Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16

1000W LED Light Tower - 6.7' to 20' - Telescoping Fold Over - (4) LED Lamps w/ Diffusers - 50' Cord

Product ID: 153990

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.

LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16 Three Stage LED Light Tower
Lamp Type: Bridgelux® LED
Lamps: (4) 250 Watt LED Fixtures
Total Watts: 1000 (250W per lamp)
Total Lumens: 129,600 (32,400 per lamp)
Luminous Efficiency: 135 lm/w
LED Life Expectancy: 80,000 hours
Optics Efficiency: 98% - PMMA High Transmittance Optics
LED Drive %: 90%
Lighting Configuration: Flood Pattern
Color Temp: 6000K
Ambient Temp Rating: -40°C to +80°C
Power Factor: >97%
Lamp Voltage: Universal 120-277V AC 50/60 Hz
Mast Length: 6.7` to 20`
Weight: +-600 lbs
Materials: Steel
Finish: Powder Coated - Gloss Blue
Voltage: Universal 100-277V AC, 50/60Hz
Operation: (2) 1,000lbs Hand Winches, Electric Optional
Cable: 3/16 Aircraft Grade Galvanized Steel Cable
Mounting: 6` Skid Base - Truck Beds or Skid Mount
Wiring: 50` 16/3 SOOW Cable from Base of Mast w/ IEC 60309 (CEE) 16A Pin/Sleeve Cord Cap
Shipping Weight: +-800 lbs

Mast Summary
6.7` to 20` Light Mast
Steel Construction
Power Coated Finish
Removable Mast Head
125 mph Wind Resistance
Manual or Optional Electric Operation

LED Lamp Head Summary
High Output LED Lamps
Extreme Area Coverage
Direct Replacement for (4) 550W MH Towers
129,600 Total Lumen Output
Independently Adjustable Light Heads
Dial-in Adjustability per light head
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 Waterproof LED Fixtures
Polycarbonate Diffusers

Special Orders- Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

Shipping: Common Freight

Options: Length- Mounting-Fixtures/ Call Us for Special Requirements

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in the USA

The Larson Electronics LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16 skid mounted fold over light mast provides a safe and effective way for operators to quickly deploy 1000 watts of intense LED lighting to elevations up to twenty feet. Four 550 watt equivalent high output LED lights produce a wide spread of intense white light, allowing this unit to effectively cover large work areas with high quality illumination. This light tower is mounted onto a skid base and folds over for easy transportation, features a rotating boom that allows for 360° of rotation, and a removable mast head for storing mounted equipment when not in use.

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

The LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16 is designed to quickly and safely deploy 1000 watts of intense LED lighting in locations where elevated illumination is needed for maximum area coverage. This light boom can be extended to 20 feet for maximum area coverage and collapsed to 6.7 feet for applications where a footprint smaller is required. This LED light tower features a 50-foot 16/3 SOOW cord with a 16-amp IEC 60309 CEE pin/sleeve cord cap. The mast is elevated using an included 1,000 lbs hand winch with 3/16 inch cable and extended to its full height using a second 1,000 lbs winch.

Lights: The lighting system on this articulating light mast is comprised of four our of GAU-LTL-250W-LED 250 watt LED lamps producing 32,400 lumens of light each attached to the end of the telescoping pneumatic light boom. These floodlights produce a wide flood light pattern with a combined total of 1,000 watts and 129,600 lumens of light. The GAU-LTL-250W-LED lights are ideal replacements for fragile and hot running 550 watt metal halide lamps, offering increased durability, longer lamp life, and lower power consumption. The entire lighting assembly is connected to the power source via a 4-switch control box. Each light head is on an individual circuit and can be powered on or off independently of the other light fixtures.

