Wanco® Long-Run™ Diesel Light Towers
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LED technology effectively replaces outdated HID flood lights.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. Wancho 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.
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
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

**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

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)

| Max. | 367 (931) |
| Min. | 169 (429) |

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$^3$ 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*

<table>
<thead>
<tr>
<th>Light Tower</th>
<th>Fuel Cost</th>
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<tbody>
<tr>
<td>Genie Terex™ RL™ 4</td>
<td>$6,930</td>
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<tr>
<td>Magnum™ MLT3060</td>
<td>$6,514</td>
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<tr>
<td>Wacker Neuson® LTN 6L</td>
<td>$6,237</td>
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<tr>
<td>Wanco® WLTC</td>
<td>$6,098</td>
</tr>
<tr>
<td>Wanco® Long-Run™</td>
<td>$3,326</td>
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Run time per tank of fuel**

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<tr>
<th>Light Tower</th>
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<tbody>
<tr>
<td>Genie Terex RL 4</td>
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<tr>
<td>Magnum MLT3060</td>
<td>64 hours</td>
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<tr>
<td>Wanco WLTC</td>
<td>68 hours</td>
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<tr>
<td>Wacker Neuson LTN 6L</td>
<td>72 hours</td>
</tr>
<tr>
<td>Wanco Long-Run</td>
<td>225 hours</td>
</tr>
</tbody>
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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.

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