Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LED10W-4R-IR-2P

Combination Infrared and Visible LED Light with Dual Power Input

Product ID: 48768

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.

This compact, high powered LED emitter light produces 2 distinct light output types. The top two LEDs are based on a 3 watt IR packages, which are available in 750nm, 850nm or 940nm. The range of the IR lighting, with appropriate night vision equipment will exceed 1000 feet. The bottom 2 LEDs are based on 10 watt LED packages, producing 1600 lumens and projecting a bright, white beam 300 feet long and 50 feet wide. The total wattage draw of the entire light fixture is 26 watts (20W visible and 6W IR). This 4 inch square LED light fixture produces 1600 Lumens (150 watt halogen equivalent) of visible light and 6 watts of infrared light, while drawing just over 2 amps due to advanced electronic drivers which are also responsible for their 50,000 hour life span and variable 9-48 Volt DC input.
The LEDs emitter is potted into an aircraft grade aluminum chassis that is designed to protect the LEDs and dissipate heat with an integrated heat sink fin array at the back of the unit. Even after running for a full hour, the lenses are only mildly warm. The housing is suspended within a form fitting trunnion (yolk-type) mount, this LED light can be adjusted and locked into any position to suit the application. A single stud protrudes from the bottom of the mount, enabling the operator to install the light using a simple through hole mount. The light can be installed anywhere a half-inch hole can be drilled.

The IP68 ingress protection rated housing makes them impenetrable to dust and submersible under water up to 3 meters. The 97% optically clear polycarbonate lenses are secured 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.

Spot Beam Optics Angle: 10 degrees (create a narrower, longer, distance oriented beam)
Flood Beam Optics Angle: 35 degrees (creates a shorter, wider, diffused beam)
Each LED can be configured for spot or flood output prior to shipping.

BUY AMERICAN COMPLIANT

Dimensions: 5.67 X 4.13 X 3.13 (inches)
Weight: 3.1 pounds.
Voltage: Multi-voltage unit operates on inputs ranging from 9 to 50 volts DC.
3 Year Limited Warranty
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
EN55015 EMI
EN61547 EMS
EN62471 Photobiological Safety
MILSPEC Rated
Approved for Australian Military Use

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Frequently Asked Questions (FAQ)









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Product ID: 48768

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

Options:

LED10W-4R-IR-2P-Wavelength-Housing Color-Beam Type

Example: LED10W-4R-IR-2P-750NM-BLK-SP

Wavelength	
750NM	-750NM
850NM	-850NM
940NM	-940NM

Housing Color	
BLACK	-BLK
WHITE	-WHT

Beam Type	
SPOT	-SP
FLOOD	-FL

Links (Click on the below items to view):

- CE Certificate
- Dimensional Drawing 2D
- Eye Safety Information/Certificate
- MSDS (Material Safety Data Sheet
- Operations Manual
- RoHS Certificate (Restriction of Hazardous Substances)
- Spectrum Curve (Wavelength Graph)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- Video2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map