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WAL-SMDE-12-3X80X2-RPS

Rechargable 240 Watt Work Area LED Light Tower - Skid Mast Mount - 4.75-12' Height - Battery Powered

Product ID: 105623

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.

WAL-SMDE-12-3X80X2-RPS Work Area LED Quadpod

Lamp Type: LED
Dimensions: 4.77` to 12` Tower
Total Watts: 240W
Lumens: 20,640
Voltage: 120V or 240V
Tower Mounting: 48" x 48" x 54.5" Carbon Steel Cube Frame
Mobility: Skid Pockets, 4-Corner Pickeyes, Locking Casters
Weight:
Lighting Configuration: (3) Adjustable LED Lamps - 40° Flood Optics
Color Temp: 6000K
Color Rendering Index: >75 CRI
Lamp Life: 50,000+ Hours
Run Time: 24+ Hours on a single Charge
Battery Type: Sealed Lead Acid
Battery Capacity: 400aH

Quick Summary

240 Watt, 20,640 Lumen LED Light Head
Adjustable Tower 4.75` to 12`
Wheeled Base Tower
Rechargable Light Tower
24+ Hour Run Time

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The WAL-SMDE-12-3X80X2-RPS Rechargable LED Work Area Mini Light Plant with 12` Telescoping Light Mast and from Larson Electronics produces 20,640 lumens. This battery powered LED light plant is designed

for portability and durable operation, can operate for over 24 hours on a single charge at full LED intensity, and ideal for use in demanding outdoor conditions.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO LIGHT MASTS, LIGHT TOWERS, OR QUADPODS*

The WAL-SMDE-12-3X80X2-RPS is a skid frame mounted rechargable work area LED light and provides 20,640 lumens of bright white LED illumination. This portable LED light tower is equipped with three LED light heads mounted that can be independantly rotated for easy positioning of the light output within the work environment. The LED light head on this unit produces a wide flood pattern of light that is ideal for illuminating large workspaces and job sites. This rechargable light plant is designed for heavy duty use in demanding conditions including emergency services, mining, construction, marine, and industrial operations where durability and reliability is critical.

This battery powered LED light tower comes with a regarcheable battery pack and one single charge provides 24 hours a of lighting with the LED light heads at full brightness. The 400 amp hour battery back mounted at the base of the tower provides ample run time, making this product idea for temporary construction sites, outdoor work in winter months, and any work environment where portable illumination is required for large workspaces.

This portable rechargable LED light tower is comprised of a four stage light mast mounted within the center of the skid frame. This adjustable and collapsible tower can be extended to 12`, collapsed to 4.75`, and the skid frame includes skid pockets, 4-corner pick eyes, and solid wheels to allow the operator easily transport the entire assembly around the job site. The LED light fixture assembly can be removed by releasing the hand knob and sliding the light and mounting bracket off of the center support, aiding in deployment, storage and transport. The lamp can be easily adjusted horizontally and locked into position.

The light assembly on this portable work light is constructed of three LEDP10W-80X2E high output LED light fixtures in a flood configuration. Eight CREE XLamp MC-E® ten watt LEDs producing 860 lumens each are arranged in two rows and paired with high purity optics to produce a40 degree beam spread to provide more light over a larger area nearer the fixture. The LED boards and reflectors are protected by a scratch and shatter resistant polycarbonate lens attached to the aluminum housing, allowing this unit to withstand abuse that traditional halogen work lamps cannot. This LED work light is waterproof, vapor proof, and built to resist the damaging effects of an outdoor environments and use in temporary job sites.

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.

PWM Control: The pulse width modulation drivers in this unit also provide secondary benefits through the ability to tap into a provided input wire with an external pulse generator and adjust the duty cycle of the current being applied to the LEDs. Thus you can connect an external dimmer, switch or pulse control and adjust the perceived output of the light, effectively causing the light to flash, dim

or brighten to the desired levels. Additionally, this method of controlling light output results in a corresponding drop in amperage draw, so if the duty cycle is cut back to 50% there will be a matching 50% reduction in amperage draw. 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 LEDP10W series light bars can operate on current ranging from 9 to 48VDC 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.

Durability: As well as unparalleled heat control, the LEDP10W series of LED light bars 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 XLamp MC-E® LEDs offer resistance to shocks and vibrations and are rated at 70% lumen maintenance after 50,0000 hours of use.

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.

Skid Tower: The towers and assembly is powder coated with glossy blue finish for corrosion resistances and aesthetics. This mast is bolted onto a 1/8" thick carbon steel plate via six 1/2" anchor bolts. The mast and controls are secured within a cube-style frame constructed of 2" by 2" by 1/8" thick and measuring 48" wide by 48" long by 54.5" tall. Four skid pockets allow this unit to be picked up from the sides, and four-corner pick eyelets allow for stable deployment via crane operation. A 24" wide and 2" by 2" by 1/4" thick mounting plate is attached to the upper section of the mast which provides a strong and stable platform for the three LED light fixtures.

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. This light plant system can withstand winds up to 125+ mph when lowered to 4.75`, and up to 55 mph when fully extended. When elevated to its full upright position,the mast can be rotated a full 360°. By loosening the T-Handle, operators can rotate the mast with easy in either direction. The mast can be positioned in one of four different directions, and locked back in place by re-tightening the T-handle. The mast itself spins freely with easy, and can typically be rotated with a single hand.

Charging & Battery Bank The charger on this portable light plant charges a 400-amp capacity battery bank. This 24 volt battery system in comprised of 6 volt batteries tied together in series and parallel. This allows operators to run the WAL-SMDE-12-3X80X2-RPS for 24 continual hours with the LEDs at full intensity. Once the batteries are drained, hook the unit up to the charger.

Made in USA Quality

1.Heavy duty aluminum tube tower construction.
2. Led lamp head requires no lamping and simply slides on the quadpod and is locked into place with a hand tightened set screw.
3. Tower constructed of heavy duty powder coated steel
4. Portable, rechargable LED light tower

Superior LED Benefits

1. 50,000+ hour lifespan.
2. Can SAVE 50% or more on energy.
3. 100% recyclable.
4. No toxins-lead, mercury.
5. No UV light, infrared radiation or CO2 emissions.
6. Bright, even light maintains consistent color over time.

5. Extreme long life LEDs reduce maintenance and replacement costs.
6. Solid rubber tires. No flats or tube replacements.
7. LED Light Output Comparable to 500 Watt Quartz Lamps.
8. 20,640 Lumens produced from only 60 watts.
9. Mercury free shock proof LED lamp light head.
7. Instant on/off – No flickering, delays or buzzing.
8. Very good color rendering.
9. Vibration/impact resistant.
10. Significantly cooler operation.
11. Less frequent outages, higher output improves workplace safety.

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Frequently Asked Questions (FAQ)

WAL-SMDE-12-3X80X2-RPS
Product ID: 105623

Warranty: 60 Months

Export Control Classification Number (ECCN): EAR99

Options:
WAL-SMDE-12-3X80X2-RPS-Voltage
Example: WAL-SMDE-12-3X80X2-RPS-120V

Voltage	
120V	-120V
240V	-240V

Links (Click on the below items to view):

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