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LLP-JD-TR-4850-V3

LED Upgrade Kit for JD 4850 Tractor - (8) LED18W-PAR36 - (2) LED25WRE-CPR - (1) LLP-JD-TR-4XXX-HL-4X

Product ID: 150695



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.

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The LLP-JD-TR-4850-V3 LED Tractor Light Package comes with 8 LED18W-PAR36 LED Work Lights. Two of the lamps come with a flood beam configuration for use as low beam lights. Two more of the lamps come with a Euro beam configuration for use as front fender lights. The remaining four lamps also feature a flood beam configuration for use as area flood lights. The LLP-JD-TR-4850-V3 also includes 2 LED25WRE-CPR LED Spotlights. These lights come in a spot beam configuration for use as high beam lights. Lastly, the LLP-JD-TR-4850-V3 includes 1 LLP-JD-TR-4XXX-HL-4X LED Hood Light to use as nose cone lights. The LLP-JD-TR-4850-V3 LED Light Package is ideal for installation and use on a John Deere 4850 Tractor. Each LED18W-PAR36 produces 1,800 lumens, each LED25WRE-CPR produces 2,750 lumens and the LLP-JD-TR-4XXX-HL-4X produces 4,320 lumens of high-intensity LED light output with low voltage and amp draw, a 50,000 hour rated service life and 9 to 42 volt compatibility that provides operators with a versatile and powerful LED tractor lighting solution.

LED18W-PAR36: The LED18W-PAR36 is a suitable replacement for PAR36 lighting solutions and systems. This PAR36 LED lamp operates on 10-30V DC, including 12V DC and 24V DC. When in use, the luminary emits 1,800 lumens in a flood beam configuration with color temperature options of 3000K, 4500K or 6000K. A total of six, three-watt LEDs can be found inside the unit. The PAR36 LED light is equipped with a clear, polycarbonate lens for close range illumination.

A clear, polycarbonate lens reinforces the exterior of the lamp, allowing it to withstand light impacts.

LED25WRE-CPR: The LED25WRE-CPR LED light emitter from Larson Electronics produces 2750 lumens of bright light while drawing less than 2.25 amps from a 12 volt electrical system. A single Cree 25 watt LED producing 2750 lumens is combined with 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 and measures 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. 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 32VDC 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.

LED25WRE-CPR 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.

LED25WRE-CPR 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.

LED25WRE-CPR Mounting: These LEDP WRE series LED lights feature a smaller profile and lighter weight than our LEDLB-E series lights, making them ideal for use in locations where traditional lights cannot fit or would block other mounted equipment. The LED25WRE-CPR 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 retightened 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, allowing the unit to be installed anywhere a 1/2-inch hole can be drilled.

LLP-JD-TR-4XXX-HL-4X: The LLP-JD-TR-4XXX-HL-4X is a suitable replacement for external tractor hood lighting systems. This 90-watt LED light operates on 12-24V DC. When in use, the luminary emits 4,320 lumens of white light with a color temperature rating of 6,000K in a flood beam configuration. The tri-lamp unit is constructed of sturdy aluminum and features waterproof protection. The back of the LLP-JD-TR-4XXX-HL-4X supports a breathable design for robust air flow, along

with a standard 2-pin connector for quick installation. A billet bezel frame securely holds all four 5x2 lamps in place during operation. This kit comes with the necessary screws, wire harness, mounting hardware and frame required to complete the installation

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.

Mounting: The LED lights in this cab light upgrade kit mount in existing lamp holders for halogen lamps on John Deere 4850 tractors. This means that this LED cab light upgrade kit is easy to install without any major modifications to the cab or body of the tractor.

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.







LARSON ELECTRONICS



X1





X8



X2

TRACTOR LED LIGHT PACKAGE

Frequently Asked Questions (FAQ)