three meters and resist 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 series lights, making them ideal for use in locations

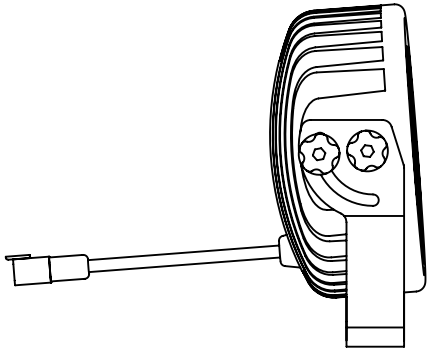
where traditional lights cannot fit or would block other mounted equipment. The LED10W-6R is suspended within a form fitting trunnion (yolk-type) mount. This trunnion mount has two knurled knobs that can be loosened, allowing the LED light to be adjusted and the retightened to lock the light into any 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. Magnet mount models typically come with 20ft harness with cigarette adapter, while permanent mount lights will get the mating 2-pin connector with flying leads - unless otherwise specified on a particular sku. 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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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN		
			CHECKED		
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
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TITLE:

LED10W-6R

SIZE	DWG. NO.	REV
A	LED10W-6R	A

SCALE: 1:4 | WEIGHT: | SHEET 1 OF 1

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Frequently Asked Questions (FAQ)