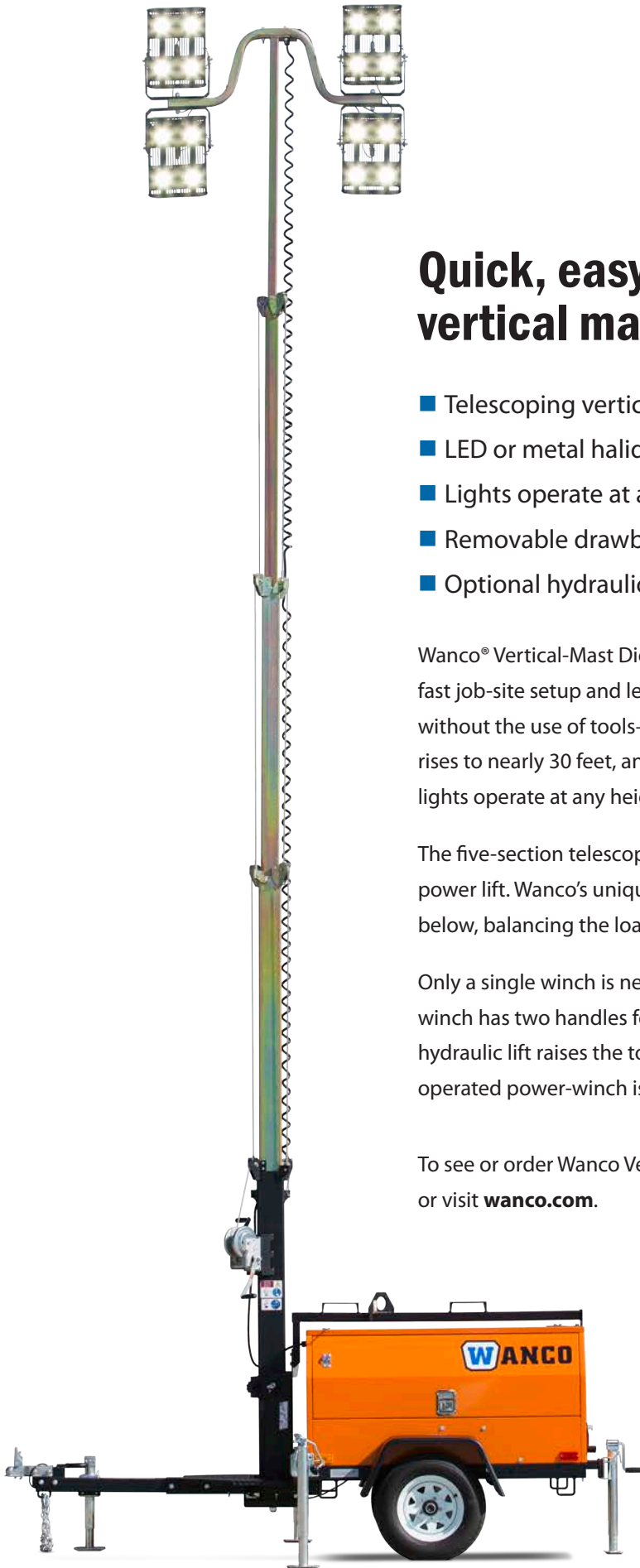


Vertical-Mast Diesel Light Towers





Quick, easy deployment with a vertical mast and single winch

- Telescoping vertical tower
- LED or metal halide lights
- Lights operate at any height
- Removable drawbar
- Optional hydraulic lift or power winch

Wanco® Vertical-Mast Diesel Light Towers deploy quickly and easily for fast job-site setup and less downtime. Lights can be aimed independently without the use of tools—and they stay in place once positioned. The tower rises to nearly 30 feet, and it rotates 358 degrees even while extended. The lights operate at any height.

The five-section telescoping tower extends upward using a manual winch or power lift. Wanco's unique dual-pulley system lifts each tower section from below, balancing the load and improving durability.

Only a single winch is needed for lifting the vertical tower. The standard winch has two handles for increased speed and ease of use. An optional hydraulic lift raises the tower faster and without effort, and an electrically operated power-winch is also available.

To see or order Wanco Vertical-Mast Diesel Light Towers, call **800.972.0755** or visit **wanco.com**.



Exceptional illumination

Wanco Light Towers use state-of-the-art technology to achieve the most effective illumination. A choice of high-output LEDs or metal halide lights provide the lighting you need.

Wanco's proprietary LED fixtures feature durable glass lenses for intense, focused directional lighting. These high-efficiency lights use less energy than conventional HID lamps while providing extremely bright illumination that challenges metal halide lighting. The result is more efficient use of light energy, much lower power consumption and longer run times.

Wanco's metal halide fixtures feature high-intensity parabolic reflectors that increase illumination and create a uniform, distributed light pattern across the job site, exceeding government regulations for worksite illumination. The result is exceptional visibility and improved worker safety.

Robust power system

Every Wanco Light Tower is equipped with a rugged, low-RPM, Tier 4 Final diesel engine paired with a high-quality four-pole generator. The engine features a glow-plug preheat system for increased service life and improved cold-weather starting.

