

# Wanco® Long-Run™ Diesel Light Towers



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[www.wanco.com](http://www.wanco.com)



- Brighter than a metal halide light tower
- Less than a third of the operating cost
- 225 hours on a single tank of fuel
- Quiet operation — softer than a phone's dial tone
- "Instant on" and full brightness right away



## This is the light tower you always wanted

The concept behind Wanco's new light tower was simple:

Make it brighter. Use less fuel. Save big!

Wanco® Long-Run™ Light Towers are brighter than a typical metal halide light tower, but they use far less power. Add a large fuel tank and an engine that is sized for the load, and you get extremely long run times with far fewer refuellings.

You can see the savings add up. Contact your Wanco representative to see how much.



# Superb functionality, unique features, versatility and dependability

## LED lights

LED technology effectively replaces outdated HID flood lights. By design, LEDs have a more controlled, highly directional light distribution, focusing light rather than sending it in all directions. The result is more efficient use of light energy and much lower power consumption. Wanco Long-Run Light Towers optimize the benefits of LED technology for brilliant illumination and extraordinary fuel savings.

## Tower

The telescoping tower assembly is compact when stored, yet rises to 30 feet when deployed. Two winches raise and extend the mast easily. Power- and hand-operated winches are available. In the upright position, the light tower mast rotates 360 degrees, and each light can be aimed individually. The lights can operate at any height.

## Power system

The power system features a rugged Tier 4 diesel engine and high-quality two-pole generator. An extra-large fuel tank provides extended run times of up to 225 hours between refuellings. An electric fuel gauge provides an instant read of fuel level, and is lighted for easy viewing at night.

## Eco-friendly

Exceptional power efficiency and fuel savings create a smaller carbon footprint than other light towers. Low fuel consumption not only lengthens run times, it greatly reduces refueling and maintenance costs. Additionally, built-in fluid containment protects against ground contamination from leaks, spills and drips.

## Serviceability

Wanco created a unique innovation that greatly improves serviceability. For complete access to the engine, generator and electrical components, Long-Run Light Towers feature a hinged top panel that rises with the mast when maintenance is required. No other light tower makes engine access this easy. Gull-wing side doors may be opened while the maintenance panel is raised, further enhancing access.

## Adaptability

Wanco Long-Run Light Towers can be enhanced for specific applications with a wide selection of options: a flashing beacon indicates low fuel and activation of the fluid containment system; an electric fan with sensor-controlled operation keeps the engine running in extreme temperatures; automatic engine controls provide autonomous operation for remote locations; and many more options are available to suit your application.

