

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

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

**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

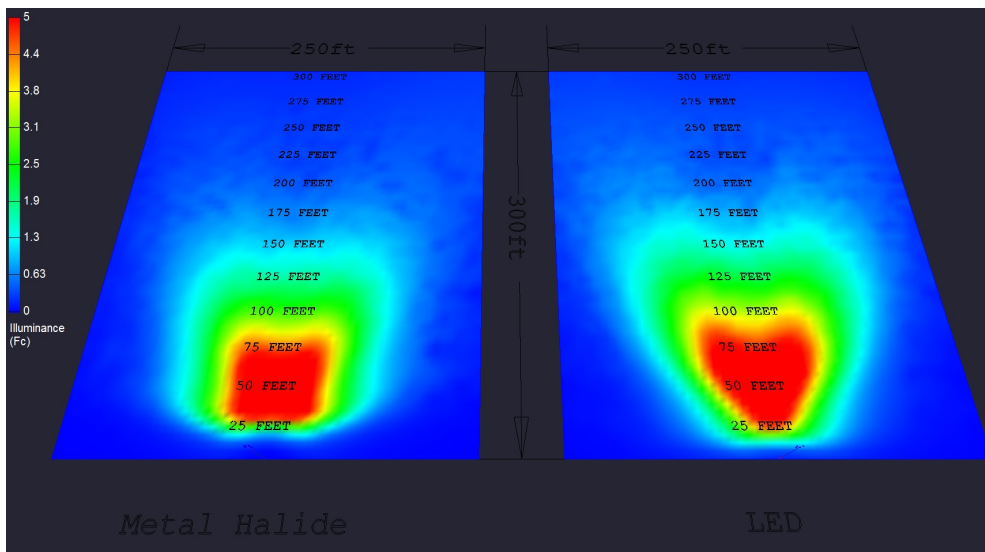
The LM-SMWB-20-6.75-5S-4X250W-LED-OPQ-50C-CEE16 is designed to quickly and safely deploy 1000 watts of intense LED lighting in locations where elevated illumination is needed for maximum area coverage. This light boom can be extended to 20 feet for maximum area coverage and collapsed to 6.7 feet for 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 of our 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.



[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](#)



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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.

Specifications / Additional Information

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

Shipping: Common Freight

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

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

Phone: 1-214-616-6180

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Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

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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		COLOR TEMP	
10° Spot	-10SP	5000K	-50K
25° Wide Spot	-25WS	4000K	-40K
40° Narrow Flood	-40NF		
60° Flood	-60F		
90° Wide Flood	-90WF		



Links (Click on the below items to view):

- [Dimensional Drawing](#)
- [Hi-Res Image 1 - LED Light Tower](#)
- [Hi-Res Image 2 - LED Light Tower](#)