

LED10W-6R-IR

Infrared LED Light - 60 watts - 400 yards distance - stud mount - 850nm/940nm avail.

Product ID: 1969

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.

Compact, high powered LED emitter light projecting a non-visible infrared beam 1200 feet long and 75 feet wide. The LED light includes 6 of our high powered 10 Watt LED emitters potted into an aircraft grade aluminum chassis that is designed to protect the LEDs and dissipate heat. The heat sink fin array at the back of the unit is lightweight, durable and extremely effective at dissipating the heat generated from the LED arrays. Even after running for a full hour, the lenses are only mildly warm. We offer this LED light fixture in 850 nm and 940 nm wavelengths. **NIGHT VISION EQUIPMENT REQUIRED.**

Suspended within a form fitting trunnion (yolk-type) mount, this LED light can be adjusted and locked into any position to suit your application. A single stud protrudes from the bottom of the mount, enabling the operator to install the light using a simple through hole mount. In other words, the light can be installed anywhere a half-inch hole can be drilled .

As shown in the pictures below, this LED light produces a wide spot beam, measuring 400 yards long and 75 feet wide. The first picture has the light with a bit more focus on the street itself to show the intensity of the beam. We elevated the beam slightly for the second shot to illustrate the width of the beam. There are no street lights on this road and the pictures were taken around 4:30 AM on a cloudy night. (OBVIOUSLY, INFRARED LIGHT CANNOT BE

SEEN WITH THE NAKED EYE. WE PROVIDE THESE PICTURES AS A GUIDE.)

The LED10W-6R is equipped with 10 watt LED technology, with each 10 watt LED . This 6" round off road lamp drawing less than 3 amps due to advanced electronic drivers which are also responsible for their 50,000 hour life span and variable 9-60 input.

Rugged die-cast aluminum housing provides optimum durability and heat dissipation. IP68 ingress protection rated housing makes them impenetrable to dust and submersible under water up to 3 meters. The unbreakable polycarbonate lenses are housed by a 6061 aluminum face plate which doubles as a radiant heat sink to melt away snow and ice in frigid conditions. The stainless steel mounting bracket features knurled aiming knobs for 90 degrees of adjustment and is centered on the profile of the lights which provides a slim 1.5" mounting depth. These LED lights are certified to 6G RMS with vibration tests to ensure performance in high impact conditions.

Dimensions: 6 inches outer diameter. 1.5 inches depth.

Weight: 4 pounds.

Voltage: multi-voltage unit operates on inputs ranging from 9 to 60 volts DC.

Warranty: 3 years

Most Larson Electronics LEDLB 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. You can review the technical details [here](#). 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.

3 year warranty replacement on this LED light (or LED bulbs for light fixtures with removable LED bulbs). 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 via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

CE CERTIFIED

Frequently Asked Questions (FAQ)

LED10W-6R-IR

Product ID: 1969

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LED10W-6R-IR-Color-IR Wavelength

Example: LED10W-6R-IR-Black-850nm

Color		IR Wavelength	
BLACK	-Black	850NM	-850nm
WHITE	-White	940NM	-940nm

Links (Click on the below items to view):

- [Eye Safety Information/Certificate](#)
- [Spectrum Curve \(Wavelength Graph\)](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)