

# Vertical-Mast Light Towers

## LED/Metal Halide/LED Balloon



# Quick deployment with a vertical mast and single winch

- Telescoping vertical tower deploys with a single winch
- High-output LED or metal halide lights
- Multiple low-speed engine options
- Heavy gauge all-steel body
- Power winch and hydraulic lift are available



Wanco Vertical-Mast Light Towers deploy quickly with a single winch or hydraulic lift to raise the 30-foot mast. The mast remains vertical for transport and storage, saving space and allowing more units to fit on a truck.

For fast job-site setup and less downtime, each light fixture can be aimed independently without the use of tools—and the lights stay in place once positioned. Choose either LED or metal halide lights when specifying your light tower. Balloon lights are also available. Wanco's proprietary LED fixtures are the brightest available on a portable light tower. Wanco's metal halide fixtures feature high-intensity parabolic reflectors that increase illumination.

The telescoping tower rotates nearly 360 degrees while fully extended or lowered, and the lights operate at any height, eliminating the need to move the trailer frequently. 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. Wanco's unique dual-pulley system lifts each tower section from below, balancing the load and improving durability. For job site safety, two outriggers add stability when the tower is extended.

A choice of industrial diesel engines and four-pole generators ensure reliable performance. The high-efficiency engine and 30-gallon fuel tank provide extended run times between refuelings—up to 120 hours with Wanco's exclusive LED light fixtures. Performance enhancing options include an automated dusk-to-dawn start/stop system and a cold-weather start package.

To see or order the Wanco Vertical Light Towers, call **800.972.0755** or visit [wanco.com](http://wanco.com).

## Brief specifications

### Physical

Deployed footprint	130 × 112 in. (330 × 285cm), L × W	
Operating height	Max. 30 ft (9.14m) Min. 9 ft (2.77m)	
Travel height	109 in (276cm)	
Weight	Operating	Approx. 1990 lb (903kg)
	Shipping	Approx. 1740 lb (780kg)

### Lights

	480-watt LEDs	350-watt LEDs	Metal halides
Lamps*	Four 480W fixtures	Four 350W fixtures	Four 1000W lamps
Luminosity**	57,800 lm per fixture 231,200 lm total	49,000 lm per fixture 196,000 lm total	110,000 lm per lamp 440,000 lm total

### Power system

Engine type	Tier 4 Final diesel, 3-cylinder, 4-cycle		
Engine speed*	1800 rpm @ 60 Hz or 1500 rpm @ 50 Hz		
Generator type	Brushless, class H		
Sound level	71 dB @ 23 ft (7m) at max. load		
Battery	12Vdc, 550CCA		
	<b>Kubota® D1005</b>	<b>Mitsubishi® L3E</b>	<b>Kohler® KD1003</b>
Maximum power output*	13.1 hp (9.8 kW)	12.2 hp (9.1 kW)	12.4 hp (9.1 kW)
Displacement*	61.08 in <sup>3</sup> (1001cm <sup>3</sup> )	58.09 in <sup>3</sup> (952cm <sup>3</sup> )	62.7 in <sup>3</sup> (1028cm <sup>3</sup> )
Fuel tank capacity	30 gal (114L)	30 gal (114L)	30 gal (114L)
	<b>480-watt LEDs</b>	<b>350-watt LEDs</b>	<b>Metal halides</b>
Fuel consumption*	0.31 gal/hr (1.17L/h)	0.25 gal/hr (0.096L/h)	0.49 gal/hr (1.86L/h)
Runtime before refueling*	Approx. 97 hrs	Approx. 120 hrs	Approx. 62 hrs
	<b>Output power</b>		
Output*	6 kW or 8 kW		
Voltage*	120Vac or 240Vac		
Amperage	50 A @ 120V, 25 A @ 240V		
Frequency*	60 Hz or 50 Hz		
Voltage regulation	±6%, no load to full load		

\*Depending on model \*\*Continuous intensity for LEDs, initial intensity for metal halides



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