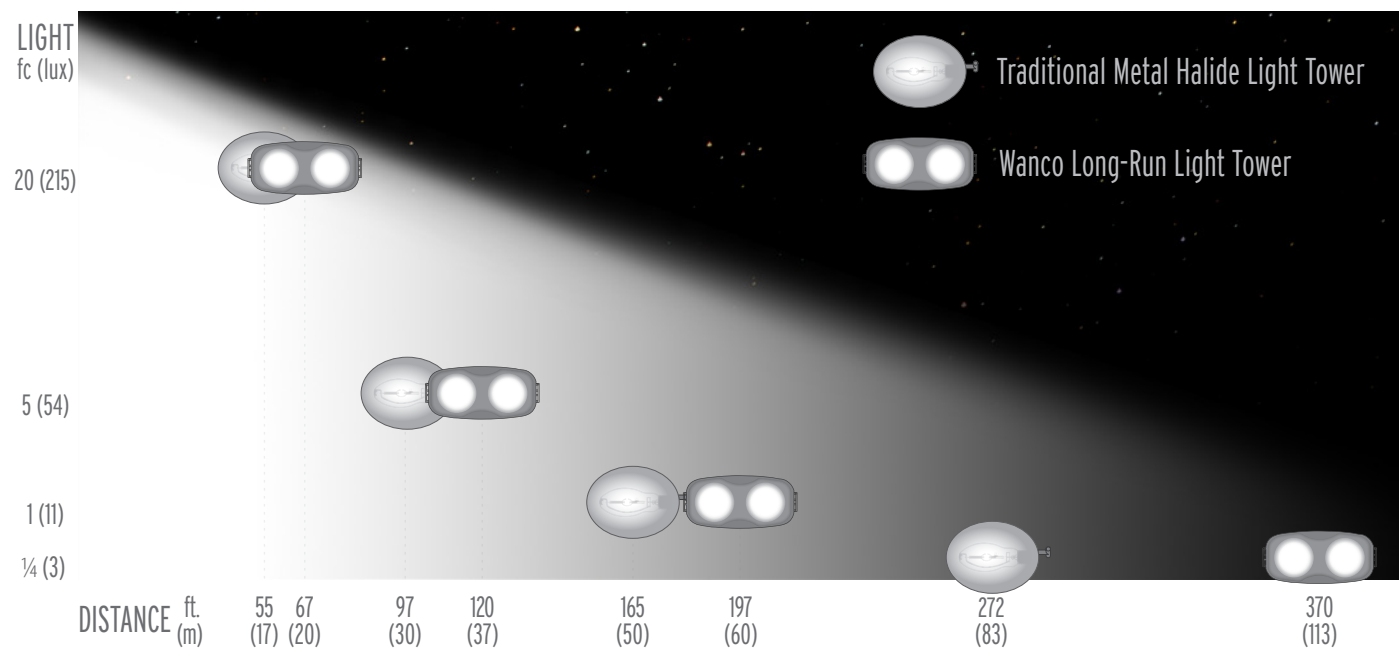


Travel position

# High-efficiency LED lights are brighter and last longer

- Four lights provide about 200,000 lumens, brighter than a metal halide light tower
- 6500K color temperature emulates daylight, provides more realistic (less artificial-looking) illumination and is easier on the eyes
- Instant-on and immediate full intensity, no warm-up or cool-down, never any waiting
- 50,000-hour LED lifespan reduces maintenance, never replace a light bulb
- Industrial-grade fixtures are heavy-duty, rugged and extremely durable

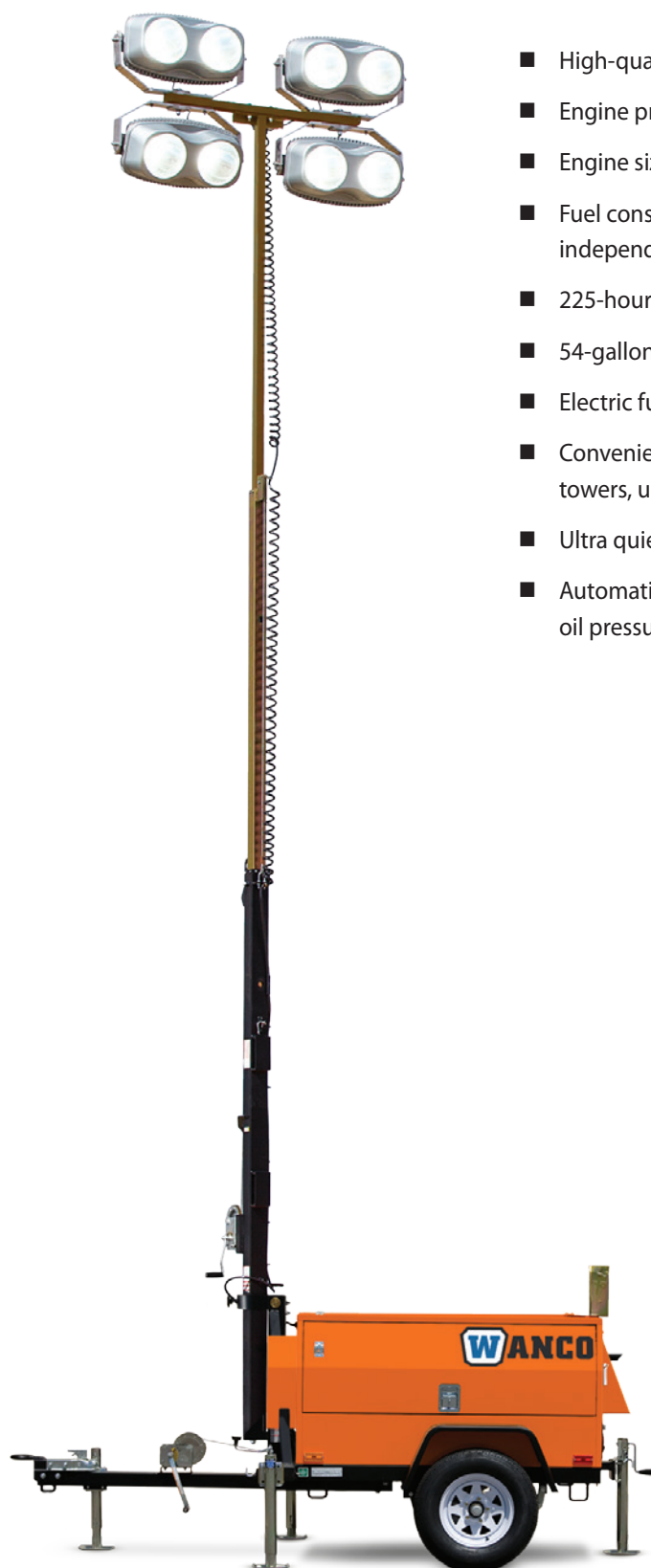
## How bright is your light tower?



