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LED25WRE-1S-FLGP-DNS

LED Flag Pole Spot Light w/ Integrated Photocell - 25 Watt LED - 12-32V DC

Product ID: 272370

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.

LED25WRE-1S-FLGP-DNS LED Light

Lamp Technology: CREE LED
Dimensions: -
Weight: -
Voltage: 12-32V DC
Watts: 25W
Lumens: 2,750 lms
Luminous Efficacy: -
Lamp Life Expectancy: 50,000+ Hours
Color Temperature: 6000K
CRI: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Type: Combination 10° Spot & 60° Flood
Beam Distance: 1,000 Feet
LED Drive: 90%
Power Factor: -
Amps: -
Ambient Operating Temp Range:-
Materials: Aluminum Housing, Polycarbonate Lens

Ratings/Features

Fast Average Current Control
Programmable Off-time Switching
Linear Dimming Input
Short Protection w/ Skip Mode
CE Certified
Day/Night Photocell

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Finish: -

Mounting: Adjustable Bracket

Wiring: Deutsch IPD / LADD DT04-2P connector

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The Larson Electronics LED25WRE-1S-FLGP-DNS Flag Pole Spot Light with Integrated Photocell is ideal for flag poles and flag lighting. This ultra compact LED light produces 2,750 lumens of output with low voltage and amp draw. Compatible with 12-32V DC, this unit is equipped with an adjustable bracket for versatile and secure installations.

The LED25WRE-1S-FLGP-DNS flag pole light emitter from Larson Electronics produces 2,750 lumens of bright light while drawing less than 2.25 amps from a 12 volt electrical system. A single CREE 25-watt LED is combined with a high output reflector to produce a narrow 10 degree spread spot beam approximately 1000’ long combined with a 60° flood beam. This combination spot and flood beam provides both distance and width from a single light source. This particular unit is ultra compact with a 4.5" OD lamp head (5.75 inches tall with mounting bracket), which makes it ideal for applications where electrical power and mounting space is at a premium.

The LED 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. The low profile design, 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, off-roading and commercial structure illumination.



This photo shows an open parking lot lit only by ambient light at approximately 9:00 pm`.

Click Photo to Enlarge



This photo shows the LED light in spot configuration. The building in the distance is 300` away, well illuminated by the LED spotlight.

Click Photo to Enlarge

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or “duty cycle” accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED’s core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 100% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

Voltage Control: These units are also able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LEDP WRE series LED lights can operate on current ranging from 12 to 32V DC without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in vehicle electrical systems which would otherwise result in

burning up or premature LED failure without it.
Photocell: The day/night detecting sensor that automatically turns on an flag pole LED light when the level of daylight drops. This photocell 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: As well as unparalleled heat control, the LEDP WRE series of LED lights from Larson Electronics also offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -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 extruded aluminum and the lenses are unbreakable polycarbonate. The CREE LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,000 hours of use.
Mounting: The LED light 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 then 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 and allowing the unit to be installed anywhere a 1/2-inch hole can be drilled.
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

LED25WRE-1S-FLGP-DNS

Product ID: 272370

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**