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WCDE-7.5K-4X1000W-MLK

25' Mobile Light Tower with Diesel Engine Generator - 4X1000 Watt Metal Halide Lamps - 440,000 Lumen

Product ID: 106355

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.

WCDE-7.5K-4X1000W-MLK Metal Halide Floodlight Tower

Lamp Type: Metal Halide
Light Dimensions: 19"L x 12"OD, 18" Reflector OD
Tower Dimensions: 25` Raised / 8.2` Lowered
Weight: 1527 lbs
Total Watts: 4,000W
Total Lumens: 440,000
Luminous Efficacy: 110 Lm/W
Lamp Life Expectancy: 15,000+
Color Temp: 4100K
Beam Angle: 24° Spot Beam Individual Lights / Floodlight Unit
Ambient Operating Temperature: -10°C to +49°C
Light Materials: Die Cast Aluminum, PMMA Optics
Tower Material: Galvanized Steel
Generator: 7.5kW Sincro Generator
Fuel Capacity: 28 Gallons

Quick Summary

Superior Metal Halide Power
IP67 Waterproof
Dustproof
18" Aluminum Reflectors
360° Rotating Tower
50+ Hour Runtime on Single Tank
20 units fit inside in a 53` Trailer

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
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The WCDE-7.5K-4X1000W-MLK metal halide floodlight tower from Larson Electronics offers tough and durable construction, reliable and efficient

performance, and high light output in an easy to operate, self-contained portable unit. This floodlight tower features 4 powerful metal halide lights and PMMA high purity optics to deliver 440,000 lumens of concentrated light. A 28 gallon generator mounted to a steel unibody trailer provides stand alone power for 50 hours on a single tank of fuel, allowing operators to keep working no matter how remote the location. Rugged IP67 rated construction designed to withstand the rigors of harsh outdoor conditions and grueling heavy duty use make this light tower an ideal choice for industrial applications, construction sites, marine use, mining, and emergency services.
Light Features: The WCDE-7.5K-4X1000W-MLK light tower features four 1,000 watt metal halide lamps that produce 110,000 lumens each, for a total of 440,000 lumens of high intensity light while drawing only 4,000 watts of energy. Each light fixture has the individual power to brightly illuminate large areas and when combined, this metal halide floodlight tower provides ample lighting for a wide variety of needs.



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Click Photo to Enlarge



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These metal halide lamps are paired with high quality reflectors enabling each light head to produce a far reaching yet intense and well focused beam without overcast, glare, or light spillage. Designed especially for high mast mounting, these concentrated spot beams have an even spread with substantial coverage over the work area and provide a night vision that closely resembles natural daylight illumination.



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Click Photo to Enlarge



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These metal halide lamps have very good color temperature and color rendering which allows them to produce clean, bright white light. The High Intensity Discharge (HID) metal halide lights are highly efficient and offer around 15,000 hours of bulb life expectancy. These metal halide lamps also offer IP67 rated construction that is designed to withstand extremes of environmental and operating conditions. Protected within corrosion resistant die cast aluminum housings, these lights can withstand rapid temperature changes of -10° Celsius to +49° Celsius, and are waterproof and dust tight.



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Tower & Trailer: The telescoping tower on this unit reaches 25` when fully extended and folds to a compact 8.2` for storage and transport. A rear operated manual winch allows operators to easily raise, lower, or rotate the mast through a full 360° of movement as needed. A stepping pad allows operators to make adjustments from the ground with ease. The light heads are trunnion mounted to the mast crosspieces using U brackets and can be individually adjusted while the tower is in the retracted position. The unibody trailer features a formed and welded steel frame, 13" tires and wheels, a 4-point leveling system, and a foldable tongue with a reversible 2-inch ball coupling/pintle hitch. The 4-point base consists of three sliding outriggers each with a drop leg jack (one at the rear and one on each flank) and a 1,000lb stabilizing jack connected to the tongue. Both the main stabilizing jack and the outrigger jacks can be manually adjusted to the desired position using hand cranks. This 4-point design allows the unit to be operational in winds up to 51 mph. The reversible hitch consists of of a standard 2" ball coupling on one end and a 3" pintle towing hitch on the other end. To switch ends, the operator simply unbolts the hitch attachment, flips it to the desired end, and reinserts the bolt. This trailer also features forklift pockets for easy lifting and loading/unloading of the unit.
With compact stowing dimensions of 5.48` x 3.6` x 8.2`, a 48` truck trailer can hold 18 of these light towers, and a 53` trailer can carry 20 units.



Click Photo to Enlarge



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Generator: An 7.5kW Sincro generator with a Kubota Z482 EPA Tier 4 engine provides stand alone power to this light tower. Equipped with a fuel level indicator and an easy to reach exterior fill neck, this generator has a 28 gallon tank and provides a minimum of 50 hours of continuous operation.
A Genset Protect system safeguards against the engine starting and stopping with the AC power as well as ensuring the lighting system is turned off at both the startup and shutdown of the unit. This model is equipped with a 12V electric starter and a glow plug cold starting system. All of the operating components are housed with a protective compartment with side lift up doors for easy access to the controls and engine/generator assembly. The gull-wing access doors and canopy is able to withstand dents, scratches, and corrosion and continues to look new for years.
Housing: All of the operating components are housed within a protective compartment constructed of recyclable LMDPE (linear medium density polyethalene) plastic. This material is extremely corrosion resistant and retains its orignal appearance even after years of use. The enclosure is high impact crack resistant and retains resale value for longer than metal counterparts while also minimizing environmental impact. The highly durable plastic material is fully UV stabilized, contains long term antioxidants and is resistant to both high and low temperatures. The plastic enclosure of the WCDE-4-4X400LTL-LED is significantly lighter than comparable metal enclosures while offering a more attractive appearance. A vertical lift door provides access to the interior while latches provide secure closing while the unit is in use. The entire unit can be loaded and unloaded onto trucks via forklift sleeves mounted to the outer section of the light mast. The entire unit is mounted onto a two wheel trailer with a 2,000 lbs. leaf spring

axle. A standard two inch ball coupling, three inch pintle hitch and two standard safety chains allow for easy hookup and towing.



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Applications: Construction, temporary lighting, road side illumination, plant turn arounds, outdoor events, military, road works, and public lighting.



WCDE-7.5K-4X1000W-MLK Illuminating Pit
Click to Enlarge

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.

Made in the USA Quality

1. High Efficiency Metal Halide lamp.
2. 110 Lumens per Watt
3. Rugged Die Cast Aluminum Lamp Housing
4. 18" Aluminum Reflectors and Polycarbonate Lenses.
5. Heavy Duty Gasket
6. Adjustable and Portable Steel Tower Construction.
7. Low Maintenance.
8. Corrosion Resistant Marine Approved.
9. UL Listed for Marine Environments.

Metal Halide Benefits

1. Long lamp life.
2. High efficiency and low amp draw after initial startup.
3. High durability and reliability
4. High output and very good color rendering
5. Vibration and shock resistant
6. Low maintenance

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Frequently Asked Questions (FAQ)


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WCDE-7.5K-4X1000W-MLX



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Product ID: 106355

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
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- **HigResPic9**
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- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**