## How long will your lights last?



# The Long-Run power system is truly revolutionary



- High-quality Perkins® industrial diesel engine, 3-cylinder, water-cooled
- Engine properly sized for smaller-wattage load of high-efficiency LED lights
- Engine size prevents wet stacking, ensuring higher efficiency and no waste
- Fuel consumption measured at just 0.24 gallons (0.9 liters) per hour based on independent testing (other light towers use about a half gallon or more)
- 225-hour run time before refueling
- 54-gallon (204-liter) steel fuel tank has extra-large filler neck
- Electric fuel gauge includes a light for nighttime viewing
- Convenience outlet provides more power output than conventional light towers, up to 2400 watts
- Ultra quiet — just 58 dBA at 30 feet, 68 dBA at 18 inches
- Automatic engine-shutdown system protects engine from damage due to low oil pressure and high coolant temperature



Control panel



# Loaded with unique features for outstanding performance

## Standard features

- Control panel includes elapsed hour meter and circuit breakers for lights and main power
- Convenience outlet for auxiliary equipment has a dedicated circuit breaker
- Fully enclosed equipment bay protects controls, engine and other components from the elements and unauthorized access
- Integral spill containment holds 110% of engine fluids, is eco-friendly and eliminates the need for a “duck pond”
- Compact design is easily maneuverable during transport and takes up less space when stored
- Fixture-stabilizing transport straps provide built-in protection for lights
- Torsion axle for smoother ride, reduces stresses on light tower components
- Hinged maintenance panel provides unimpeded access to engine, generator and electrical components



Engine access with maintenance panel raised

## Options

- Warning beacon flashes when fuel is low and when a fluid containment alarm is triggered
- Dual electric winches make deployment even easier
- Auto-start/stop system turns the light tower on at dusk and off at dawn (see below)
- Cold-weather start package includes oil pan and block heater, as well as a built-in GFI junction box
- Sound attenuation reduces ambient noise level
- Emergency shutdown options include manual E-stop button and automatic air-shutoff valve
- Oversized forklift channels installed under frame, all-welded construction
- Off-road trailer package features a wide-stance torsion axle and 15-inch tires to improve mobility on rough terrain