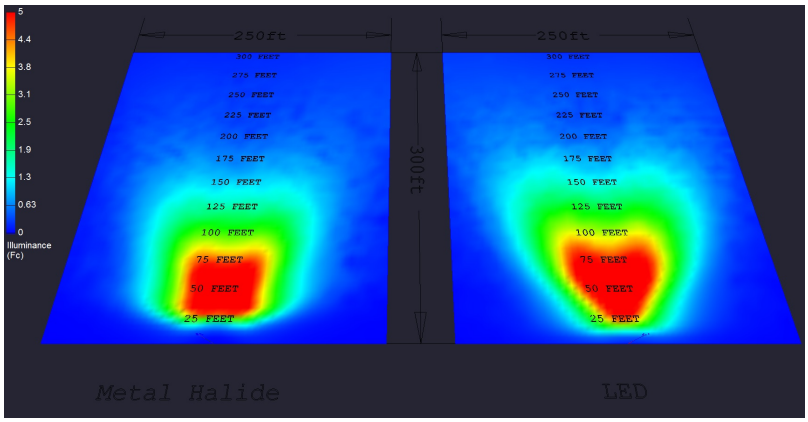
Each LED light head is equipped with an opaque polycarbonate diffuser. This component prevents visual strain ("ball in the eye" effect) and reduces the creation of glare at the site.

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. In addition, should an LED failure occur, these LED flood lights are field serviceable. Each bank of six LEDs can be replaced with the fixture installed. This allows for the tower to stay in operation until repairs can take place, and eliminates the need to remove and disassemble the entire fixture for repairs.

Durability: As well as unparalleled heat control, the GAU-LTL-250W-LED series of LED lights 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° 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 Bridgelux® LEDs help these units achieve resistance to vibrations and are rated at 70% lumen maintenance after 80,000 hours of use. We use these LED lights for applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

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Click Photo to Enlarge

The above image shows the comparison of the traditional 1000 watt metal halide light plant such as our LM-30-3S-4X1000W (left) to the LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16 LED light tower. The area being illuminated by each tower is 300` in length and 250` in width. Unlike the metal halide light plant, there are no hot spots with the LED plant. This high output LED light plant 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.

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.

Mounting: This light mast is mounted to a 6` skid base, which allows operators to secure the unit on truck beds 6` in length (tied down via slots at each corner). The light tower can also be removed and skid mounted on a concrete pad for deployment at work sites. For ease of deployment, the light heads can be removed.

The four side skid pockets enables fork lifts and skid steers to transport this unit from all sides. A support arm at the end of the skid supports the mast in the collapsed position. The weighted base allows this mast to be deployed without permanently mounting the mast, and includes anchor holes to anchor the unit down for long term deployment.

Each floodlight is securely fastened to the mast head with an innovative trunnion style stainless steel mounting bracket that allows the light to be adjusted through 180° of vertical movement. To vertically adjust the unit after mounting, the user simply loosens the screws located on either side of the unit, moves it into the desired position, then re-tightens the screws. The base of the mounting trunnion is equipped with several machined slots which allow users to utilize existing mounting holes and slide the unit for precise mount positioning.



Click Image to Enlarge



Click Image to Enlarge



Click Image to Enlarge

The LM family of telescoping towers feature a proprietary mast guidance system, which provide increased stability during high winds. When lowered to 6.7 feet, the

mast can withstand winds up to 125 mph. The LM series of towers are powder coated with glossy blue finish for corrosion resistances and aesthetics. A 44" long mounting plate constructed of thick carbon steel is attached to the upper section of the mast which provides a strong and stable platform for the four LED fixtures. This light tower weighs approximately 600 lbs, can easily support and lift 150 lbs fixtures. The entire tower assembly is shipped via common freight carrier and when shipped measures approximately 16.5 feet long, 4 feet wide, 5 feet tall and weighs approximately 1200 lbs. Larson Electronics can custom tailor these units to the customer's requirements with longer sections and larger mounting plates. We also offer a choice of either the manual 1,000 lbs hand winches included standard or optional electric winches.

