Larson Electronics LLC
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LED1X10WRE-1S-FLGP-DNS

LED Flag Pole Spot Light w/ Inetgrated Photocell - 10 Watt LED - 110/277VAC - 127-431V DC - 50/60Hz

Product ID: 72909

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: LED1X10WRE-1S-FLGP-DNS

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.

LED1X10WRE-1S-FLGP-DNS LED Light

Lamp Type: CREE Xlamp XM-L®
Dimensions: 3 "W 4.5"-H 3.8"-Depth
Watts: 10
Led Drive %: 90%
Voltage: 110-277 V AC and 127-431V DC
Lighting Configuration: 10° Spot, 20° Wide Spot, or 60° Flood
Mounting: Adjustable U-Bracket
Wiring: Deutsch IPD / LADD DT04-2P connector
Amps: 0.08A @ 120V AC
Lumens: 860
LED Light Color: 6000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Weight: 2 lbs
Housing Colors: Black or White

LED1X10WRE-1S-FLGP-DNS Features

Seoul Z-Power® LEDs
Low Amp Draw
Small Size
50,000 Hour Service Life
Shock Vibration Resistant
Ambient Op Temp -45C to 85C
Day/Night Photocell
CE Certified
EN55015 EMI
EN61547 EMS
EN62471 Photobiological Safety

Special Orders- Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

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 via email to the customer. When the failed light is returned, Larson Electronics will ship a new replacement.

Buy American Compliant

The LED1X10WRE-1S-FLGP-DNS Light is ideal for a flag poles and flag lighting. This ultra compact LED light produces a 860 lumen output with low amp draw, 50,000 hour service life, and comes with an integrated photocell.

The LED1X10WRE-1S-FLGP-DNS flag pole light emitter from Larson Electronics produces 860 lumens of bright light while drawing less than 1 amp on 110/277VAC and 127-431V DC electrical system. A single CREE XLamp MC-E® 10 watt LED producing 860 lumens is combined with high purity optics to produce a wide 60° flood beam reaching 250` in lenght and 288` in width. We also offer a 10° spread spot beam approximately 700’ long by 120’ in width and a 20° spot reaching 450` in length and 155` in width. This particular unit is ultra compact at only 3" wide by 4.5" tall with mounting bracket by 3.8" deep, which makes it ideal for applications where electrical power and mounting space is at a premium.

The LEDP WRE series LED lights are 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 a wide array of applications including but not limited to: military, industrial manufacturing, machine visioning, security and law enforcement, boating, offroading and commercial structure illumination.



This photo shows an open field illuminated only by ambient light at approximately 9:00 PM.

Click Photo to Enlarge



This photo shows the wide spot configuration, illuminating that field. The beam reaches the object in the distance positioned at 250 feet.

Click Photo to Enlarge



This particular photo shows the flood configuration. Notice a more abundant amount of light, closer to the fixture.

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 light bars 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 CREE XLamp MC-E® 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 monitor and 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 110-277VAC and 127-431V DC@47/63 hz without any modifications necessary as a result.

Photocell: The day/night detecting sensor that automatically turns on an flag pole LED light when the level of daylight drops. This phoocell can detect ambient lighting and tell whether it is night or day outside. The sensor is also equipped with a test shield, allowing operators to override the sensor to ensure its functioning properly.

Durability: The LEDP WRE 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 and the lenses are unbreakable polycarbonate. The CREE XLamp® 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 3/8" hole can be drilled.

60° Flood Beam (Stnd)



10° Wide Spot Beam (Opt)



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Frequently Asked Questions (FAQ)

There are no Faqs

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LED1X10WRE-1S-FLGP-DNS

Product ID: 72909

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

Options:

LED1X10WRE-1S-FLGP-DNS-Beam Config
Example: LED1X10WRE-1S-FLGP-DNS-SP

Beam Config	
10° SPOT	-SP
20° WIDE SPOT	-WS
60° FLOOD	-FL

Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/72909.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/72909.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/72909.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/72909.JPG)
- **HigResPic3**(https://www.larsonelectronics.com/images/product/HigResPic3/72909.JPG)
- **HigResPic4**(https://www.larsonelectronics.com/images/product/HigResPic4/72909.JPG)
- **HigResPic5**(https://www.larsonelectronics.com/images/product/HigResPic5/72909.JPG)
- **HigResPic6**(https://www.larsonelectronics.com/images/product/HigResPic6/72909.JPG)
- **HigResPic7**(https://www.larsonelectronics.com/images/product/HigResPic7/72909.JPG)
- **HigResPic8**(https://www.larsonelectronics.com/images/product/HigResPic8/72909.JPG)
- **HigResPic9**(https://www.larsonelectronics.com/images/product/HigResPic9/72909.JPG)
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- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)