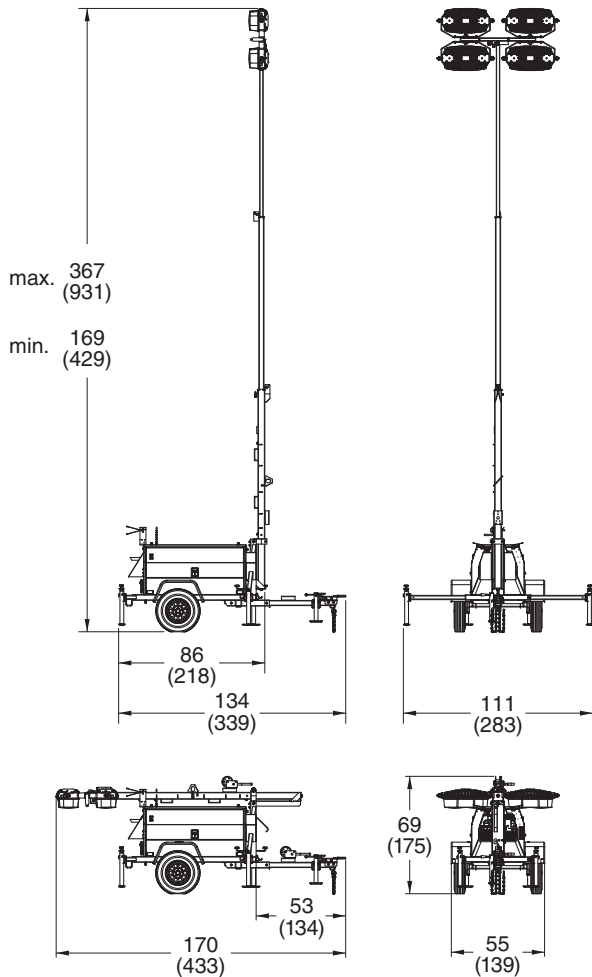
Optional auto-start/stop control panel

The optional auto-start/stop system uses a photocell sensor to detect daylight and automatically starts and stops the engine. The controller monitors the system, including fuel level and engine run time, and displays information on a large backlit LED screen. The auto-start/stop system saves a tremendous number of man-hours and fuel by operating the light tower without intervention.

# Specifications

## Physical

Dimensions in *inches*  
(*cm*)



Operating weight	2165 lbs. (982kg)
Shipping weight	1780 lbs. (807kg)
Tires	ST175/80D13
Tow hitch	Combo-type for 2-inch ball and 3-inch pintle hook

## Lights

Lamps	Four LED fixtures
Wattage	400 watts per fixture
Luminosity	50,000 lumens per fixture 200,000 lumens total

## Output power

Generator type	Brushless
Generator insulation	H
Output	4.0 kW
Voltage	120 / 240 Vac
Amperage	16 A @ 240 Vac
Frequency	60 Hz or 50 Hz, depending on model
Voltage regulation	< 6%, no load to full load

## Power system

Engine type	Tier 4 diesel, 3-cylinder, 4-cycle
Battery	12 Vdc, 390 CCA
Maximum power output	8.8 hp (6.56 kW)
Displacement	46.4 cu. in. (760cm <sup>3</sup> or 761ml)
Sound level at maximum load	58 dB at 30 feet (9.1m)
Fuel tank capacity	54 gal. (204L)
Fuel consumption	0.24 gal./hr. (0.91L/h)
Runtime before refueling	225 hrs.

## Functional

Steel enclosure protects components from the elements. Enclosure is powder-coated, lockable, and weather-resistant.

Two telescoping outriggers and five leveling jacks provide stability.

Control panel features 120-volt GFCI receptacle for powering external equipment, and circuit breakers for on/off functionality and protection.

Diesel engine includes electric fuel pump for a steady supply of fuel, and glow-plug preheat system for increased service life and improved cold-weather starting.

Optional photocell-triggered auto-start/stop system automatically starts engine at dusk and stops engine at dawn.

Automatic engine-shutdown system protects engine from damage due to low oil pressure and high coolant temperature.

Two gull-wing doors with latches and locking handles provide access to controls, fuel tank, engine and electronics.

For maintenance, hinged top panel provides unimpeded access to engine, generator and electrical components.

Snow hoods protect air vents against moisture and debris infiltration.

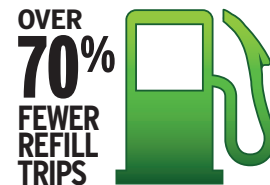
Integrated fluid containment pan prevents ground contamination if leaks and spills occur.

# Save thousands per year



## 12-month fuel cost\*

Genie® Terex™ RL™ 4	\$6,930
Magnum™ MLT3060	\$6,514
Wacker Neuson® LTN 6L	\$6,237
Wanco® WLTC	\$6,098
Wanco® Long-Run™	\$3,326



## Run time per tank of fuel\*\*



Genie Terex RL 4	60 hours
Magnum MLT3060	64 hours
Wanco WLTC	68 hours
Wacker Neuson LTN 6L	72 hours
Wanco Long-Run	225 hours†

## Calculate your savings

Use our online calculator to see how much you will save with a Long-Run Light Tower compared with your light tower. Contact your Wanco representative for a detailed analysis.



*Totals calculated using manufacturer specifications. \*Based on average diesel fuel cost of \$3.85 per gallon (typical, per AAA & US EIA) and average runtime of 12 hours per day, 25 days per month. \*\*Actual run times will be shorter because engine loads result in fuel consumption that is greater than specifications indicate. †Actual value based on independent testing.*

*Due to Wanco's commitment to continuous improvement of our products, all information is subject to change without notice. Wanco and the Wanco logo are registered trademarks and Long-Run is a trademark of Wanco Inc. All other trademarks are property of their respective owners. Patents pending.*



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