2008 RBR Vector 300 Combine Grain Tank & Unloader Headlight LED Flood Light Kit - (6) IL-LED-27R

Part #: LLP-RBR-V300-2008-V1

The LLP-RBR-V300-2008-V1 from Larson Electronics is a set of LED flood lights for grain tanks and unloaders. This set of LED flood lights can be used to replace or upgrade existing OEM lights on grain tanks and unloaders.

The LLP-RBR-V300-2008-V1 includes six Larson Electronics' IL-LED-27R 27 watt LED flood lights. These six LED lights are used to replace existing headlights.

IL-LED-27R Features: The IL-LED-27R LED light bar from Larson Electronics produces 2160 lumens of bright light while drawing only 27 watts @2.2 amps from a 12 volt electrical system. Nine high output three watt LEDs producing 240 lumens each are arranged in a circle and paired with high purity optics to produce a wide 30 degree flood beam. These LED light bars are IP67 waterproof, sealed against intrusion by dust and dirt and very ruggedly constructed to withstand the most demanding environments, conditions and applications.

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.

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.

Durability: As well as unparalleled heat control, the IL-LED-27R LED light bar from Larson Electronics also offer IP67 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 diecast aluminum and the lenses are unbreakable polycarbonate. We recommend these LED lights for high humidity climates, very cold areas and rough saltwater conditions. They are also applicable to environments where equipment is used in one temperature extreme and stored in another temperature extreme.

Mounting: Each unit is equipped with a stainless steel mounting bracket. Each aluminum mounting block has an integrated rubber bushing to absorb vibrations and shocks.

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.

Specifications / Additional Information

LLP-RBR-V300-2008-V1 LED Grain Tank, Unloader & Aftercut Headlights

Lamp Type: Cree LED

Dimensions: 4.5" Diameter; 1.5" Thick

Weight: <1 lbs

Voltage: 12V DC

Total Watts: 162 / 6 x 27 W

Total Lumens: 12,960 / 6 x 2,160

Ratings/Approvals

IP67 Waterproof to 1 Meter

Luminous Efficacy: 80 Lm/W

LED Light Color: White

LED Life Expectancy: 30,000 Hours

Lighting Configuration: 30° Flood Beam

Amps: 2.2 @ 12V DC

Ambient Operating Temp Range: -40°C to +85°C

Waterproof Rating: IP67

Housing Material: Aluminum

Housing Color: Black

Lens Material: Polycarbonate

Mounting: Flat Surface - Stainless Steel Bracket

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Toll Free: 1-800-369-6671

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Part #: LLP-RBR-V300-2008-V1 (222906)

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