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IND-CRN-FSB-1X500LTL-LED-ASM

480W High Intensity LED Crane Light - 64,800 lms - 120-277V - Free Swinging U-bracket Mount

Product ID: 242847

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.

IND-CRN-FSB-1X500LTL-LED-ASM Crane LED Light

Lamp Technology: CREE® LED
Dimensions: -
Weight: -
Voltage: 120-277V AC or 127-431V DC
Total Watts: 480W
Total Lumens: 64,800 lms
Luminous Efficiency: 135 lm/w
Lamp Life: 80,000+ Hours
LED Color Temperature: 5000K, 4000K or 3000K
Color Rendering Index: -
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Type: -
Lighting Configuration: 10° Spot, 24° Wide Spot, 38° Narrow Flood, 60° Flood or 90° Wide Flood
LED Drive: 90%
Optics Efficiency: 98% - PMMA High Transmittance Optics
Amp Draw: 5A @ 120V, 2.5A @ 240V, 2.67A @ 277V
Ambient Operating Temp Range: -40° C to +80°C
Materials: Die Cast Aluminum Housing, PMMA (Acrylic) Optics
Housing Color: Natural Aluminum
Mounting: Free Swinging U-bracket Mount

Summary/Ratings

1000 Watt Metal Halide Replacement
Ambient Op Temp -40C to +80C
Ideal for Crane Applications
98% Transmission High Purity PMMA Optics
Multiple LED Banks for Heat Dispersion
135 Lumens Per Watt Efficiency
70% Lumen Retention after 80,000 Hours
IP67 Rated Waterproof
Shock Dampening Mounting System

Special Orders - Special Requirements

Contact us for special requirements

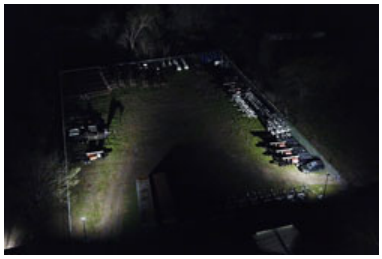
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Wiring: 2.5` Pigtail w/ Flying Leads

E-mail: sales@larsonelectronics.com

The IND-CRN-FSB-1X500LTL-LED-ASM High Intensity LED Crane Light offers powerful light output and is ideal for supporting crane and industrial hoisting operations. This LED light provides operators with a rugged and reliable LED alternative to 1000 watt metal halide lamps that uses little power and can withstand rugged use and abusive conditions. Capable of producing 64,800 lumens with 120-277 volt compatibility, the IP67 waterproof rated LED light is secured on a free swinging U-bracket mount.

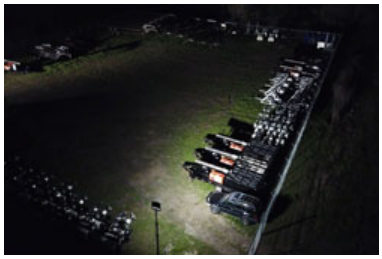
The IND-CRN-FSB-1X500LTL-LED-ASM produces 64,800 lumens of high intensity light while drawing only 480 watts at 5 amps from a 120 volt electrical system. Forty-eight CREE® high output LEDs producing 1,350 lumens each are arranged in rows and paired with PMMA high purity optics to produce a well focused 24° wide spot beam that is ideal for providing far reaching concentrated illumination while still covering a substantial amount of area. We also offer optional optics with 10° spot, 38° narrow flood, 60° flood, and 90° wide flood beam spreads. The spot beams are tightly focused and are designed for high elevation mounting to achieve distance, making spot versions ideal for high mast and spots lighting. The flood beams are designed to provide more light over a larger area nearer the fixture, making flood versions ideal for use as dedicated work and area lights.