The power system has a 30-gallon fuel tank that yields extended run times up to 100 hours with LED lights, reducing refueling and lowering overall maintenance costs. An automatic shutdown system protects the engine from damage due to low oil pressure and high coolant temperature.

Features

- Telescoping tower deploys with a single winch
- Tower rotates 358 degrees, even while lights are raised
- Rotating tower reduces the need to frequently move the trailer
- Lights can be individually aimed without tools
- Lights operate at any height
- Tier 4 Final diesel engine includes glow-plug preheat system
- Two outriggers and four leveling jacks provide stability
- Removable drawbar creates a smaller footprint
- Vertical tower saves space during transport, allowing more units to fit on a truck
- Vertical tower and removable drawbar allow for efficient storage
- Lockable, weather-resistant, steel cabinet protects engine and electrical components from the elements
- Gull-wing side doors provide access to engine, generator and electrical components
- Control panel includes elapsed hour meter, convenience outlet for powering external equipment and circuit breakers for on/off functionality and protection

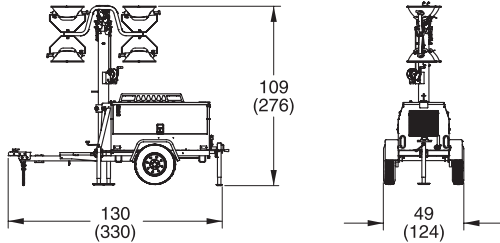


Specifications

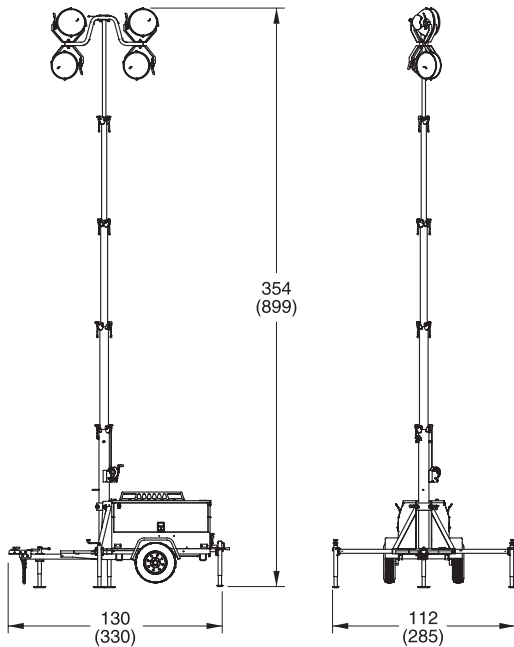
Dimensions

inches
(cm)

Travel position



Deployed



Weight

Operating weight	Approx. 1990 lb (903 kg)
Shipping weight	Approx. 1740 lb (780 kg)
Tongue weight, LEDs	Approx. 145 lb (66 kg)
Tongue weight, metal halide	Approx. 130 lb (59 kg)

Construction

Trailer	MIG-welded structural steel, unibody-style
Finish	Oven-baked powder coating
Tow hitch	Combo-hitch for 2-inch ball or 3-inch pintle hook
Tires	ST175/80D13

Lights

LEDs

Lamps	Four LED fixtures
Wattage	480 W per fixture 1920 W total
Illumination	57,000 lm per fixture, continuous intensity 228,000 lm total, continuous intensity
Fixtures	Heavy-duty housing with glass lenses and integral heat sink

Metal halide

Lamps	Four metal halide lamps
Wattage	1000 W per fixture 4000 W total
Illumination	110,000 lm per lamp, initial intensity 440,000 lm total, initial intensity
Fixtures	Elliptical housing with glass cover

Output power

Output	6 kW or 8 kW*
AC voltage	120 V or 240 V*
Current	50 A @ 120 V 25 A @ 240 V
Frequency	60 Hz or 50 Hz*
Voltage regulation	±5% or ±6%*; no load to full load

Power system

Engine type	Tier 4 Final diesel, liquid-cooled, 3-cylinder, 4-cycle
Engine model	Standard Kubota D1005 or D1105 Optional Kohler, Perkins and Mitsubishi
Engine speed	60 Hz models 1800 rpm 50 Hz models 1500 rpm
Generator type	Brushless
Generator insulation	H
Battery	12 Vdc, 550 CCA
Maximum power output	12.1 or 13.6 hp (9 or 10 kW)
Displacement	56 or 68 in ³ (916 or 1123 cm ³)*
Sound level, max. load	71 dBA @ 23 ft (7 m)
Fuel tank capacity	30 gal (114 L)
Run time, LEDs	Up to 100 hours before refueling
Run time, metal halide	60 to 70 hours before refueling
Fuel consumption, LEDs	0.29 gal/hr (1.05 L/h)
Fuel consumption, MH	0.44 gal/hr (1.67 L/h)

*Depending on model



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See our complete lines of diesel and solar light towers at wanco.com.

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