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SMLP-6X500LTL-LED-480V

2880W Skid Mount LED Light Plant - 6 LED Fixtures - Crane Stadium Flood Lights - 480V AC 3-Phase

Product ID: 147423

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.

SMLP-6X500LTL-LED-480V 2880W Skid Mount LED Light Plant - 6 LED Fixtures - 480VAC Line-in

Unit Type: LED Light Plant
Dimensions: 70.5"x62"x36"
Weight: 425 Lbs
Voltage: 480V AC 3-Phase
Total Watts: 2,880 (480 Per Lamp)
Total Lumens: 388,800 (64,800 Per Lamp)
Life Expectancy: 80,000+ hours
Beam Configurations: Flood Beam
LED Color Temperature: Cool White - 5500-6500K
Optics Efficiency: 98% - PMMA High Transmittance Optics
LED Drive: 90%
Ambient Temperature Range: -40°C to +80°C
Housing Material: Die Cast Aluminum Housing, PMMA Optics
Mounting: Skid Mount w/ Skid Pockets and Picking Eyes
Mounting Material: Carbon Steel
Wiring: Customer provided

Ratings/Approvals

Wide/Extreme Area Coverage
Heavy Duty Construction
70% Lumen Retention after 80,000 Hours
IP67 Waterproof
Picking Eyes for Crane Hoisting

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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The SMLP-6X500LTL-LED-480V Skid Mount LED Light Plant by Larson Electronics is a massive 2,880-watt lighting system that is suitable for stadium lighting, crane rig lighting, outdoor events and more. This unit

contains 6, 480-watt LED fixtures and operates on 480V AC 3-phase. Capable of emitting 388,800 lumens, the light plant is mounted on a carbon steel, cube-style platform with picking eyes for seamless hoisting and transportation.

The SMLP-6X500LTL-LED-480V light plant is equipped with 6, 480-watt LED lamps (total of 2,880 watts) for superior lighting in industrial environments. During operation, this unit emits a cool white light at 388,800 lumens in a flood beam configuration for wide area lighting. The light plant runs on 480V AC line-in power and the cable is customer provided for connection to compatible power sources. When in use, the LED light plant can light up between 715 acres and reach targets from distances up to 1,000 feet. This caged lighting system is designed to illuminate targets from an elevated position. Reflectors around each lamp help focus and amplify illumination during operation. Hooking and securing components around the mount allow operators to raise the unit safely.



Mounted to Crane



Forklift Skid Pockets

Four Corner Eyelets



Ground Terminal

Fused Disconnect

Back of Unit

This unit uses 6 GAU-LTL-500W-LED lamps from Larson Electronics, which individually produces 64,800 lumens of high intensity light while drawing only 480 watts. 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 flood-configured beam. The spot beams are tightly focused and are designed for high elevation mounting to achieve distance.

LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation. 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 applied and emitting light. With LED lights, there is no warm up time or cool down time before re-striking and provide instant illumination when powered on, adding to the reliability of LED technology. By nature, LED light sources run significantly cooler than traditional lamps, reducing the chance of accidental burns and increased temperatures due to heat emissions. This solid state design of light emitting diodes provides a more reliable, stable, durable, and energy efficient light source over traditional lighting.



Click Photo to Enlarge



Click Photo to Enlarge

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 LED lights on this unit 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° 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 80,0000 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.
Mounting: Unlike many caged lighting boxes made of plastic and utilizing thin gauge, low grade metals in their construction, the SMLP-6X500LTL-LED-480V is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The LED lighting system is mounted on a cube-style thick carbon steel mounting platform, resulting in an extremely stable, durable and well protected unit. This model is equipped with picking eyes, which can be used for crane hoisting. Forklift skid pockets, locking casters and a top located lifting eyelet are also available, allowing easy lifting with forklifts, cable or chain hooks.
Applications: Stadium lighting, offshore lighting, crane lighting, cage mounted lighting, outdoor events, construction site lighting, emergency camps and large-scale industrial sites.
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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SMLP-6X500LTL-LED-480V
Product ID: 147423

Warranty: 36 Months

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

Options:
SMLP-6X500LTL-LED-480V-Finish
Example: SMLP-6X500LTL-LED-480V-PWDC

Finish	
POWDER COAT	-PWDC
GALVANIZED	-GLVD

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **STEP File (3D CAD Model)**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**