Larson Electronics LLC
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Product ID: 146067

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



Image:

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.

LED30W-PAR38-1224 25 Watt LED Bulb
Lamp Type: LED
Watts: 25
Lumens: 2500
Dimensions: 4.75" in diameter
Voltage: 11-25V AC/DC
Color: White (Red, Green, Blue, Amber, and Infrared also avaliable.)
CRI: >84 (White)
Operating Temp:-20C to 85C
Materials: Aluminum Housing - Polycarbonate Lens

Features
ETL Listed
50,000 Hour Life Rating
Direct Replacement for PAR38 Bulbs
Rough service

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The LED30W-PAR38-1224 from Larson Electronics is a 25 Watt Low Voltage LED Style Bulb that is designed to fit in standard light bulb sockets while providing durability, multi-color options and rough service that makes it ideal for industrial and commercial applications. This 25 Watt Low Voltage LED replacement bulb provides 2500 lumens of high-intensity LED light.

The LED30W-PAR38-1224 is a low voltage LED light bulb that can serve as a PAR38 LED upgrade from standard light bulbs fitting E26 bulb sockets. Utilizing only 25 watts and designed to operate with low voltage 11-25V AC/DC, this lamp provides higher efficiency than traditional incandescent PAR38 bulbs and is a direct fit replacement. The light output is

comparable to a 150 watt incandescent PAR38 bulb. The LED30W-PAR38-1224 is available in multiple colors including red, green, blue, amber and infrared. (There may be longer lead times on specialty colors)

This rough service lamp has an acceptable operating temperature range of -20°C to 85°C and an operational life of 50,000 hours. The solid state design of this low voltage lamp means it is resistant to the effects of impacts and vibrations, providing adding durability to withstand conditions that would cause a normal incandescent bulb to fail. The overall dimensions of the remote controlled LED light are the same as a standard PAR38 incandescent lamp, and the base is constructed of aluminum for durability and resistance to rust and corrosion. These lamps are not waterproof.

The LED30W-PAR38-1224 is the ideal upgrade and/or replacement for security flood lights around the home or business. This bulb produces nearly 20% more light at 10 feet than a standard 300 watt rough service A19 bulb. Combined with a "pure white" color output, this bulb is ideal for improving the light output of hand lamps, drop lights, and other standard low voltage incandescent lighting within industrial applications.

The low voltage PAR38 is the same base and dimensions as a standard PAR38 incandescent light bulb. You can use this LED light bulb as a replacement for a standard outdoor flood lamp in your home. However, given the durability and longevity, we also see this LED light bulb as an ideal solution for a variety of industrial uses. As such, this LED light bulb can provide additional safety measures and time savings, given the low heat production, rough service ability and that it does not require replacing for 50,000 hours. Since the LED bulb uses solid state technology, the vibration (dropping, etc.) that degrades conventional incandescent bulbs is not an issue with these LED bulbs.

Energy Consumption Comparison (Ten Lamps)

	Incandescent	CFL	LED
Wattage	1500 watts	420 watts	250 watts
Amp Draw @ 120V AC	12.5 amps	3.5 amps	2.08 amps
Amp Draw @ 12V DC	125 amps	35 amps	20.84 amps
Amp Draw @ 24V DC	62.5 amps	17.4 amps	10.42 amps
Lamp Life Expectancy	1,875 hours	10,000 hours	50,000 hours
Color Temperature	2850K	4300K	6000K
Operation cost per year (8hs/day @ 11c/kWh)	$481.80	$134.91	$80.30

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.

LED lights run at significantly cooler temperatures than traditional metal halide and high

pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.

Superior LED Benefits

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off - No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.
15. California Title 24 Compliant

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)

There are no Faqs

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Product ID: 146067

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

Options:

-Bulb Color-Beam Config
Example: -WHT6-SP

Bulb Color	
WHITE6000K	-WHT6
WHITE4300K	-WHT43
WHITE3000K	-WHT30
WHITE2700K	-WHT27
RED	-RED
GREEN	-GRN
BLUE	-BLU
AMBER	-AMB

Beam Config	
SPOT	-SP
FLOOD	-FL

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Links (Click on the below items to view):

- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/146067.PDF)
- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/146067.JPG)
- **HigResPic2**(https://www.larsonelectronics.com//images/product/HigResPic2/146067.JPG)
- **HigResPic3**(https://www.larsonelectronics.com//images/product/HigResPic3/146067.JPG)
- **HigResPic4**(https://www.larsonelectronics.com//images/product/HigResPic4/146067.JPG)
- **HigResPic5**(https://www.larsonelectronics.com//images/product/HigResPic5/146067.JPG)
- **HigResPic6**(https://www.larsonelectronics.com//images/product/HigResPic6/146067.JPG)
- **HigResPic7**(https://www.larsonelectronics.com//images/product/HigResPic7/146067.JPG)
- **HigResPic8**(https://www.larsonelectronics.com//images/product/HigResPic8/146067.JPG)
- **HigResPic9**(https://www.larsonelectronics.com//images/product/HigResPic9/146067.JPG)
- **HigResPic10**(https://www.larsonelectronics.com//images/product/HigResPic10/146067.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)