Click Photo to Enlarge

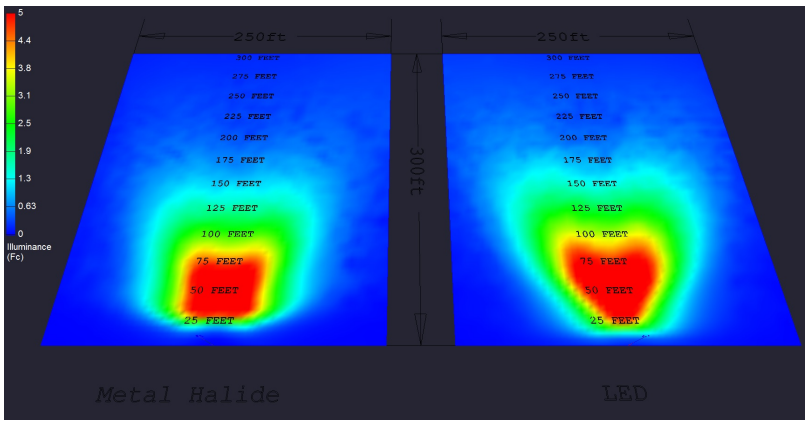


Click Photo to Enlarge



Click Photo to Enlarge

IND-CRN-FSB-1X500LTL-LED-ASM lights are ideal replacements for fragile and hot running 1000 watt metal halide lamps. They offer low power requirements, high durability and a versatile mounting system that makes these LED light emitters a superior lighting solution for demanding applications where power and reliability is critical. The robust design and high power of these LED lights also makes them suitable for a wide array of heavy-duty applications, including crane operations.



Click Photo to Enlarge

The above image shows the comparison of the traditional (4) 1500 watt metal halides light fixtures mounted to a 30` light tower (left) to (4) IND-CRN-FSB-1X500LTL-LED-ASM 480 watt LED light fixtures mounted to a 30` light tower. The area being illuminated by each tower is 300` in length and 250` in width. Unlike the metal halide light fixtures, there are no hot spots with these LED fixtures. This high output LED light fixture provides an even beam spread over the targeted work area without overcast, glare, light spillage, and wasted illumination. Color rendering is also increased with LED light plants, providing a more realistic night vision that more closely resembles natural daylight illumination.

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units feature individual heat sinks per bank of six LEDs to control heat buildup rather than utilizing a single housing to dissipate heat. This allows for more

thorough cooling of the LEDs for extended operating periods. This allows the LEDs to be driven at up to 90% capacity without overheating or visible loss of light output. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 80,000 hours.

Durability: As well as unparalleled heat control, the IND-CRN-FSB-1X500LTL-LED-ASM offers IP67 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can withstand rapid temperature changes of -40° Celsius to +80° Celsius, are waterproof, and resist ingress of dust, dirt and humidity. The housings are formed from die cast aluminum and the optics are high transmission PMMA with 98% light transmittance. The CREE® LEDs help these units achieve resistance to vibrations and are rated at 70% lumen maintenance after 80,000 hours of use. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

Wiring: The IND-CRN-FSB-1X500LTL-LED-ASM comes with 2.5` of pigtail wire with flying leads for completing power connections.

Mounting: This LED crane light is secured on a free-swinging U-bracket mount, which keeps the unit pointed downwards at all times (without manual adjustment), as the crane`s boom moves up and down.

Applications: Crane lights, hoisting operations, warehouses, illuminative safety, industrial buildings and more.

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)

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Product ID: 242847

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

IND-CRN-FSB-1X500LTL-LED-ASM-Beam Angle-Color Temp

Example: IND-CRN-FSB-1X500LTL-LED-ASM-10SP-50K

Beam Angle	
10° SPOT	-10SP
24° WIDE SPOT	-24WS
38° NARROW FLOOD	-38NF
60° FLOOD	-60F
90° WIDE FLOOD	-90WF

Color Temp	
5000K	-50K
4000K	-40K
3000K	-30K

Links (Click on the below items to view):

- **HigResPic1**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**