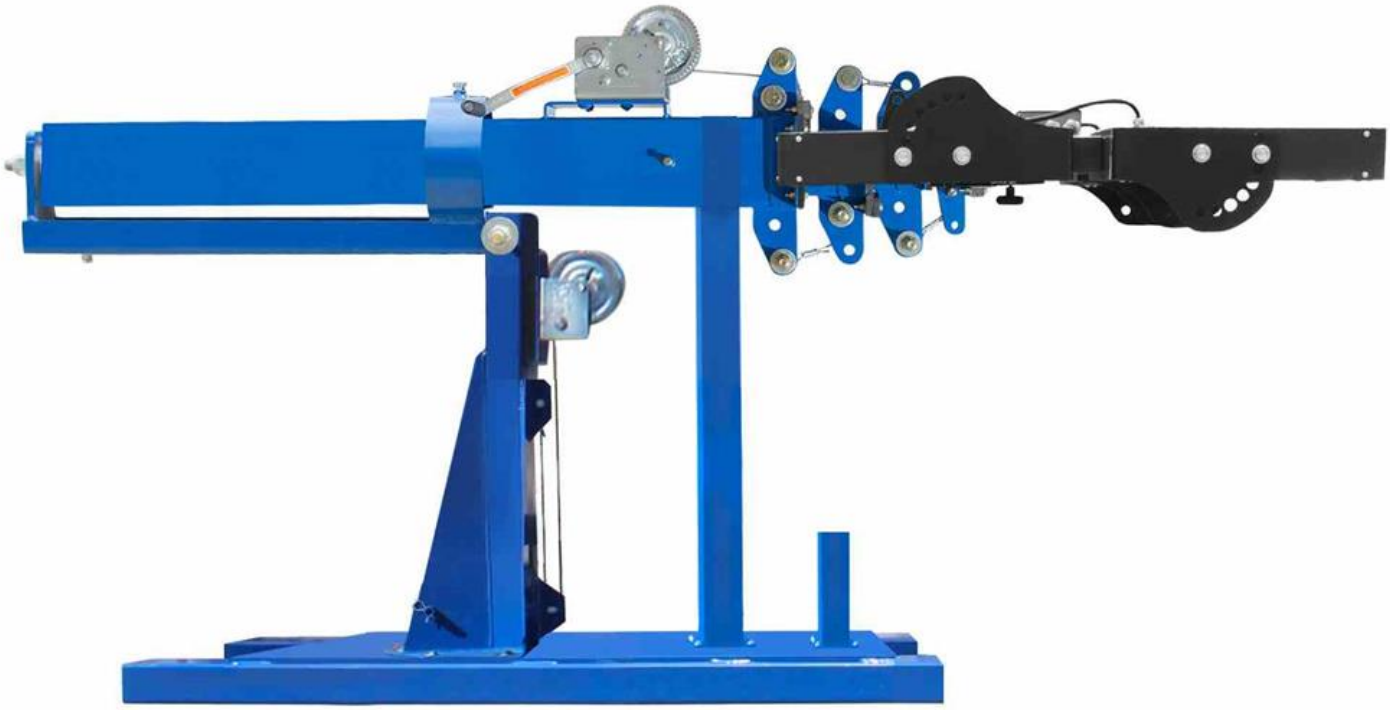
Suggested Applications: With its easy deployment the LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16 is ideal for use in applications that require regular intensive cleaning and are exposed to a lot of vibration, dust, dirt, where abusive working conditions are encountered, temporary lighting, and construction 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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Product ID: 153990

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16-Beam Config-Color Temp

Example: LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16-10SP-50K

Beam Config	
10° SPOT	-10SP
25° WIDE SPOT	-25WS
40° NARROW FLOOD	-40NF
60° FLOOD	-60F
90° WIDE FLOOD	-90WF

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

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **HigResPic1**
- **HigResPic2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**